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THE WORLD OF LEARNING

1978-79

THE WORLD OF LEARNING 1978-79

VOLUME TWO: RHODESIA-ZAMBIA INDEX

TWENTY-NINTH EDITION

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FOREWORD

THE 29th edition of THE WORLD OF LEARNING contains new material throughout the book, particularly in the field of librarianship; the section on libraries in the U.S.S.R. has been completely revised and enlarged, and many more library associations have been included. There are details of several new universities, and entries for the institutions of higher education reopened in China.

We have once again tried to ensure that we include the latest possible information concerning entries in THE WORLD OF LEARNING. Every year a folder containing the previous year's proof is sent to each entry; continuous research in the world press and educational journals, as well as contact with official sources all over the world, supplements this method of revision. We welcome information and suggestions from users of the book, concerning either existing entries or possible new material.

We are always grateful to those individuals and organizations who help us to bring our information up to date with their prompt replies. We particularly emphasize the necessity for revised entries to be returned to us without delay, since important material may otherwise be held over until a later edition. Only by maintaining a strict timetable can the regular production of such a large work as THE WORLD OF LEARNING be assured.

November 1978

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ABBREVIATIONS

A.A.	Associate in Arts
A.A.S.A.	Associate of Australian Society of Accountants
A.A.U.Q.	Associate in Accountancy, University of Queensland
A·B.	Bachelor of Arts
A.B.S.M.	Associate of the Bendigo School of Mines
A.C.A.	Associate of the Institute of Chartered Accountants
Acad.	Academy; Academician
A.C.I.I.	Associate of the Chartered Insurance Institute
A.C.I.S.	Associate of the Chartered Institute of Secretaries
A.C.T.	Australian Capital Territory
Admin.	Administrative, Administration
Agr. de D.	Agrégé de Droit
Agr. de M.	Agrégé de Médecine
Agr. de Sc.	Agrégé de Science
Agr. des L.	Agrégé des Lettres
A.I.A.	Associate of the Institute of Actuaries; American Institute of Architects
A.I.B.	Associate of the Institute of Bankers
A.I.C.E.	Associate of the Institution of Civil Engineers
A.I.C.E.A.	Association of Industrial and Commercial Executive Accountants
A.I.Ch.E.	American Institute of Chemical Engineers
A.I.C.T.A.	Associate of the Imperial College of Tropical Agriculture
A.I.I.S.	Associate of the Irish Institute of Secretaries
A.I.L.	Associate of the Institute of Linguists
A.I.M.	Associate of the Institution of Metallurgists
A.I.M.T.A.	Associate of the Institute of Municipal Treasurers and Accountants
A.Inst.C.E.	Associate of the Institution of Civil Engineers
A.I.R.I.	Associate of the Institution of the Rubber Industry
A.K.C.	Associate of King's College (London)
A.L.A.	Associate of the Library Association
Ala.	Alabama
A.L.S.	Associate of the Linnaean Society
A.M.	Master of Arts
A.M.A.	Associate of the Museums Association
A.M.I.C.E.	Associate Member of the Institution of Civil Engineers
A.M.I.E.E.	Associate Member of the Institution of Electrical Engineers
A.M.I.E.R.E.	Associate Member of the Institute of Electronic and Radio Engineers
A.M.I.Mech.E.	Associate Member of the Institution of Mechanical Engineers
A.M.I.Struct.E.	Associate Member of the Institution of Structural Engineers
A.M.T.P.I.	Associate of Town Planning Institute
A.O.	Order of Australia
A.P.	Andhra Pradesh
Apdo.	Apartado (Post Office Box)
A.P.I.	Associate of the Plastics Institute
A.R.A.	Associate of the Royal Academy
A.R.A.M.	Associate of the Royal Academy of Music
A.R.C.A.	Associate of the Royal College of Art
A.R.C.M.	Associate of the Royal College of Music
A.R.C.O.	Associate of the Royal College of Organists
A.R.C.S.	Associate of the Royal College of Science
A.R.E.	Associate of the Royal Society of Painter Etchers
A.R.I.B.A.	Associate of the Royal Institute of British Architects
A.R.I.C.S.	Associate of the Royal Institution of Chartered Surveyors
Ariz.	Arizona
Ark.	Arkansas
A.R.S.A.	Associate of the Royal Scottish Academy; Associate of the Royal Society of Arts
A.R.W.S.	Associate of the Royal Society of Painters in Water Colours
A.S.C.E.	American Society of Civil Engineers
A.S.M.E.	American Society of Mechanical Engineers
Asscn.	Association
Assoc.	Associate
Asst.	Assistant
A.S.T.C.	Associate of the Sydney Technical College
Atty.	Attorney
A.T.I.	Associate of the Textile Institute
Avv.	Avvocato (Italian)
B.A.	Bachelor of Arts
B.Agr.	Bachelor of Agriculture
B.A.(Ed.)	Bachelor of Arts in Education
B.A.O.	Bachelor of Obstetrics
Bar.-at-Law	Barrister-at-Law
B.Arch.	Bachelor of Architecture
B.A.S.	Bachelor in Agricultural Science
B.A.Sc.	Bachelor of Applied Science
B.B.A.	Bachelor of Business Administration
B.C.E.	Bachelor of Civil Engineering
B.Ch.,B.Chir.	Bachelor of Surgery
B.Chem.E.	Bachelor of Chemical Engineering
B.C.L.	Bachelor of Civil Law; Bachelor of Canon Law
B.Com(m).	Bachelor of Commerce
B.C.S. (and B.Com.Sc.)	Bachelor of Commercial Sciences
B.D.	Bachelor of Divinity
B.D.S.	Bachelor of Dental Surgery
B.E.	Bachelor of Engineering; Bachelor of Education
B.Ec.	Bachelor of Economics
B.Ed.	Bachelor of Education
B.E.E.	Bachelor of Electrical Engineering
B.Eng.	Bachelor of Engineering
B.Eng.A.	Bachelor of Agricultural Engineering
B.E.Sc.	Bachelor of Engineering Science
B.F.A.	Bachelor of Fine Arts
B.F(or).	Bachelor of Forestry
B.I.D.	Bachelor of Industrial Design
B.Lit(t).	Bachelor of Letters
B.LL.	Bachelor of Laws
B.L.S.	Bachelor of Library Science
Blvd.	Boulevard
B.M.	Bachelor of Medicine
B.M.A.	British Medical Association
B.M.E.	Bachelor of Mining Engineering
B.Mus.	Bachelor of Music
B.N.	Bachelor of Nursing

B.Paed. (or Pd.)	Bachelor of Pedagogy
B.P.E.	Bachelor of Physical Education
B.Phar.	Baccalauréat en Pharmacie
B.Pharm.	Bachelor of Pharmacy
B.Phil.	Bachelor of Philosophy
Br.	Branch
Bro.	Brother
B.S.	Bachelor of Science; Bachelor of Surgery
B.S.A.	Bachelor of Scientific Agriculture
B.Sc.	Bachelor of Science
B.Sc.Agr.	Bachelor of Science in Agriculture
B.Sc.C.E.	Bachelor of Science in Civil Engineering
B.S.C.	Bachelor of Science in Commerce
B.Sc.Com.	Bachelor of Commercial Science
B.Sc.(Econ.)	Bachelor of Science in Economics
B.Sc.(Eng.)	Bachelor of Science in Engineering
B.Sc.F.	Bachelor of Science in Forestry
B.S. in H.E.	Bachelor of Science in Home Economics
B.Sc.(M.E.)	Bachelor of Science in Mechanical Engineering
B.Sc.Met.	Bachelor of Science in Metallurgy
B.Sc.Pharm.	Bachelor of Science in Pharmacy
B.S.D.	Bachelor of Didactic Science; Bachelor of Science in Dentistry
Bt.	Baronet
B.Theol.	Bachelor of Theology
c.	circa (approximately)
C.A.	Chartered Accountant
Calif.	California
Cantab.	Of Cambridge University
C.B.	Companion of the Order of the Bath
C.B.E.	Commander of the Order of the British Empire
C.C.	Companion of the Order of Canada
C.Chem.	Chartered Chemist
C.E.	Civil Engineer
CEA	Commissariat à l'Energie Atomique
C.Eng.	Chartered Engineer
C.G.A.	Certified General Accountant
C.G.I.A.	City and Guilds Insignia Award
C.H.	Companion of Honour
Chair.	Chairman
Ch.B.	Bachelor of Surgery
Ch.M.	Master of Surgery
C.I.E.	Companion of the Order of the Indian Empire
C.I.E.E.	Companion of the Institution of Electrical Engineers
C.J.	Compagnie de Jésus
C.M.	Master in Surgery
C.M.G.	Companion of the Order of St. Michael and St. George
C.N.A.A.	Council for National Academic Awards
CNRS	Centre National de la Recherche Scientifique
Co.	Company; County
Colo.	Colorado
Comm.	Commission
Commdr.	Commander
Commr.	Commissioner
Comp. T.I.	Companion of the Textile Institute
Conf.	Conference
Conn.	Connecticut
Corpn.	Corporation
Corresp.	Correspondent, Corresponding
C.P.A.	Certified Public Accountant; Chartered Patent Agent
C.P.H.	Certificate of Public Health
C.S.I.	Companion of the Order of the Star of India
CSIRO	Commonwealth Scientific and Industrial Research Organization

C.S.S.F.	Confédération des Sociétés Scientifiques Françaises
C.St.J.	Commander of the Order of St. John of Jerusalem
Cttee.	Committee
C.V.O.	Commander of the Royal Victorian Order
D.Agr.	Doctor of Agriculture
D.Arch.	Doctor of Architecture
D.B.	Bachelor of Divinity
D.B.A.	Doctor of Business Administration
D.B.E.	Dame Commander of the Order of the British Empire
D.C.	District of Columbia
D.C.L.	Doctor of Civil Law
D.C.M.	Distinguished Conduct Medal
D.Cn.L.	Doctor of Canon Law
D.C.S.	Doctor of Commercial Science
D.C.T.	Doctor of Christian Theology
D.D.	Doctor of Divinity
D.D.C.	Doctorat en droit canonique
D. de l'U.	Docteur de l'Université
D.D.S.	Doctor of Dental Surgery
D.Econ.	Doctor of Economics
D.Ed.	Doctor of Education
Del.	Delegate, delegation; Delaware
D. en D.	Docteur en Droit
D.Eng.	Doctor of Engineering
Dept.	Department
D. ès L.	Docteur ès lettres
D. ès Sc.	Docteur ès sciences
D.F.	Doctor of Forestry
D.F.A.	Doctor of Fine Arts
D.F.C.	Distinguished Flying Cross
D.H.L.	Doctor of Hebrew Literature
D.Hy.	Doctor of Hygiene
Dir.	Director
D. Iur. Utr.	Doctor of both Civil and Canon Law
Div.	Division
D.L.	Doctor of Laws
D.Lett.	Doctorat ès lettres
D.Lit(t).	Doctor of Letters; Doctor of Literature
D.Litt.S.	Doctor of Sacred Letters
D.L.S.	Doctor of Library Science
D.M.	Doctor of Medicine
D.M.A.	Doctor of Musical Arts
D.Math.Sc.	Doctor of Mathematical Science
D.Math.Stats.	Doctor of Mathematical Statistics
D.M.D.	Doctor of Medical Dentistry
D.Met.	Doctor of Metallurgy
D.Mus.	Doctor of Music
D.Oph.	Doctor of Ophthalmology
Dott.	Dottore (Italian)
Dott.L.	Dottore in Lettere
D.Paed.	Doctor of Paediatrics
D.Phil.	Doctor of Philosophy
D.Phil.Nat.	Doctor of Natural Philosophy
Dr. Ing.	Doctor of Engineering
Dr. Jur.	Doctor of Laws
Dr. Med.	Doctor of Medicine
Dr.Med.Dent.	Doctor of Dentistry
Dr.Med.Vet.	Doctor of Veterinary Medicine
Dr. Oec.	Doctor of Commerce
Dr. Phar.	Doctor of Pharmacy
Dr.rer.Hort.	Doctor of Horticulture
Dr.rer.Nat.	Doctor of Natural Science
Dr.rer.Pol.	Doctor of Political Science
Dr. Theol.	Doctor of Theology
Drs.	Doctorandus (term used in The Netherlands to denote a doctor's degree)
D.S.A.	Doctor of Scientific Agriculture
D.S.C.	Distinguished Service Cross
D.Sc.	Doctor of Science
D.Sc.A.	Doctor of Applied Science
D.Sc.Agr.	Doctor of Science in Agriculture

D.Sc.Pol.	Doctor of Political Sciences
D.Soc.Sc.	Doctor of Social Sciences
D.S.I.R.	Department of Scientific and Industrial Research
D.S.M.	Distinguished Service Medal
D.S.O.	Distinguished Service Order
D.S.T.	Doctor of Sacred Theology
D.S.W.	Doctor of Social Work
D.Tech.	Doctor in Technology
D.Theol.	Doctor of Theology
D.T.M.& H.	Diploma in Tropical Medicine and Hygiene
D.U.(P.)	Docteur de l'Université (de Paris)
D.V.M.	Doctor of Veterinary Medicine
D.V.S. (Sc.)	Doctor of Veterinary Science
ECOSOC	Economic and Social Council (UN)
ECSC	European Coal and Steel Community
EEC	European Economic Community
ESCAP	Economic and Social Commission for Asia and the Pacific
E.D.	Doctor of Engineering (U.S.A.)
Ed.B.	Bachelor of Education
Ed.D.	Doctor of Education
Edn.	Edition
Ed.M.	Master of Education
E.E.	Doctor of Electrical Engineering
Est.	Established
E.T.H.	Eidgenössische Technische Hochschule
Exec.	Executive
f.	founded
F.A.A.	Fellow of the Australian Academy of Science
F.A.A.A.S.	Fellow of the American Association for the Advancement of Science
F.A.C.C.A.	Fellow of the Association of Certified and Corporate Accountants
F.A.C.D.	Fellow of the American College of Dentistry
F.A.C.D.S.	Fellow of the Australian College of Dental Surgeons
F.A.C.M.A.	Fellow of the Australian College of Medical Administrators
F.A.C.P.	Fellow of American College of Physicians
F.A.C.S.	Fellow of the American College of Surgeons
F.A.H.A.	Fellow of the Australian Academy of the Humanities
F.A.I.	Fellow of the Chartered Auctioneers' and Estate Agents' Institute
F.A.I.A.	Fellow of the American Institute of Architects
F.A.I.A.S.	Fellow of the Australian Institute of Agricultural Sciences
F.A.I.M.	Fellow of the Australian Institute of Management
F.A.I.P.	Fellow of the Australian Institute of Physics
FAO	Food and Agriculture Organization
F.A.S.A.	Fellow of the Australian Society of Arts
F.A.S.E.	Fellow of the Antiquarian Society, Edinburgh
F.A.S.S.A.	Fellow of the Academy of the Social Sciences in Australia
F.B.A.	Fellow of the British Academy
F.B.A.A.	Fellow of the British Association of Accountants and Auditors
F.B.I.M.	Fellow of the British Institute of Management
F.B.Ps.S.	Fellow of the British Psychological Society
F.C.A.	Fellow of the Institute of Chartered Accountants
F.C.I.C.	Fellow of the Chemical Institute of Canada
F.C.I.I.	Fellow of the Chartered Insurance Institute
F.C.I.S.	Fellow of the Chartered Institute of Secretaries
F.C.I.T.	Fellow of the Chartered Institute of Transport
F.C.R.A.	Fellow of the College of Radiologists of Australasia
F.C.S.	Fellow of the Chemical Society
F.C.T.	Federal Capital Territory
F.C.W.A.	Fellow of the Chartered Institute of Cost and Works Accountants
F.D.S.R.C.S.	Fellow of the Royal College of Surgeons in Dental Surgery
F.E.	Fuels Engineer
Fed.	Federation, Federal
F.E.I.S.	Fellow of the Educational Institute of Scotland
F.F.A.R.C.S.	Fellow of the Faculty of Anaesthetics, Royal College of Surgeons
F.F.D.R.C.S.I.	Fellow of the Faculty of Dentistry, Royal College of Surgeons in Ireland
F.F.R.	Fellow of the Faculty of Radiologists
F.G.A.	Fellow of the Gemmological Association
F.G.S.	Fellow of the Geological Society
F.I.A.	Fellow of the Institute of Actuaries
F.I.A.L.	Fellow of the International Institute of Arts and Letters
F.I.B.	Fellow of the Institute of Bankers
F.I.Biol.	Fellow of the Institute of Biology
F.I.C.D.	Fellow of the Institute of Canadian Dentists
F.I.C.E.A.	Fellow of Industrial and Commercial Executive Accountants
F.I.C.S.	Fellow of the International College of Surgeons
F.I.E.Aust.	Fellow of the Institute of Engineers of Australia
F.I.E.R.E.	Fellow of the Institution of Electronic and Radio Engineers
F.I.I.S.	Fellow of the Irish Institute of Secretaries
F.I.L.	Fellow of the Institute of Linguists
Fil. Dr.	Doctor of Philology
F.I.Inf.Sc.	Fellow of the Institute of Information Scientists
F.I.M.	Fellow of the Institution of Metallurgists
F.I.Mech.E.	Fellow of the Institution of Mechanical Engineers
F.I.Min.E.	Fellow of the Institute of Mining Engineers
F.I.M.L.T.	Fellow of the Institute of Medical Laboratory Technology
F.Inst.F.	Fellow of the Institute of Fuel
F.Inst.P.	Fellow of the Institute of Physics
F.Inst.Pet.	Fellow of the Institute of Petroleum
F.I.R.E.	Fellow of the Institution of Radio Engineers
F.I.R.E.E.	Fellow of the Institution of Radio and Electronics Engineers (Australia)
F.I.R.I.	Fellow of the Institution of the Rubber Industry (*see* also F.P.R.I.)
F.J.I.	Fellow of the Institute of Journalists
F.K.C.	Fellow of King's College (London)
Fla.	Florida
F.L.A.	Fellow of the Library Association
F.L.A.A.	Fellow of the Library Association of Australia
F.L.S.	Fellow of the Linnaean Society
F.M.A.	Fellow of the Museums Association
F.N.A.	Fellow of the National Academy of Sciences (India)
F.N.Z.I.C.	Fellow of the New Zealand Institute of Chemists
F.Ph.S.	Fellow of the Philosophical Society of England
F.Phys.S.	Fellow of the Physical Society
F.P.I.	Fellow of the Plastics Institute (*see* also F.P.R.I.)

F.P.R.I.	Fellow of the Plastics and Rubber Institute
F.R.A.C.I.	Fellow of the Royal Australian Chemical Institute
F.R.A.C.P.	Fellow of the Royal Australasian College of Physicians
F.R.A.C.S.	Fellow of the Royal Australasian College of Surgeons
F.R.Ae.S.	Fellow of the Royal Aeronautical Society
F.R.A.H.S.	Fellow of the Royal Australian Historical Society
F.R.A.I.	Fellow of the Royal Anthropological Institute
F.R.A.I.A.	Fellow of the Royal Australian Institute of Architects
F.R.A.I.C.	Fellow of the Architectural Institute of Canada
F.R.A.M.	Fellow of the Royal Academy of Music
F.R.A.S.	Fellow of the Royal Astronomical Society; Fellow of the Royal Asiatic Society
F.R.B.S.	Fellow of the Royal Society of British Sculptors
F.R.C.M.	Fellow of the Royal College of Music
F.R.C.O.	Fellow of the Royal College of Organists
F.R.C.O.G.	Fellow of the Royal College of Obstetricians and Gynaecologists
F.R.C.P.A.	Fellow of the Royal College of Pathologists of Australia
F.R.C.P.(C.)	Fellow of the Royal College of Physicians of Canada
F.R.C.P.(E.)	Fellow of the Royal College of Physicians of Edinburgh
F.R.C.P.I.	Fellow of the Royal College of Physicians of Ireland
F.R.C.S.(C.)	Fellow of the Royal College of Surgeons of Canada
F.R.C.S.(E.)	Fellow of the Royal College of Surgeons of Edinburgh
F.R.C.V.S.	Fellow of the Royal College of Veterinary Surgeons
F.R.E.S.	Fellow of the Royal Entomological Society of London
F.R.Econ.S.	Fellow of the Royal Economic Society
F.R.G.S.	Fellow of the Royal Geographical Society
F.R.Hist.S.	Fellow of the Royal Historical Society
F.R.Hort.S.	Fellow of the Royal Horticultural Society
F.R.I.B.A.	Fellow of the Royal Institute of British Architects
F.R.I.C.	Fellow of the Royal Institute of Chemistry
F.R.I.C.S.	Fellow of the Royal Institution of Chartered Surveyors
F.R.I.Z.	Fellow of the Royal Institute of Zoologists
F.R.Met.Soc.	Fellow of the Royal Meteorological Society
F.R.S.	Fellow of the Royal Society
F.R.S.A.	Fellow of the Royal Society of Arts
F.R.San.I.	Fellow of the Royal Sanitary Institute
F.R.S.C.	Fellow of the Royal Society of Canada
F.R.S.E.	Fellow of the Royal Society of Edinburgh
F.R.S.G.S.	Fellow of the Royal Scottish Geographical Society
F.R.S.H.	Fellow of the Royal Society of Health
F.R.S.L.	Fellow of the Royal Society of Literature
F.R.S.S.	Fellow of the Royal Statistical Society
F.R.S.S.Af.	Fellow of the Royal Society of South Africa
F.R.S.T.M.	Fellow of the Royal Society of Tropical Medicine and Hygiene
F.S.A.	Fellow of the Society of Antiquaries
F.S.A.(Scot.)	Fellow of the Society of Antiquaries of Scotland
F.S.A.L.A.	Fellow of the South African Library Association
F.S.B.E.	Fellow of the Society for British Entomology
F.S.S.	Fellow of the Statistical Society
F.T.C.D.	Fellow of Trinity College, Dublin
F.T.C.L.	Fellow of Trinity College of Music, London
F.T.I.	Fellow of the Textile Institute
F.Z.S.	Fellow of the Zoological Society

Ga.	Georgia
G.B.E.	Knight (or Dame) Grand Cross of the Order of the British Empire
G.C.B.	Knight Grand Cross of the Order of the Bath
G.C.I.E.	Knight Grand Commander of the Indian Empire
G.C.M.G.	Knight Grand Cross of the Order of St. Michael and St. George
G.C.S.I.	Knight Grand Commander of the Star of India
G.C.V.O.	Knight Grand Cross of the Royal Victorian Order
Gen.	General
Gov.	Governor
Govt.	Government

h.c.	honoris causa
H.Q.	Headquarters
H.E.	His Eminence; His Excellency
H.M.	His (or Her) Majesty
H.M.S.O.	His (or Her) Majesty's Stationery Office
H.N.D.	Higher National Diploma
Hon.	Honourable; Honorary

Ia.	Iowa
IAEA	International Atomic Energy Agency
IAU	International Astronomical Union
IBE	International Bureau of Education
I.C.E.	Institute of Civil Engineers
ICPHS	International Council for Philosophy and Humanistic Studies
I.C.S.	Indian Civil Service
ICSU	International Council of Scientific Unions
Ida.	Idaho
IFAN	Institut Fondamental d'Afrique Noire
IGU	International Geographical Union
Ill.	Illinois
ILO	International Labour Organization
IMS	India Medical Service
IMU	International Mathematical Union
Inc.	Incorporated
Ind.	Indiana; Independent
I.N.R.A.	Institut National de la Recherche Agronomique
Int.	International
ISME	International Society for Music Education
I.S.O.	Companion of the Imperial Service Order
IUB	International Union of Biochemistry
IUBS	International Union of Biological Sciences
IUCr	International Union of Crystallography
IUGG	International Union of Geodesy and Geophysics
IUGS	International Union of Geological Sciences
IUHPS	International Union of the History and Philosophy of Science
IUIS	International Union of Immunological Societies
IUNS	International Union of Nutritional Sciences
IUPAB	International Union of Pure and Applied Biophysics
IUPAC	International Union of Pure and Applied Chemistry
IUPAP	International Union of Pure and Applied Physics
IUPHAR	International Union of Pharmacology
IUPS	International Union of Physiological Sciences
IUTAM	International Union of Theoretical and Applied Mechanics

J.C.B.	Juris Canonici Bachelor (Bachelor of Canon Law)
J.C.D.	Juris Canonici Doctor (Doctor of Canon Law)
J.C.L.	Juris Canonici Lector (Reader of Canon Law)
J.D.	Doctor of Jurisprudence
J.P.	Justice of the Peace
J.S.D.	Doctor of Juristic Science
J.U.D(r).	Juris utriusque Doctor (Doctor of both Civil and Canon Law)
Ju.D.	Doctor of Law
Kan.	Kansas
K.B.E.	Knight Commander of the Order of the British Empire
K.C.B.	Knight Commander of the Order of the Bath
K.C.I.E.	Knight Commander of the Order of the Indian Empire
K.C.M.G.	Knight Commander of the Order of St. Michael and St. George
K.C.S.I.	Knight Commander of the Star of India
K.C.V.O.	Knight Commander of the Royal Victorian Order
K.G.	Knight of the Order of the Garter
K.P.	Knight of the Order of St. Patrick
K.St.J.	Knight of the Order of St. John of Jerusalem
K.T.	Knight of the Order of the Thistle
Kt.	Knight
Ky.	Kentucky
La.	Louisiana
L.C.L.	Licentiate of Canon Law
L.D.S.	Licentiate in Dental Surgery
L. ès L.	Licencié ès lettres
L. ès Sc.	Licencié ès sciences
L.H.D.	Literarum Humaniorum Doctor (Doctor of Letters)
Lic. Droit et Sc. Pol.	Licencié en Droit et Sciences Politiques
Lic.Med.	Licentiate in Medicine
L.I.M.	Licentiate of the Institution of Metallurgists
Litt.D.	Doctor of Letters
LL.B.	Bachelor of Laws
LL.D.	Doctor of Laws
L.Lett.	Licentiate of Letters
LL.L.	Licentiate of Laws
LL.M.	Master of Laws
L.M.	Licentiate of Medicine or Midwifery
L.M.S.	Licentiate in Medicine and Surgery
L.M.S.S.A.	Licentiate in Medicine and Surgery of the Society of Apothecaries
L.Mus.	Licentiate in Music
L.Ph.	Licentiate of Philosophy
L.R.C.P.	Licentiate of the Royal College of Physicians
L.R.C.S.	Licentiate of the Royal College of Surgeons
L.S.	Library Science
L.S.A.	Licentiate of Science in Agriculture
L.S.T.	Licentiate in Sacred Theology
Lt.	Lieutenant
L.Th.	Licentiate or Master of Theology
M.A.	Master of Arts
M.A.C.E.	Member of the Australian College of Education
M.A.C.V.S.	Member of the Australian College of Veterinary Surgeons
M.Agr.	Master of Agriculture
M.A.L.S.	Master of Arts in Library Science
Man.	Manager, Managing; Manitoba
M.A.O.	Master of Obstetrics
M.Arch.	Master in Architecture
M.A.Sc.	Master of Applied Science
M.A.S.C.E.	Member of the Australian Society of Civil Engineers
Mass.	Massachusetts
M.B.	Bachelor of Medicine
M.B.A.	Master of Business Administration
M.B.E.	Member of the Order of the British Empire
M.B.I.M.	Member of the British Institute of Management
M.C.	Military Cross
M.C.D.	Master of Civic Design
M.C.E.	Master of Civil Engineering
M.Ch.	Master of Surgery
M.Ch.D.	Master of Dental Surgery
M.Ch.E.	Master of Chemical Engineering
M.C.I.T.	Member of the Chartered Institute of Transport
M.C.L.	Master of Civil Law
M Com(m).	Master of Commerce
M.C.P.	Master of City Planning
M.C.S.	Master of Commercial Science
Md.	Maryland
M.D.	Doctor of Medicine
M.D.S.	Master of Dental Surgery
M.E.	Mechanical Engineer; Master of Education; Master of Engineering; Military Engineer; Mining Engineer
Me.	Maine
M.Econ.	Master of Economics
M.Ed.	Master of Education
M.E.E.	Master of Electrical Engineering
M.E.I.C.	Member of the Engineering Institute of Canada
Mem(s).	Member(s)
M.Aus.I.M.M.	Member of the Australasian Institute of Mining and Metallurgy
M.Eng.	Master of Engineering
M.F.	Master of Forestry
M.F.A.	Master of Fine Arts
Mgr.	Monseigneur; Monsignor; Magister (Master's degree)
M.H.A.	Member of the House of Assembly
M.H.R.	Member of the House of Representatives
M.I.Biol.	Member of the Institute of Biology
M.I.C.E.	Member of the Institution of Civil Engineers
M.I.Chem.E.	Member of the Institution of Chemical Engineers
Mich.	Michigan
M.I.E.A.	Member of the Institution of Engineers of Australia
M.I.E.E.	Member of the Institution of Electrical Engineers
M.I.E.R.E.	Member of the Institution of Electronic and Radio Engineers
M.I.L.	Member of the Institute of Linguists
Mil.	Military
M.I.Mar.E.	Member of the Institute of Marine Engineers
M.I.Mech.E.	Member of the Institution of Mechanical Engineers
M.I.Min.E.	Member of the Institution of Mining Engineers
M.I.M.M.	Member of the Institution of Mining and Metallurgy
Minn.	Minnesota
Miss.	Mississippi
M.I.P.E.	Member of the Institution of Production Engineers
M.I.P.M.	Member of the Institute of Personnel Management
M.I.Struct.E.	Member of the Institution of Structural Engineers
M.I.T.	Massachusetts Institute of Technology

M.I.W.E.	Member of the Institute of Water Engineers
M.L.	Master of Laws
M.L.A.	Member of the Legislative Assembly; Master of Landscape Architecture
M.L.C.	Member of the Legislative Council
M.Litt.	Master of Letters
M.L.S.	Master of Library Science
M.M.S.A.	Master of Midwifery of the Society of Apothecaries
M.Mus.	Master of Music
Mo.	Missouri
Mont.	Montana
M.P.	Member of Parliament
M.P.H.	Master of Public Health
M.Ph.	Master of Philosophy
M.R.A.I.C.	Member of the Royal Architectural Institute of Canada
M.R.A.S.	Member of the Royal Asiatic Society
M.R.C.Path.	Member of the Royal College of Pathologists
M.R.C.P.(E.)	Member of the Royal College of Physicians of Edinburgh
M.R.C.S.(E.)	Member of the Royal College of Surgeons of Edinburgh
M.R.C.V.S.	Member of the Royal College of Veterinary Surgeons
M.R.I.	Member of the Royal Institution
M.R.I.A.	Member of the Royal Irish Academy
M.R.I.C.	Member of the Royal Institute of Chemistry
M.R.S.A.	Member of the Royal Society of Arts
M.R.S.A.E.	Member of Royal Society of Agricultural Engineers
M.R.S.L.	Member of the Royal Society of Literature
M.S.	Master of Science; Master of Surgery
M.S.A.	Master of Scientific Agriculture
M.Sc.	Master of Science
M.Sc.A.	Master of Applied Science
M.Sc.Agr.	Master of Science in Agriculture
M.Sc.(Chem. Tech.)	Master of Science in Chemical Technology
M.Sc.D.	Master of Science in Dentistry
M.Sc.F.	Master of Science in Forestry
M.Sc.(Med.)	Master of Science in Medicine
M.Sc.N.	Master of Science in Nursing
M.Sc.Tech.	Master of Science in Technology
M.S.D.	Doctor of Medieval Studies
M.S.L.	Licentiate of Medieval Studies
M.S.P.	Master of Science in Pharmacy
M.Soc.Sc.	Master of Social Science
M.S.W.	Master of Social Work
M.Th.	Master of Theology
M.T.P.I.	Member of the Town Planning Institute
Mus.Bac. or B.	Bachelor of Music
Mus.Doc. or D.	Doctor of Music
Mus.M.	Master of Music
M.V.O.	Member of the Royal Victorian Order
M.V.Sc.	Master of Veterinary Science
NASA	National Aeronautics and Space Administration
N.B.	New Brunswick
N.C.	North Carolina
N.D.	North Dakota
N.D.D.	National Diploma in Dairying
Neb.	Nebraska
Nev.	Nevada
N.H.	New Hampshire
N.J.	New Jersey
N.M.	New Mexico
N.S.	Nova Scotia
N.S.W.	New South Wales
N.U.I.	National University of Ireland
N.Y.	New York
N.Z.	New Zealand
O.	Ohio
OAS	Organization of American States
O.B.E.	Officer of the Order of the British Empire
OECD	Organization for Economic Co-operation and Development
O.F.M.	Order of Friars Minor
O.F.S.	Orange Free State
Okla.	Oklahoma
O.M.	Member of the Order of Merit
O.M.I.	Oblate of Mary Immaculate
On.	Onorevole (Italian)
O.N.D.	Ordinary National Diploma
Ont.	Ontario
O.P.	Order of Preachers (Dominicans)
Ore.	Oregon
ORSTOM	Office de la Recherche Scientifique et Technique Outre-Mer
O.S.B.	Order of St. Benedict
O. St. J.	Officer of (the Order of) St. John of Jerusalem
OStR.	Oberstudienrat
Oxon.	Of Oxford University
Pa.	Pennsylvania
P.C.	Privy Councillor
Pd.B.	Bachelor of Pedagogy
Pd.D.	Doctor of Pedagogy
Pd.M.	Master of Pedagogy
P.E.	Petroleum Engineer
P.E.I.	Prince Edward Island
P.E.N.	Poets, Playwrights, Essayists, Editors and Novelists (Club)
Ph.B.	Bachelor of Philosophy
Ph.D.	Doctor of Philosophy
Ph.G.	Graduate in Pharmacy
Ph.L.	Licentiate in Philosophy
Ph.M.	Master of Philosophy
P.O.B.	Post Office Box
P.Q.	Province of Quebec
P.R.A.	President of the Royal Academy
Pres.	President
P.R.I.	President of the Royal Institute of Painters in Water Colours
P.R.I.B.A.	President of the Royal Institute of British Architects
Prof.	Professor
P.R.S.	President of the Royal Society
P.R.S.A.	President of the Royal Scottish Academy
Publ(s).	Publication(s)
Q.C.	Queen's Counsel
q.v.	quod vide (which see)
R.A.	Royal Academy; Royal Academician
R.A.C.P.	Royal Australasian College of Physicians
R.A.C.S.	Royal Australasian College of Surgeons
R.A.F.	Royal Air Force
R.A.M.	Royal Academy of Music
R.A.S.	Royal Astronomical (or Asiatic) Society
R.B.A.	Royal Society of British Artists
R.C.A.	Member of the Royal Cambrian Academy; Member of the Royal Canadian Academy
R.C.M.	Royal College of Music
R.C.S.	Royal College of Surgeons
Rep.	Representative; Represented
retd.	retired
Rev.	Reverend
R.G.S.	Royal Geographical Society
R.Hist.S.	Royal Historical Society
R.I.	Rhode Island; Royal Institute of Painters in Water Colours; Royal Institution
R.I.A.	Royal Irish Academy; Registered Industrial and Cost Accountant

R.I.B.A.	Royal Institute of British Architects
R.I.C.S.	Royal Institution of Chartered Surveyors
R.M.P.A.	Royal Medico-Psychological Association
R.N.	Royal Navy
R.O.I.	Royal Institute of Oil Painters
R.P.	Member of the Royal Society of Portrait Painters
R.S.A.	Royal Scottish Academy; Royal Society of Arts
R.S.C.	Royal Society of Canada
R.S.F.S.R.	Russian Soviet Federative Socialist Republic
R.S.W.	Royal Scottish Society of Painters in Water Colours
Rt. Hon.	Right Honourable
Rt. Rev.	Right Reverend
R.W.S.	Royal Society of Painters in Water Colours

S.A.	South Africa(n)
S.C.	South Carolina; Senior Counsel (Republic of Ireland)
Sc.B.	Bachelor of Science
Sc.D.	Doctor of Science
S.C.D.	Doctor of Commercial Science
S.Dak.	South Dakota
S.D.I.	Selective Dissemination of Information
Sec.	Secretary
S.J.	Society of Jesus
S.J.D.	Doctor of Juristic Science
S.M.	Master of Science
S.R.R.	Socialist Republic of Romania
S.S.R.	Soviet Socialist Republic
S.T.B.	Bachelor of Sacred Theology
S.T.D.	Doctor of Sacred Theology
S.Th.L.	Sacrae Theologiae Lector (Reader or Professor of Sacred Theology)
S.T.M.	Master of Sacred Theology
Supt.	Superintendent

T.D.	(Territorial) Efficiency Decoration; Tealta Dáil (Member of the Dail)
Tenn.	Tennessee
Tex.	Texas
Th.A.	Associate in Theology
Th.B.	Bachelor of Theology
Th.D.	Doctor of Theology
Th.M.	Master of Theology

U.G.C.	University Grants Committee
U.K.	United Kingdom
UN	United Nations
UNDP	United Nations Development Programme
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UNICEF	United Nations International Children's Emergency Fund
Univ.	University
UNRWA	United Nations Relief and Works Agency
U.P.	Uttar Pradesh (United Provinces)
URSI	Union Radio-Scientifique Internationale
U.S.A.	United States of America
U.S.S.R.	Union of Soviet Socialist Republics

Va.	Virginia
V.C.	Victoria Cross
Vols.	Volumes
Vt.	Vermont

W.A.	Western Australia
Wash.	Washington (State)
W.E.A.	Workers' Educational Association
Wis.	Wisconsin
W. Va.	West Virginia
Wyo.	Wyoming

†	indicates a periodical title available for exchange

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RHODESIA
(ZIMBABWE)

Population 6,530,000

LEARNED SOCIETIES

Agriculture and Veterinary Science

Rhodesian Agricultural and Horticultural Society: P.O.B. 442, Salisbury; Gen. Man. A. J. Dawkins.

Crop Science Society of Rhodesia: P.O.B. UA 409, Union Ave., Salisbury; Chair. J. Wilson; Sec. G. Hildebrand.

Rhodesian Veterinary Association: P.O.B. 8387, Causeway, Salisbury; Pres. Dr. B. C. Danks; Sec. Dr. C. M. Foggin; publ. *Rhodesian Veterinary Journal*†.

Arts

Salisbury Arts Council: P.O.B. 4011, Highlands, Salisbury; f. 1968; Chair. Harold Marsh; Sec. Mrs. Anne Gibson.

History, Geography and Archaeology

Geographical Association of Rhodesia: c/o Hughes, Mount Pleasant School, P.O.B. MP90, Mount Pleasant, Salisbury; Chair. W. D. Michie; Sec. T. A. Hughes.

Pre-History Society of Rhodesia: P.O.B. 876, Salisbury; f. 1958; promotion of the study of early history, prehistory and archaeology in Africa, with particular reference to Rhodesia; Chair. D. Alexander; publ. *Rhodesian Prehistory*† (annually).

Language and Literature

Rhodesia Literature Bureau: P.O.B. 8137, Causeway, Salisbury; encourages, advises and sponsors African authors, finds publishers for their work and establishes markets for their books; also active in language studies, etc.; Matabeleland branch: P.O.B. 857, Bulawayo; Dir. E. W. Krog; publ. *Bureau Bulletin* (quarterly).

Medicine

Cancer Association (Rhodesia), The: P.O.B. 3388, Bulawayo; f. 1959; 423 mems.

Dental Association of Rhodesia: P.O.B. 492, Bulawayo; Pres. Dr. B. Cooper; Sec. Dr. W. G. Evans; publ. *Journal* (2 a year).

Pharmaceutical Society of Rhodesia: P.O.B. UA 54, Union Ave., Salisbury; Pres. L. J. Brener; Sec. I. Dallas.

Rhodesia Medical Association: P.O.B. 3671, Salisbury; Pres. Dr. Paul Fehrsen; Sec. R. D. Martin.

Natural Sciences

General

Rhodesia Scientific Association: P.O.B. 978, Salisbury; f. 1899; 300 mems.; Pres. Dr. C. J. Shiff; Vice-Pres. Dr. B. S. Purchase; Hon. Sec. J. A. Williams; publs. *Proceedings and Transactions*, *Rhodesia Science News*.

Biological Sciences

Botanical Society of Rhodesia: P.O.B. 461, Salisbury; f. 1934; Hon. Sec. J. R. James.

Kirk Biological Society: Division of Biological Sciences, University of Rhodesia, P.O.B. MP167, Mount Pleasant, Salisbury.

Low Veld Natural History Society: P.O.B. 112, Chiredzi; Chair. Dr. C. Saunders.

Rhodesian Ornithological Society: P.O.B. 8382, Causeway, Salisbury; Pres. A. N. B. Masterson; Sec. S. Perrett; publ. *The Honeyguide*†.

Wild Life Society of Rhodesia: P.O.B. 3497, Salisbury; f. 1927; all aspects of wild life conservation; 1,500 mems.; Pres. W. P. Brookes Ball; Vice-Pres. A. C. Pakenham; Hon. Sec. A. J. Beasley; publ. *Wild Rhodesia*† (irregular).

Zoological Society of Rhodesia: P.O.B. 8165, Causeway, Salisbury; Pres. Dr. C. Shiff; Sec. F. Du Toit.

Physical Sciences

Geological Society of South Africa (Rhodesian Branch): P.O.B. 8427, Causeway, Salisbury; Chair. J. G. Urie; Sec. Dr. R. Foster.

Mennel Society: Dept. of Geology, University of Rhodesia, P.O.B. 167, Mount Pleasant, Salisbury; f. 1964; lectures, films, field trips; 60 mems.; Pres. A. E. Phaup, B.SC., F.I.M.M., C.ENG.; Vice-Pres. Prof. G. Bond; Sec. J. P. Murphy; publ. *Detritus*†.

Technology

Institution of Mining and Metallurgy (Rhodesian Section): P.O.B. 405, Salisbury; f. 1931; Hon. Sec. T. R. C. Fernandes.

Rhodesian Institute of Surveyors: P.O.B. 3869, Salisbury; f. 1967; 126 mems.; Pres. H. N. Thorniley; Sec. W. R. Starkey.

Rhodesian Institution of Engineers: P.O.B. 660, Salisbury; f. 1944; 1,120 mems.; Pres. Eng. E. M. Shepherd; Sec. E. Dudley; publs. *The Rhodesian Engineer* (6 a year), *Year Book*.

RESEARCH INSTITUTES

(*see* also under University)

Agricultural Research Council of Rhodesia: P.O.B. 8108, Causeway, Salisbury; f. 1970; advises on agricultural research policy and programmes in Rhodesia; 15 regional research institutes and stations; Chair. R. Pascoe; Exec. Sec. R. C. Smith; publs. *Annual Report*†, *Technical Reports*.

Blair Research Laboratory: P.O.B. 8105, Causeway, Salisbury; Dir. Dr. V. de V. Clarke.

Central Statistical Office: P.O.B. 8063, Causeway, Salisbury; f. 1927; co-ordinated statistical service for the Government of Rhodesia; staff of 143; Dir. C. A. L. Myburgh, C.L.M., M.COMM., PH.D., F.S.S.

Department of Metallurgy: Ministry of Mines, P.O.B. 8340, Causeway, Salisbury; f. 1920; conducts investigations on methods of economic extraction from precious, base-metal and non-metallic ores.

Department of Research and Specialist Services: P.O.B. 8108, Causeway, Salisbury; under the Ministry of Agriculture; f. 1948; responsible for research and education in agriculture; Dir. D. H. Saunder, M.B.E., PH.D.; Asst. Dir. Crop Research Division W. R. MILLS; Asst. Dir. Livestock and Pasture Division Dr. R. C. ELLIOTT; Asst. Dir. Research Services Division Dr. P. M. GRANT; Head, Education and Executive Branch J. W. WALSH; publs. *Rhodesia Agricultural Journal*† (every 2 months), technical bulletins† (occasional), *Rhodesian Journal of Agricultural Research*† (2 a year), *Kirkia*† (annually), annual reports of Institutes and Stations†.

Research Institutes:

Agronomy Institute: P.O.B. 8100, Causeway; f. 1976; formerly Salisbury Research Station; research into crop agronomy, weed research, crop ecology and crop production; Head (vacant).

Chemistry and Soil Research Institute: P.O.B. 8108, Causeway; f. 1909; research and advisory work on soils and agricultural chemistry; registration and regulation of fertilizers and foodstuffs; crop nutrition, chemistry, pedology, soil physics and soil productivity research sections; Head R. J. FENNER.

Cotton Research Institute: P.O.B. 530, Gatooma; f. 1925; all aspects of cotton agronomy, breeding and pest research; Head J. A. GLEDHILL.

Crop Breeding Institute: P.O.B. 8100, Causeway; f. 1976; formerly Salisbury Research Station; responsible for breeding programmes on maize, soya beans, groundnuts, wheat, barley and potatoes; Head J. R. TATTERSFIELD.

Horticulture and Coffee Research Institute: Head Dr. J. C. ROBINSON.

Plant Protection Research Institute: P.O.B. 8108, Causeway; f. 1964; research and advisory work on plant pests; entomology, pathology and haematology sections; Head G. W. HERD.

Research stations:

Grasslands Research Station: Private Bag 701, Marandellas; f. 1929; research on pasture, animal and crop production for the high-rainfall sandveld area; selection and testing of Rhizobium strains and commercial production of legume inoculants; Head T. C. D. KENNAN.

Henderson Research Station: Private Bag 222A, Salisbury; f. 1949; pasture work on the introduction and screening of grasses and legumes for suitability as fertilized pastures; research in ruminant nutrition; herbicide and weed control research; Head M. G. W. RODEL.

Lowveld Research Station: P.O.B. 97, Chiredzi; f. 1967; research in irrigation agronomy in South-Eastern Lowveld; sub-tropical horticulture and vegetable crops; Head Dr. J. H. WILSON.

Matopos Research Station: Private Bag K5137, Bulawayo; f. 1903; research in veld management, ecology of regional soil types, bush encroachment, cattle breeding, and beef production; Head H. K. WARD.

Makoholi Experiment Station: Private Bag 9182, Fort Victoria; f. 1942; research into problems of animal and crop production for sandveld and medium rainfall districts of Rhodesia; crop agronomy, cattle production (indigenous breeds) and natural grazing management; Officer-in-Charge J. TIFFIN.

Horticultural Research Centre: located on Grasslands Research Station, Marandellas; f. 1968; responsible for all aspects of horticultural research; Officer-in-Charge M. O. DALE.

Coffee Research Station: P.O.B. 61, Chipinga; f. 1964; research into all aspects of coffee management, growth, pest and disease control; tea research projects; Officer-in-Charge C. R. MARSHALL.

Rhodes-Inyanga Experiment Station: Private Bag 8044, Rusape; f. 1910; Pome fruit research; Officer-in-Charge C. B. PAYNE.

National Herbarium and Botanic Garden: P.O.B. 8108, Causeway; f. 1909; maintains a comprehensive collection of *c.* 250,000 specimens, provides an identification service for workers in agriculture and related fields and contributes to knowledge of the flora of South-Central Africa; botanical and ecological research, and research on medicinal and poisonous plants; Officer-in-Charge (Botanic Garden) T. MULLER; Keeper R. B. DRUMMOND (Herbarium).

Agricultural Colleges and Institutes:

Gwebi College of Agriculture: Private Bag 376B, Salisbury; f. 1950; offers Rhodesian Diploma in Agriculture; 2-year course; Principal H. McLEAN.

Chibero College of Agriculture: Private Bag 901, Norton; f. 1961; offers Rhodesian Diploma in Agriculture to African students; Principal D. P. HANHAM.

Esigodini Agricultural Institute: Private Bag 5808, Essexvale; f. 1921; offers 3-year Certificate course to African students; Principal D. L. ALVORD.

Department of Veterinary Services; Tsetse and Trypanosomiasis Control Branch: P.O.B. 8283, Causeway, Salisbury; under the Ministry of Agriculture; f. 1909; for the control of trypanosomiasis and tsetse fly and the investigation of methods of control; laboratory at Salisbury and two research stations in Zambezi Valley; Asst. Dir. R. D. PILSON.

Veterinary Research Laboratory: P.O.B. 8101, Causeway, Salisbury; f. 1906; diagnostic centre and research institute for animal diseases; 30 mems.; library of 1,200 vols.; Dir. J. A. LAWRENCE; Chief Research Officer R. SWANEPOEL.

Geological Survey of Rhodesia: P.O.B. 8039, Causeway, Salisbury; f. 1910; geological mapping and survey of mineral resources; library of 2,000 vols., 6,000 reprints, 9,600 periodicals; museum displaying Rhodesian geology and economic minerals; Dir. E. R. MORRISON; publs. *Annual Reports*†, *Bulletins*†, *Mineral Resources Series*† (irregular), short reports and maps.

Institute of Mining Research: P.O.B. MP 167, Mt. Pleasant, Salisbury; f. 1969; multidisciplinary research for the benefit of the mining industry; 28 full-time staff; Dir. Prof. K. A. VIEWING.

Meteorological Service: P.O.B. BE 150, Belvedere, Salisbury; f. 1897; Dir. J. E. STEVENS; publs. *Monthly Meteorological Summaries*†, *Rainfall Handbook Supplements*†, *Climate Handbook Supplements*†, daily weather reports and forecasts†, weekly rainfall maps during rainy season Nov.-Mar.†.

Affiliated Institute:

Goetz Observatory: P.O.B. A C 65, Ascot, Bulawayo; also seismology; publ. *Seismological Bulletin*†.

Public Health Laboratory: P.O.B. 8079, Causeway, Salisbury; f. 1909; Dir. Dr. K. G. GADD; Pathologists Dr. R. F. LOWE, Dr. K. A. P. LEE; Chief Medical Technologist J. P. COATES PALGRAVE.

Rhodesia Forestry Commission: P.O.B. 8111, Causeway, Salisbury; f. 1954; state forest authority, responsible for formulating forest policy in Rhodesia; engaged in large-scale plantation operations; research and advisory services.

Forest Research Division: P.O.B. 8111, Causeway, Salisbury; conducts research into many aspects of forestry, principally high-yielding plantations, with special emphasis on tree genetics and the production of progressively improved pine and eucalypt seed, wood quality, general plantation management and fertilizer research.

Scientific Council of Rhodesia: P.O.B. 8510, Causeway, Salisbury; f. 1964; advisory body to the Government on general scientific policy and official channel for exchange of national and international scientific and technical information; Chair. Sen. Dr. B. S. ELLIS; Sec. R. TORNBOHM; publs. *Directory of Scientific and Technical Organizations in Rhodesia* (every 3 years), *Rhodesia Research Index* (annually).

Standards Association of Central Africa: Coventry Rd., Salisbury; f. 1957; sponsored by the Governments of Rhodesia and Malawi; encourages high standards; has laboratory facilities for testing and operates certification marking schemes; 204 mems.; Chair. F. E. BUCH; publ. *Standards Bulletin*† (every 2 months).

Tobacco Research Board of Rhodesia: P.O.B. 1909, Salisbury; a statutory body est. 1950 by Tobacco Research Act; board represents growers, buyers, and Ministry of Agriculture; conducts research into all types of tobacco, agronomy, breeding and pest control; operates three research stations; library of 9,500 vols., 560 periodicals; Chair. J. W. FIELD; Dir. I. MCDONALD, O.L.M., M.A., C.CHEM., PH.D., M.A.R.I.C.; publs. *Bulletins*† and *Interim Reports*†.

LIBRARIES AND ARCHIVES

Library of Parliament: P.O.B. 8055, Causeway, Salisbury; f. 1899; 100,000 vols.; Librarian E. E. BURKE, M.L.M., F.L.A.

National Archives of Rhodesia: Private Bag 7729, Causeway, Salisbury; f. 1935 as the Government Archives of Southern Rhodesia; incorp. archives of Northern Rhodesia and Nyasaland and designated the Central African Archives 1947; became National Archives of Rhodesia and Nyasaland 1958–63; reverted January 1964 to Rhodesian Government, and responsibility for Northern Rhodesia and Nyasaland archives ceased; also serves Rhodesian municipalities and holds archives of late Federation of Rhodesia and Nyasaland; comprises divisions of Public Archives, Records Management, Historical Manuscripts, Oral History, National Library (legal deposit library) including Pictorial Sound Recording and Map Collections; photo-copying and document restoration services available; H.Q. Govt. Library Services; Dir. E. E. BURKE, M.L.M., F.L.A.; Asst. Dirs. R. W. S. TURNER, M.S.M., C. COGGIN, B.A., H.D.L.; publs. *Oppenheimer Series, Bibliographical Series, Occasional Papers, Rhodesia National Bibliography*† (annual), *Guide to the Public Archives of Rhodesia, Vol. 1, 1890–1923*†, *Guide to the Historical Manuscripts in the National Archives of Rhodesia*†, *Report of the Director*† (annual), *Current Rhodesian Periodicals*†, *Directory of Rhodesian Libraries*, various histories and monographs.

National Free Library of Rhodesia: P.O.B. 1773, Bulawayo; f. 1943 as national lending library for educational, scientific and technical books and national centre for inter-library loans; 63,000 vols.; Librarian N. JOHNSON, A.L.A.

Public Library: P.O.B. 586, Bulawayo; f. 1896; reference, lending, junior library; mobile library; postal service to rural readers; African/Rhodesian collection; legal deposit library for Rhodesia; 50,000 vols.; Librarian R. W. DOUST, A.L.A.; publ. *Spectrum*† (quarterly).

Queen Victoria Memorial Library: P.O.B. 1087, Salisbury; f. 1902; 49,000 vols.; Librarian and Sec. Mrs. M. ROSS-SMITH, F.L.A.

Turner Memorial Library: Umtali; f. 1902; 25,000 vols.; Librarian Mrs. P. JARVIS.

University of Rhodesia Library: P.O.B. M.P.45, Mount Pleasant, Salisbury; f. 1956; 270,000 vols.; 4,100 periodicals; Medical library; Law library; Education library; Map library; Africana collection; collection of African languages; photo-copying facilities; Librarian A. HARRISON, M.A., A.L.A.

MUSEUMS AND ART GALLERIES

The National Museums and Monuments of Rhodesia: P.O.B. 8540, Causeway, Salisbury; administered by a Board of Trustees appointed by the Minister of Internal Affairs; Exec. Dir. H. D. JACKSON; publs. *Occasional Papers*†, *Arnoldia Rhodesia*†, *Memoirs*, pamphlets; includes the following:

Great Zimbabwe National Monument: P.B. 9158, Fort Victoria; ruins of medieval dry stone buildings representing the Zimbabwe culture; history and development of Zimbabwe; archaeological research in south-eastern region of Rhodesia; Dir. P. J. WRIGHT.

National Museum: Selborne Ave., P.O.B. 240, Bulawayo; f. 1901; geological, entomological and zoological exhibits; study collections covering Ethiopian region, with special reference to southern Africa; historical, ethnographical and prehistorical exhibits and study collections appertaining to Rhodesia and adjacent regions; Dir. M. P. S. IRWIN; Curator of Mammals K. M. ADAMS, B.SC.; Curator of Invertebrate Zoology E. C. G. PINHEY, D.SC.; Curator of Geology P. LOCKE, B.SC.; Curator of Antiquities N. J. WALKER, B.SC.

Midlands Museum: Lobengula Ave., P.O.B. 1300, Gwelo; f. 1972; history of Rhodesian Midlands and military history of Rhodesia; Curator W. S. REES.

Queen Victoria Museum: P.O.B. 8006, Causeway, Salisbury; f. 1902; zoological, ethnographical, archaeological and historical exhibits and study collections appertaining to Rhodesia and adjacent areas, with special reference to Mashonaland; Dir. E. A. C. MILLS.

Umtali Museum: Victory Ave., Umtali; f. 1954; geological, zoological, ethnographical, archaeological and historical exhibits and study collections, appertaining to Rhodesia and its Eastern Districts in particular; Dir. (vacant).

National Gallery of Rhodesia: P.O.B. 8155, Causeway, Salisbury; f. 1957; permanent collection includes works by Reynolds, Gainsborough, Morland, Murillo, Ribera, Bellini, Pannini, Mantegna, Caracciolo, Rodin, and traditional and contemporary African art; art library and reading room; Dir. Prof. BRIAN BRADSHAW.

UNIVERSITY

THE UNIVERSITY OF RHODESIA

P.O.B. 2702, SALISBURY
Telephone: Salisbury 303211.
Telegraphic Address: University, Salisbury
Academic year: March to December.

In February 1955 a Royal Charter was granted to the University College of Rhodesia and Nyasaland. The College became the University of Rhodesia under revised statutes adopted in 1970, but the Charter was preserved as the basic constitutional instrument of the University.

Principal and Vice-Chancellor: Rev. Prof. R. CRAIG, M.A., B.D., PH.D., HON.D.D., S.T.M.

Vice-Principal and Deputy Vice-Chancellor: Prof. G. BOND, O.L.M., PH.D., D.I.C., A.R.C.S., C.END., F.I.M.M., F.G.S.(AMER.).

Registrar: (vacant).

Librarian: A. HARRISON, M.A., A.L.A.

Number of teachers: 235 full-time, 46 part-time.
Number of students: 2,303.

Publication: *Prospectus.*

DEANS:

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Regional and Urban Planning Centre: P. VAN HOFFEN, B.SC.

Science Education Centre.
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COLLEGES

Bulawayo Technical College: Main Centre, Twelfth Avenue Extension, P.O.B. 1392, Bulawayo; f. 1927, regional college 1961; further education in technical, commercial and management subjects; 147 teachers; 3,304 students; library of 11,000 vols.; Principal D. GEE, C.ENG., M.I.MECH.E., M.RHOD.I.E.; Registrar C. P. WILSON.

Chibero College of Agriculture: Private Bag 901, Norton; f. 1961; Three-year Diploma in Agriculture for Africans.

Principal: D. P. HANHAM.

Library of 1,150 vols.

Number of teachers: 16.
Number of students: 80.

Publication: *Agricultural Education.*

Gwebi College of Agriculture: Private Bag 376B, Salisbury; f. 1950; 2-year Diploma in Agriculture.

Principal: H. J. MCLEAN.

Library of 2,000 vols.

Number of teachers: 17.
Number of students: 88.

Kwanongoma College of Music: Private Bag T5392, Bulawayo; Dir. O. E. AXELSSON, M.A.

Rhodesian College of Music: Civic Centre, Rotten Row, Salisbury C.3; f. 1948.

Chairman: J. A. APPLEBY, F.C.A., C.A.(R.), C.A.(S.A.).
Director: NEIL CHAPMAN, L.R.A.M.
Registrar: Mrs. E. M. WAY.

Salisbury School of Art: Corner Rhodes Avenue/Eighth-Street, Salisbury.

Salisbury Polytechnic: P.O.B. 8074, Causeway, Salisbury; f. 1927; number of teachers 327 (incl. 180 part-time); number of students: approx. 5,000. Full-time and sandwich courses for Technicians and Craftsmen; courses in Printing and Adult Education; full-time and part-time courses in Commercial subjects to B.Com. level; library of 28,000 vols.; Principal D. J. CLOSE.

ROMANIA

Population 21,559,416

ACADEMIES

Academia Republicii Socialiste România (*Academy of the Socialist Republic of Romania*): Bucharest, Calea Victoriei 125; f. 1948, as a result of the re-organization of the Academia Română, formerly the Societatea Literară Română, f. 1866.

President: (vacant).

Secretary: GEORGE CIUCU.

Library: *see* Libraries.

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Livescu, J.
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Meliusz, I.
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Teodorescu, V.
Vida, G.

Branches and Scientific Departments

Filiala Cluj-Napoca (*Cluj-Napoca Branch*): Cluj, Str. Republicii 9; Pres. Acad. V. Preda.

Filiala Iaşi (*Iaşi Branch*): Iaşi, Str. Universităţii 16; Pres. Acad. Petre Jitariu.

Baza de Cercetări Timişoara (*Timişoara Department of Scientific Research*): Str. Mihai Viteazul 24; Dir. Acad. Dan Mateescu.

Baza de cercetări Tg. Mureş (*Tg. Mureş Department of Scientific Research*): Str. Universităţii 38; Dir. Prof. Mihail Gündisch.

Publishing House

Editura Academiei (*Publishing House of the Academy*): 71021 Bucharest, Calea Victoriei 125; f. 1948; publishes works in the various fields of study of the Academy and 65 journals (37 in foreign languages); Dir. Constantin Busuioceanu.

Publications†: *Studii şi cercetări matematice* (Studies and Research in Mathematics); *Revue Roumaine de mathématiques pures et appliquées; Mathematica: Revue d'analyse numérique et de théorie de l'approximation; Studii şi cercetări de fizica* (Studies and Research in Physics); *Revue Roumaine de physique; Revue Roumaine de chimie; Cellulose Chemistry and Technology; Studii şi cercetări de mecanică aplicată* (Studies and Research in Applied Mechanics); *Revue Roumaine des sciences techniques: Série de mécanique appliquée-Série électrotechnique et énergétique; Studii şi cercetări de biochimie* (Studies and Research in Biochemistry); *Revue roumaine de biochimie; Studii şi cercetări de biologie: Seria biologie vegetală; Seria biologie animală* (Studies and Research in Biology); *Revue Roumaine de biologie: Série de biologie végétale; Série de biologie animale; Studii şi cercetări de antropologie* (Studies and Research in Anthropology); *Annuaire Roumain d'Anthropologie; Ocrotirea; naturii şi a mediului înconjurător* (The Protection of Nature and the Environment); *Travaux de l'Institut de spéologie "Emil Racoviţă; Studii şi cercetări de geologie, geofizică şi geografie* (Studies and Research in Geology, Geophysics and Geography); *Revue Roumaine de géologie, géophysique et géographie—Géologié; Géophysique; Géographie; Studii şi cercetări lingvistice* (Linguistic Studies and Research); *Cercetari de lingvistică—Cluj-Napoca* (Linguistic Research—Cluj-Napoca); *Limba română* (The Romanian Language); *Nyelv-és Irodalomtudományi Közlemények; Revista de etnografie şi folclor* (Review of Ethnology and Folklore).

Academia de Ştiinţe Agricole şi Silvice (*Academy of Agricultural and Forest Sciences*): Bucharest, Bv. Mărăşti 61; f. 1969.

Presidium:

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Modoran, I.
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Sociu, S.
Suta, Victoria
Vasilescu, I.

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Buşniţă, T.
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Timaru, S.
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Temişan, V.
Tîrlea, S.

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Corresponding Members:

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Rucăreanu, N.

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RESEARCH INSTITUTES ATTACHED TO THE ACADEMY OF AGRICULTURAL AND FOREST SCIENCES

Institutul de Cercetări pentru Apicultură (*Research Institute for Beekeeping*): Bucharest, str. Bd. Ticusului nr. 42, S.1.; f. 1974; 26 mems.; library of 9,000 vols.; Dir. Ing. Eugen Mirza; publ. *Apicultura* (monthly).

Institutul de Cercetări pentru Cereale şi Plante Tehnice (*Research Institute for Cereals and Industrial Crops*): Fundulea, jud. Ilfov; f. 1957; 126 mems.; library of 7,346 vols.; Dir. Prof. Dr. doc. Nichifor Ceapoiu; publs. *Analele Institutului de Cercetări Pentru Cereale şi Plante Tehnice* (annual), *Probleme de genetică teoretică şi aplicată* (twice a month), *Probleme de protecţia plantelor* (quarterly).

Institutul de Cercetări pentru Creşterea Taurinelor (*Research Institute for Cattle Breeding*): 8113 Com. Corbeanca, jud. Ilfov; f. 1970; research in genetics and cytogenetics, physiology, animal nutrition, biochemistry, beef and milk production, histology, cattle improvement and reproduction; 65 mems.; library of 11,000 vols.; Dir. Ing. Dr. Stelian Dinescu; publ. *Taurine—Scientific Works*† (annual).

Institutul de Cercetări pentru Cultura Cartofului (*Potato Research Institute*): 2200 Braşov (Stupini), Str. Fundăturii 2; f. 1977; 30 staff; library of 7,684 vols.; Dir. Dr. doc.ing. Berindei Matei; pulb. *Anale*†.

Institutul de Cercetări pentru Economie Agrară (*Research Institute for Agrarian Economy*): Bucharest, Bd. Mărăşti 61; f. 1967; 42 mems.; library of 2,600 vols.; Dir. Dumitru Dumitru.

Institutul de Cercetări pentru îmbunătăţiri funciare (*Research Institute for Soil Improvement*): publs. *Studies and Research in Geotechnics, Foundations and Geotechnical Works*; *Studies and Research in Hydraulics*; *Studies and Research in Irrigation, Draining and Soil Erosion Control* (all annual).

Institutul de Cercetări pentru Industrie şi Chimie Alimentară: Bucharest, Str. Gîrlei 1; f. 1950; 240 mems.; library of 10,000 vols.; Dir. Dr. Ing. Ovidiu Popescu; publ. *Lucrări ştiinţifice ale Institutului de cercetări pentru chimie şi industrie alimentară* (annually).

Institutul de Cercetări pentru Irigaţii şi Drenaj (*Research Institute for Irrigation and Drainage*): Băneasa-Giurgiu, jud. Ilfov; f. 1969; Dirs. Dr. Ing. Nicolae Iga, Dr. Constantin Popescu; publs. *Studies and Research in Irrigation and Drainage* (annually).

Institutul de Cercetări pentru Legumicultură şi Floricultură (*Research Institute for Vegetable and Flower Growing*): 82.68 Vidra, jud. Ilfov; f. 1967; library of 9,890 vols.; Dir. Dr.-Ing. Lucian Jidav; publ. *Annual Report*†.

Institutul de Cercetări pentru Mecanizarea Agriculturii (*Agricultural Research Institute*): 71592 Bucharest, Bd. Ion Ionescu de la Brad 6; f. 1952; library of 37,200 vols.; Dir. Prof. Dr. Ing. Toma Dragoş; publ. *Lucrări ştiinţifice*† (Scientific Works, annual, with abstracts in English, French, German and Russian).

Institutul de Cercetări pentru Nutritia Animalelor (*Research Institute for Animal Nutrition*): Baloteşti, jud. Ilfov; f. 1970; Dir. Ing. C. Damian.

Institutul de Cercetări pentru Pedologie şi Agrochimie (*Institute for Soil Science and Agrochemistry*): Bucharest, Bd. Mărăşti 61; f. 1969; library of 9,000 vols.; Dir. Ing. Corneliu Răuţă; publ. *Anale*† (annual).

Institutul de Cercetări pentru Protecţia Plantelor (*Research Institute for Plant Protection*): 71592 Bucharest, Bd. Ion Ionescu de la Brad 8; f. 1967; plant virology, bacteriology and mycology, entomology, rodents and pesticides; 210 mems.; library of 5,840 vols.; Dir. Dr. Tudorel Baicu; publs. *Analele*† (annual), *Pesticide Tests*†.

Institutul de Cercetări pentru Valorificarea Legumelor şi Fructelor (*Research Institute of the Vegetable and Fruit Industry*): Bucharest, 75162 Lînăriei No. 93, B.O. 93; f. 1967; 130 mems.; library of 6,000 vols.; Dir. Ing. Silvian Girbu; publ. *Lucrări ştiinţifice I.C.V.L.F.*† (annually).

Institutul de Cercetări pentru Viticultură şi Vinificaţie (*Research Institute for Wine Growing and Wine Making*): Valea Călugărească, jud. Prahova; f. 1967; 128 mems.; Dir. Dr. Ing. Juliu Laszlo; publ. *Analele Institutului de Cercetări pentru Viticultură şi Vinificaţie*†.

Institutul de Cercetări şi Proiectări pentru "Delta Dunării" (*Research and Design Institute of the Danube Delta*): 8800 Tulcea, Str. Alex. Sahia 2; f. 1970; pisciculture, agriculture, forestry, research into natural resources of the Danube Delta; 75 staff; library of 30,000 vols.; Dir. Ing. Alexandru Volcov.

Institutul de Cercetări şi Proiectări pentru Gospodărirea Apelor (*Research and Design Institute for Water Resources Engineering*): Bucharest, Spl. Independenţei 294; f. 1971; 580 mems.; library of 5,000 vols.; Dir. Dr. Ing. Vasile Chiriac.

Institutul de Cercetări Veterinare şi Biopreparate "Pasteur" (*"Pasteur" Institute for Veterinary Research and Biological Products*): Bucharest, Soseaua Giuleşti 333; f. 1909; veterinary research and production of biological preparations for veterinary use; 130 mems.; library of 15,000 vols.; Dir. Dr. Valentin Popovici; publs. *Archiva Veterinaria*† (2 a year), *Lucrarile ICVB Pasteur-Bucharest*† (annual).

Institutul de Geodezie, Fotogrametrie, Cartografie şi Organizarea Teritoriului (*Institute for Geodesy, Photogrammetry, Cartography, and Land Management*): Bucharest, Bd. Expoziţiei 1 A, 78334, sector 1; f. 1958; 1,000 staff; library of 4,250 vols.; Dir. Ing. Dr. Nicolae Zegheru.

Institutul de Meteorologie şi Hidrologie (*Institute of Meteorology and Hydrology*): Bucharest, Sos. Bucureşti-Ploieşti 97; f. 1884; Dir. Nicolae Ciovica; publs. include: daily and monthly weather reports, *Anuarul Meteorologic*, *Anuarul Agrometeorologic*, *Anuarul Observatorului de Fizica Atmosferei*, *Anuarul Hidrologic*, *Culegere de lucrări I.M.*, *Studii de Hidrologie*, *Studii de Hidrogeologie*, *Meteorology and Hydrological Bibliography* (annually).

Oficiul de Informare Documentară pentru Agricultură şi Industrie Alimentară (*Office of Documentary Information for Agriculture and the Food Industry*): Bucharest, Bv. Mărăşti 61; f. 1965; library of 50,000 vols.; Dir. Dr. I. Trifu; publ. *Bull. Acad. Sciences Agric. Forest.*

Staţiunea Centrală de Cercetări pentru Ameliorarea Nisipurilor (*Central Station for the Improvement of the Sands*): Bechet, jud. Dolj; f. 1965; 21 mems.; library of 10,000 vols.; Dir. Ing. Petre Baniţă.

Staţiunea centrală de cercetări avicole (*Central Research Station for Poultry*): Corbeanca, Jud. Ilfov.

Staţiunea Centrală de Cercetări pentru Creşterea Ovinelor (*Central Research Station for Sheep Breeding*): Constanţa (Palas), jud. Constanţa; f. 1970; Dir. Dr. Moise Ştefan.

Staţiunea centrală de cercetări pentru Creşterea porcinelor (*Central Research Station for Pig Breeding*): Periş, Jud. Ilfov.

Staţiunea centrală de cercetări pentru combaterea eroziunii solului (*Central Research Station for Soil Erosion Control*): Perieni.

Staţiunea Centrală de Cercetări pentru Cultura Pajiştilor (*Central Grasslands Research Station*): 2200 Braşov-Măgurele, str. Cucului 5; f. 1969; grassland-research; 25 mems.; library of 5,000 vols.; Dir. Ing. Mircea Pop; publ. *Lucrări ştiinţifice Cultura pajiştilor*† (Journal annual).

Staţiunea Centrală de Cercetări pentru Cultura şi Industrializarea Tutunului (*Central Research Station for Tobacco Growing and Industrialization*): Bucharest, Str. Gîrlei nr. 1; f. 1974; 100 mems.; Dir. Dr. Ing. Eugen Ioan.

Staţiunea de Cercetări pentru Piscicultură (*Research Station for Fishbreeding*): Nucet, jud. Dîmboviţa; f. 1940; 40 mems.; library of 20,000 vols.; Dir. Dr. Mircea Niculescu-Duvăz.

Staţiunea de Cercetări pentru Plante Medicinale şi Aromatice (*Research Station for Medicinal and Aromatic Plants*): Fundulea, jud. Ilfov; f. 1975; 11 mems.; Dir. dr. Ing. Emil Paun.

Staţiunea de Cercetări pentru Sericicultură (*Research Station for Sericiculture*): Bucharest, Soseaua Bucureşti-Ploieşti, Alea Radio 18; f. 1957; library of 13,124 vols.; Dir. Dr. Ing. Ion Logofetici; publs. *Apiculture* (monthly), *Sericiculture* (quarterly).

Staţiuni de Cercetări Agricole (*Agricultural Research Stations*): at Albota, jud. Argeş; Brăila, jud. Brăila; Caracal, jud. Olt; Caransebeş, jud. Caraş Severin; Lovrin, jud. Timiş; Podu Iloaiei, jud. Iaşi; Oradea, jud. Bihor; Simnic, jud. Dokj; Turda, jud. Cluj; Mărculeşti, jud. Ialomiţa; Valul lui Traian, jud. Constanţa; Teleorman, jud. Teleorman.

Staţiuni de Cercetări Legumicole (*Vegetable Research Stations*): Aradul Nou, jud. Arad; Bacău, jud. Bacău; Buzău, jud. Buzău; Cluj, jud. Cluj; Işalniţa, jud. Dolj.

Staţiuni de Cercetări Pomicole (*Fruit Growing Research Stations*): at Baia Mare, jud. Maramureş; Bistriţa, jud. Năsăud; Fălticeni, jud. Suceava; Geoagiu, jud. Hunedoara; Tîrgu Jiu, jud. Gorj; Voineşti, jud. Dîmboviţa.

Staţiuni de Cercetări Viticole (*Vine-Growing and Wine-Making Research Stations*): at Blaj, Jud. Alba; Drăgăşani, jud. Vîlcea; Greaca, jud. Ilfov; Iaşi, jud. Iaşi; Miniş, jud. Arad; Murfatlar, jud. Constanţa; Odobeşti, jud. Vrancea; Stefăneşti, jud. Argeş; Pietroasele, jud. Buzău.

Trustul pomiculturii (*Fruit-growing Trust*): Piteşti-Mărăcineni, Jud. Argeş-Çod 0312; f. 1977; 267 staff; library of 9,800 vols.; Dir. Dr. Ing. Ilarie Isac; publs. *Annual Reports*†.

Academia de Ştiinţe Medicale (*Academy of Medical Sciences*): Bucharest, Bd. 1 Mai 11; f. 1969; publ. *Annals of the Academy of Medical Sciences*†.

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RESEARCH INSTITUTES ATTACHED TO THE ACADEMY OF MEDICAL SCIENCES

Centrul de Cercetări Medicale (*Medical Research Centre*): Tîrgu-Mureş, Str. Gh. Marinescu nr. 40; f. 1956; experimental and clinical research into tissue and organ transplantation, immune response, cardiovascular diseases and athero-sclerosis; library of 12,000 vols.; Dir. Prof. ZENO BARBU.

Centrul de Igienă şi Sănătate Publică (*Centre of Hygiene and Public Health*): Timişoara, 1900-Bd. V. Babes 16; f. 1946; environmental pollution (air, water, soil and food); industrial hygiene; epidemiology, pathogenesis and laboratory diagnosis of certain infectious and non-infectious diseases; experimental research in the field of embryology and teratology; library of 15,890 vols.; Dir. Prof. LEONIDA GEORGESCU; publ. *Morphologie et Embryologie* (series of *Revue Roumaine de Morphologie, d'Embryologie et de Physiologie* (quarterly).

Centrul National de Fono-Audiologie şi Chirurgie Functionala O.R.L. (*National Centre for Phono-Audiology and ENT Surgery*): Bucharest 6, str. Dinicu Golescu 30; f. 1972; library of 2,000 vols.; Dir. Prof. Dr. DORIN HOCIOTA.

Institutul de Endocrinologie "C. I. Parhon" (*"C. I. Parhon" Institute of Endocrinology*): Bucharest, Bul. Aviatorilor 34-36; f. 1946; 105 mems.; a complex clinico-experimental unit; university teaching centre; library of 55,000 vols.; Dir. Prof. S.-M. MILCU; publ. *Endocrinologie*† (series of *Revue Roumaine de Médecine*, quarterly).

Institutul de Fiziologie Normală şi Patologică "D. Danielopolu" (*"D. Danielopolu" Institute of Normal and Pathological Physiology*): Bucharest 78159, Bul. 1 Mai 11; f. 1949; graduate and postgraduate teaching; experimental and clinical physiology, patho-physiology of digestion and circulation; 55 mems.; library of 82,764 vols.; Dir. Prof. P. GROZA; publ. *Physiologie* (series of *Revue Roumaine de Morphologie, d'Embryologie et de Physiologie*†, quarterly).

Institutul de Igienă şi Sănătate Publică (*Institute of Hygiene and Public Health*): Bucharest, Str. Dr. Leonte 1-3; f. 1927; graduate and postgraduate teaching; library of 35,300 books and separate medical history library of 40,000 vols.; Dir. Prof. M. ALDEA; publ. *Studies and Research in Hygiene and Public Health*†.

Institutul de Igienă şi Sănătate Publică (*Institute of Hygiene and Public Health*): Cluj, Str. Pasteur 6; f. 1930; environmental hygiene, occupational health, school hygiene, sanitary statistics, radiobiology, epidemiology, virology, clinical research; 84 mems.; library of 28,954 vols.; Dir. (vacant).

Institutul de Medecină Internă "Nicolae Gh. Lupu" (*"Nicolae Gh. Lupu" Institute of Internal Medicine*): Bucharest, Sos. Stefan cel Mare 19-21; f. 1949; university teaching centre; library of 58,000 vols.; Dir. Prof. I. BRUCKNER; publ. *Médecine Interne* (series of *Revue Roumaine de Médecine*†, quarterly).

Institutul Cantacuzino (*Cantacuzino Institute*): 76201 Bucharest 35, Spl. Independenţei 103; f. 1921; research in the field of microbiology and parasitology; studies in epidemiology; manufacture and control of sera and vaccines; teaching centre for university and postgraduate medical education; library of 73,000 vols.; Dir. Prof. V. BÎLBÎE; publ. *Archives Roumaines de Pathologie Expérimentale et de Microbiologie*† (in French and English, quarterly).

Institutul de Neurologie şi Psihiatrie (*Institute of Neurology and Psychiatry*): Bucharest, Str. Povernei 42; f. 1950; library of 7,443 vols.; university teaching centre; Dir. Acad. A. KREINDLER; publ. *Neurologie et Psychiatrie* (series of *Revue Roumaine de Médecine*, quarterly).

Institutul Oncologic (*Institute of Oncology*): Bucharest 12, Bd. 1 Mai 11, P.O.B. 5916; f. 1949; experimental and clinical oncology and radiobiology, chemotherapy and immunotherapy; teaching centre for postgraduate education; 503 mems.; library of 41,144 vols.; Dir. Prof. O. COSTĂCHEL; publ. *Oncologia*† (4 issues a year).

Institutul "V. Babeş" (*"V. Babeş" Institute*): Bucharest 35, Spl. Independenţei 99-101; f. 1886; genetics, immunology, pathology and ultra-structure; library of 20,000 vols.; university and postgraduate teaching; Dir. Prof. IOAN MORARIU.

Institutul de Igienă şi Sănătate Publică (*Institute of Hygiene and Public Health*): Iaşi, Str. Dr. V. Babeş 14; f. 1930; environmental hygiene and pollution; working conditions in industry; experiments with pesticides, etc.; library of 35,912 vols.; Dir. Prof. GHEORGHE ZAMFIR; publ. *Morphologie et Embryologie* (series of *Revue Roumaine de Morphologie, d'Embryologie et de Physiologie*, quarterly).

Institutul de Virusologie "St. S. Nicolau" (*"St. S. Nicolau" Institute of Virology*): Bucharest, Sos. Mihai Bravu 283-285; f. 1949; library of 3,400 vols.; virological research and teaching centre for university and postgraduate education; Dir. Prof. NICOLAE CAJAL; publ. *Virologie—série de la Revue Roumaine de Médecine*† (quarterly).

Institutul pentru Controlul de Stat al Medicamentului şi Cercetării Farmaceutice (*Institute of State Control of Medicament and Pharmaceutical Research*): Bucharest, Str. Aviator Sănătescu 48; f. 1929; research on drugs; graduate and postgraduate teaching; Dir. Prof. CORNELIU BALOESCU; publ. *Drug Monitoring* (quarterly).

Academia de Ştiinţe Sociale şi Politice (*Academy of Social and Political Sciences*): Bucharest, Str. Oneşti 9-11; f. 1970; 105 full mems., 85 corresponding mems.; publs. a total of 40 reviews, bulletins, annuals, etc.

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Zaciu, M.

RESEARCH INSTITUTES ATTACHED TO THE ACADEMY OF SOCIAL AND POLITICAL SCIENCES

Centrul de Cercetări Sociologice (*Centre for Sociological Research*): Bucharest, Piaţa Romană 3; f. 1965; library of 2,500 vols.; Dir. Dr. I. Drăgan; publ. *Revue Roumaine des Sciences Sociales—Série de Sociologie, Viitorul Social* (quarterly).

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Cluj-Napoca, Str. B. Nagy Antal 2; f. 1969; Dir. Prof. I. Gliga.

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Craiova, Str. Al. I. Cuza 7; f. 1965; Dir. C. Bărbăcioru; publ. *Historica.*

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Iaşi, Str. Universităţii 16; f. 1969; Dir. Prof. I. Hagiu.

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Sibiu, Str. Octombrie Roşu 2; f. 1970; linguistics, history, history of literature, sociology; library of 4,000 vols.; Dir. Dr. I. Vesa; publ. *Forschungen zur Volks- und Landeskunde* (bi-annual).

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Tîrgu-Mureş, Str. Bolyai 17; f. 1957; research in philosophy, social and political sciences, history and history of literature, folklore and art; library of 175,000 vols.; Dir. Prof. Dr. V. Rus.

Centrul de Ştiinţe Sociale (*Centre for Social Sciences*): Timişoara, Bd. M. Viteazul 24; f. 1970; philosophy, economy, law, history, pedagogy, social psychology; 9 mems.; library of 1,040 vols.; Dir. Prof. Dr. I. Oniţă.

Comisia de Istorie a Economiei şi a Gîndirii Economice (*Commission on Economic History and Theory*): Bucharest, Calea Victoriei 125; f. 1970; Pres. Dr. G. Zane.

Comitetul National pentru Literatură Comparată (*National Committee for Comparative Literature*): Bucharest, Str. Onesti 11; f. 1970; Pres. Prof. Dr. I. Zamfirescu; Sec. Dr. Alexandru Duţu; publ. *Synthesis*† (annual).

Institutul de Arheologie (*Institute of Archaeology*): Bucharest, Str. I. C. Frimu 11; f. 1956; Dir. Prof. D. M. Pippidi; publs. *Dacia-Revue d'Archeologie et d'Histoire Ancienne* (annual), *Studii şi cercetări de istorie veche* (quarterly), *Studii şi cercetări de numismatică* (annual), *Materiale şi cercetări arheologice* (annual).

Institutul de Cercetări Economice (*Institute of Economic Research*): Bucharest, Bul. Ana Ipătescu 50; f. 1953; Deputy Dir. I. Totu; publs. *Revista Economică* (weekly), *Revue Roumaine des Sciences Sociales—série de Problèmes Économiques* (2 a year).

Institutul de Cercetări Juridice (*Institute of Juridical Research*): Bucharest, Bul. Gh. Gheorghiu-Dej 33-35; f. 1954; Dir. Prof. Gh. Moca; publs. *Studii şi cercetări juridice* (quarterly), *Revue Roumaine des Sciences Sociales—Série de Sciences juridiques* (2 a year).

Institutul de Cercetări Pedagogice şi Psihologice (*Institute of Educational and Psychological Research*): Bucharest, Str. Sfinţii Apostoli 14; f. 1975; Dir. Dr. Virgiliu Radulian; publs. *Revista de Psihologie* (quarterly), *Revue Roumaine des Sciences Sociales—Série de Psychologie*† (bi-annual), *Revista de Pedagogie* (monthly).

Institutul de Filozofie (*Institute of Philosophy*): Bucharest, Bul. Ilie Pintilie 6; f. 1948; Dir. Prof. Dr. I. Tudosescu; publs. *Revista de Filosofie* (monthly), *Revue roumaine de Philosophie et Logique—Série de Philosophie* (quarterly).

Institutul de Istorie Artei (*Institute of the History of Art*): Bucharest, Calea Victoriei 196; f. 1949; research in fine arts, folk art, theatre, music and cinematography; library of 33,000 vols.; Dir. Prof. V. Drăguţ; publs. *Studii şi cercetări de istoria artei—Revue Roumaine d'Histoire de l'Art* (annual, with 2 series, on fine arts and on theatre, music and cinema).

Institutul de Istorie "Nicolae Iorga" (*"Nicolae Iorga" Institute of History*): Bucharest, Bul. Aviatorilor 1; f. 1936; 66 mems.; library of 120,000 vols.; Dir. Prof. Dr. Stefan Stefanescu; publs. *Studii şi materiale de istorie medie*† (annual), *Studii şi materiale de istorie contemporană*† (annual), *Studii şi materiale de istorie modernă*† (annual).

Institutul de Istorie şi Arheologie (*Institute of History and Archaeology*): Cluj-Napoca, Str. Napoca 11; f. 1920; Dir. Ştefan Pascu; publ. *Anuarul.*

Institutul de Istorie şi Arheologie "A. D. Xenopol" (*"A. D. Xenopol" Institute of History and Archaeology*): Iaşi, str. Karl Marx 15A; f. 1949; Romanian and world history; Dir. Prof. M. Petrescu-Dîmboviţa; publs. *Anuarul Institutului de Istorie şi Arheologie "A. D. Xenopol"*† (annually), *Arheologia Moldovei*† (every 2 years).

Institutul de Istorie şi Teorie Literară "George Călinescu" (*"George Călinescu" Institute of Literary History and Theory*): Bucharest, Bul. Republicii 73; f. 1949; 42 mems.; library of 11,000 vols.; Dir. Prof. Dr. Zoe Dumitrescu-Busulenga; publ. *Revista de Istorie şi Teorie Literară* (quarterly).

Institutul de Stiinţe Politice şi de Studiere a Problemei Naţionale (*Institute of Political Science and Research on National Problems*): Bucharest, Str. Armata Poporului 1; f. 1971; scientific research on problems of political parties, state, international relations; library of 5,000 vols.; Dir. Prof. M. Nicolaescu; publs. *Viitorul Social*†, *Analele Academiei "Stefan Gheorghiu"*†.

Institutul de Studii Sud-Est Europene (*Institute for South-East European Studies*): Bucharest, Str. I. C. Frimu 9; f. 1963; social sciences; library of 10,000 vols.; Dir. Prof. M. Berza; publ. *Revue des études sud-est européennes*†.

Oficiul de Informare Documentara in Ştiinţele Sociale şi Politice (*Office of Information and Documentation in Social and Political Sciences*): Bucharest, Str. Mihail Moxa 3-5; f. 1970; Dir. M. Ioanid; publs. *Romanian Scientific Abstracts* (2 a year).

LEARNED SOCIETIES

Asociaţia Cineastilor din R.S.R. (*Cinema Workers' Association of the S.R.R.*): Bucharest, Bv. Gh. Gheorghiu-Dej 65; f. 1963; 902 mems.; Pres. I. POPESCU GOPO; Vice-Pres. I. GRIGORESCU, M. MUREŞAN.

Asociaţia de Drept Internaţional si Relaţii Internaţionale din R.S.R. (*Association of International Law and International Relations of S.R.R.*): Bucharest, Şos. Kiseleff 47; f. 1966; to investigate international law, the history of international relations and diplomacy of Romania, and to examine foreign policy problems today; 430 mems.; library of 4,000 vols.; Pres. Prof. TRAIAN IONASCO; Sec.-Gen. Dr. NICOLAE ECOBESCU; Scientific Dir. NICOLAE FOTINO; publ. *Revue roumaine d'etudes internationales*†.

Asociaţia Filatelistilor din R.S.R. (*Philatelists' Association of the S.R.R.*): Bucharest, Str. Boteanu 6; f. 1958; 45,000 mems.; Pres. Prof. Dr. C. DANCIU; publ. *Filatelia*† (monthly).

Asociaţia Juristilor din R.S.R. (*Jurists' Association of the S.R.R.*): Bucharest, Bv. G-ral Magheru 22; f. 1949; 14,000 mems.; Pres. Prof. Dr. C. STĂTESCU; publ. *Revista Română de Drept* (monthly).

Asociaţia Oamenilor de Arta din Instituţüle Teatrale şi Muzicale (*Theatre and Performing Artists' Association*): Bucharest, Str. Episcopiei 9; f. 1957; 8,790 mems.; Pres. C. ANTONIU.

Asociaţia Oamenilor de Ştiinţa din R.S.R. (*Scientists' Association of the S.R.R.*): Bucharest, Bd. Ana Ipătescu 29; f. 1956; Pres. (vacant); Gen. Sec. C. PENESCU.

Asociaţia Psihologilor din R.S.R. (*Asscn. of Psychologists of the S.R.R.*): Bucharest, Str. Frumoasă 26; f. 1964; Dir. Prof. AL. ROSCA.

Asociaţia Română de Ştiinţe Politice (*Romanian Association of Political Sciences*): Bucharest, Sos. Kiseleff 47; f. 1968; 300 mems.; Pres. G. MACOVESCU; Gen. Sec. I. CETERCHI.

British Council: British Embassy, 24 Strada Jules Michelet, Bucharest; Cultural Attaché M. B. L. NIGHTINGALE.

Comitetul National al Geologilor din R.S.R. (*National Council of Geologists of the S.R.R.*): Bucharest, Str. Mendeleev 36; f. 1962; Pres. D. RADULESCU; Vice-Pres. V. IANOVICI.

Comitetul National al Istoricilor din Romania (*National Committee for Historical Sciences of the S.R.R.*): Bucharest, Bd. Aviatorilor 1; f. 1955; 22 mems.; Hon. Pres. Acad. PETRE CONSTANTINESCU-IAŞI; Deputy Pres. STEFAN STEFANESCU; Secs. DAN BERINDEI, DAMIAN HUREZEANU.

Consiliul National al Inginerilor şi Tehnicienilor din R.S.R. (*National Council of Engineers and Technicians of the S.R.R.*): Bucharest, Calea Victoriei 118; f. 1881, reorganized 1962; 209 mems.; Pres. O. RUSU.

P.E.N Club: Casa Scriitorilor Mihail Sadoveanu, Bucharest, Calea Victoriei 115; Vice-Pres. EUGEN JEBELEANU, HORIA LOVINESCU.

Societatea de Ştiinţe Biologice din R.S.R. (*Society of Biological Sciences of the S.R.R.*): Bucharest, Bd. Schitu Măgureanu 9; f. 1949; 3,500 mems.; library of 5,800 vols.; Chair. NICOLAE SĂLĂGEANU; Sec. Gen. I. POPESCU.

Societatea de Ştiinţe Filologice din R.S.R. (*Society of Philological Sciences of the S.R.R.*): Bucharest, Str. Spiru Haret 12; f. 1949; language, literature, folklore and ethnography, methodology; 9 brs.; 10,000 mems.; Chair. Prof. BORIS CAZACU; Sec.-Gen. Prof. ION HANGIU; publs. *Limbă şi literatură*† (2 a year), *Studii de literatură universală*† (annual), *Limbile moderne in şcoală*† (annual), summaries in foreign languages.

Societatea de Ştiinţe Fizice şi Chimice din R.S.R. (*Society of Physical and Chemical Sciences of the S.R.R.*): Bucharest, Str. Spiru Haret 12; f. 1964; 4,544 mems.; Pres. Prof. Dr. TH. IONESCU; Gen. Sec. Prof. N. MARTALOGU; publs. *Revista de Fizică şi Chimie pentru tineret*† (monthly).

Societatea de Ştiinţe Geografice din R.S.R. (*Society of Geographical Sciences of the S.R.R.*): Bucharest, Bd. Schitu Măgureanu 9; f. 1875; 5,000 mems.; library of 3,800 vols.; Chair. I. SANDRU; Gen. Sec. I. ILIE; publs. *Terra, Bulletin*.

Societatea de Ştiinţe Geologice din R.S.R. (*Society of Geological Sciences of the S.R.R.*): Bucharest, Str. Berzei 46; f. 1930, reorganized 1968; 850 mems.; Pres. G. MURCEANU; Gen. Sec. V. LĂZĂRESCU.

Societatea de Ştiinţe Istorice din R.S.R. (*Society of Historical Sciences of the S.R.R.*): Bucharest, Str. Spiru Haret 12; f. 1949; 4,000 mems.; Chair. Acad. Prof. P. CONSTANTINESCU-IAŞI; Sec.-Gen. Prof. ION DRAGOMIRESCU; publ. *Studii şi articole de istorie* (2 a year).

Societatea de Ştiinţe Matematice din R.S.R. (*Society of Mathematical Sciences of the S.R.R.*): 79547 Bucharest, Str. Academiei 14; f. 1949; Pres. Acad. N. TEODORESCU; publs. *Bulletin Mathématique, Gazeta Matematica* (series A and B), *Matematikai Lapok* (*Cluj-Napoca*).

Societatea Naţională Română pentru Ştiinţa Solului (*Romanian National Society for Soil Research*): Bucharest, Bv. Mărăşti 61; f. 1961; soil science development and the study of practical problems concerning the use and fertility increase of soils; 600 mems.; library of 2,000 vols.; Pres. Acad. Prof. Dr. G. OBREJANU; Sec.-Gen. Dr. D. TEACI.

Societatea Numismatică Română (*Romanian Numismatic Society*): Bucharest, Str. Madrid 8 *bis*, Sect. 1; f. 1903; coins, medals, seals, decorations, banknotes, insignia, etc.; 1,200 mems.; library of 5,600 vols.; brs. in Craiova, Timişoara, Cluj, Tîrgu Mureş, Reşiţá, Îaşi, Sibiu, Constanţa, Arad; Pres. Acad. EMIL CONDURACHI; Vice-Pres. OCTAV LUCHIAN, OCTAVIAN ILIESCU; Sec.-Gen. GEORGE BUZDUGAN; publ. *Buletinul Societăţii Numismatice Române*† (annual).

Societatea Română de Lingvistică (*Romanian Society of Linguistics*): Bucharest, Calea Victoriei 194; f. 1970; Pres. Prof. I. FISCHER; Sec. A. ROSETTI.

Uniunea Arhitectilor din R.S.R. (*Architects' Union of the S.R.R.*): 70109 Bucharest, Str. Academiei 18-20; f. 1952; affiliated to the Int. Union of Architects; 2,400 mems.; library of 13,000 vols.; Pres. Dr. CEZAR LĂZĂRESCU; publ. *Arhitectura* (bi-monthly).

Uniunea Artistilor Plastici din R.S.R. (*Artists' Union of the S.R.R.*): Bucharest, Str. Nicolae-Iorga 42; f. 1950; 1,430 mems.; Hon. Pres. Acad. I. JALEA; Pres. I. IRIMESCU; publ. *Arta*.

Uniunea Compozitorilor din R.S.R. (*Composers' Union of the Socialist Republic of Romania*): Bucharest I, Str. Constantin Esarcu 2; f. 1920, reorganized 1949; 330 mems.; library of 47,000 vols.; Pres. PETRE BRÂNCUSI; publ. *Muzica* (monthly).

Uniunea Scriitorilor din R.S.R. (*Writers' Union of the S.R.R.*): Bucharest, Calea Victoriei 115; f. 1949; Pres. GEORGE MACOVESCU; publs. *România Literară*†, *Luceafărul*†, *Viaţa Românească*†, *Secolul 20*†, *Steaua*†, *Convorbiri literare*†, *Orizont*†, *Utunk*†, *Igaz Szó*†, *Neue Literatur*†, *Knijevni Jivot*†.

Uniunea Societatilor de Ştiinţe Medicale din R.S.R. (*Union of Societies of Medical Sciences of the S.R.R.*): Bucharest, Str. Progresului 8-10; f. 1877; Pres. Prof. MARIN VOICULESCU; Exec. Sec. Prof. EMANOIL POPESCU; publ. *Viata Medicală* (monthly).

Society of Anaesthesiology and Intensive Care: f. 1973; Pres. Dr. ZOREL FILIPESCU; Sec. Dr. RADU SIMIONESCU.

Society of Cardiology: f. 1947; Pres. Acad. AUREL MOGA; Sec. Dr. POMPILIU POPESCU.

Society of Dermatology: f. 1928; Pres. Dr. AL. DIMITRESCU; Sec. Dr. P. VULCAN; publ. *Dermato-Venerologia* (quarterly).

Society of Endocrinology: f. 1918; Pres. Acad. ŞTEFAN MILCU; Sec. Dr. C. TASCA.

Society of Forensic Medicine: f. 1973; Pres. Prof. MOISE TERBANCEA; Sec. Assoc. Prof. VLADIMIR BELIS.

Society of Gastro-Enterology: f. 1959; Pres. Prof. L. BERINDEI (acting); Sec. Dr. BENEDICT GHEORGHESCU.

Society of General Medicine: f. 1961; Pres. Prof. GH. PANAITESCU; Secs. Dr. M. RĂDULESCU, Dr. MIRCEA ANGELESCU.

Society of Gerontology: f. 1956; Pres. Prof. ANA ASLAN; Sec. Dr. C. DAVID.

Society of Histochemistry and Cytochemistry: f. 1964; Pres. Prof. V. PREDA; Sec. Dr. D. ONICESCU.

Society of the History of Medicine and Pharmacy: f. 1929; Pres. Prof. Dr. B. DUTESCU; Sec. Dr. N. MARCU.

Society of Hygiene and Public Health: f. 1949; Pres. Prof. Dr. P. MANU; Sec. Dr. T. NICULESCU; publ. *Igiena* (quarterly).

Society of Infectious Diseases, Parasitology and Epidemiology: f. 1955; Pres. Prof. MARIN VOICULESCU; Sec. Dr. LUDOVIC PĂUN; publs. *Bacteriologia, Virusologia, Parazitologia, Epidemiologia* (quarterly).

Society of Internal Medicine: f. 1919; Pres. Prof. I. BRUCKNER; Sec. Dr. RUDOLF GEIB; publ. *Medicina Interna* (every 2 months).

Society of the Middle Sanitary Staff: f. 1949; Pres. GABRIELA BOCEC-STOIAN; Secs. ELENA BELCHIŢÂ, LIVIA OGLEJAN, GH. RAICUS; publ. *Viaţa Medicală* (monthly).

Society of Military Medicine and Pharmacy: f. 1900; Pres. Col. Dr. ALEX. GR. POPESCU; Sec. Col. Dr. AUREL NICOLAU; publ. *Revista Sanitara Militara* (quarterly).

Society of Neurology and Neurosurgery: f. 1918; Pres. Prof. VLAD VOICULESCU; Sec. Dr. I. STAMATOIU; publs. *Neurologia, Psihiatria, Neurochirurgia* (quarterly).

Society of Normal and Pathological Morphology: f. 1900; Pres. Acad. V. MÂRZA; Sec. Dr. AL. ESKENASY.

Society of Obstetrics and Gynaecology: f. 1900; Pres. Prof. Dr. PANAIT SÎRBU; Sec. Dr. GH. TEODORU; publ. *Obstetrica şi Ginecologia* (quarterly).

Society of Oncology: f. 1928; Pres. Prof. O. COSTĂCHEL; Sec. Dr. I. POPP; publ. *Oncologie* (quarterly).

Society of Ophthalmology: f. 1922; Pres. Prof. Dr. M. DAVID; Sec. Dr. MIRCEA OLTEANU; publ. *Oftalmologia* (quarterly).

Society of Orthopaedics and Traumatology: f. 1935; Pres. Prof. AUREL DENISCHI; Sec. Dr. OLEG MEDREA.

Society of Oto-Rhino-Laryngology: f. 1908; Pres. Prof. S. GÂRBEA; Sec. Dr. EMIL CADARIU; publ. *Oto-Rino-Laringologie* (quarterly).

Society of Paediatrics: f. 1925; Pres. Prof. RĂSVAN PRIŞCU; Sec. Dr. T. POPESCU; publ. *Pediatrie* (quarterly).

Society of Pharmacy: f. 1880; Pres. Prof. P. IONESCU-STOIAN; Sec. Prof. I. CIULEI; publ. *Farmacia* (quarterly).

Society of Pneumology and Phthisiology: f. 1930; Pres. Prof. C. ANASTASATU; Sec. Dr. EUGENIA ALBULESCU; publ. *Pneumo-ftiziologie* (quarterly).

Society of Physical Medicine, Balneoclimatology and Medical Rehabilitation: f. 1922; Pres. Prof. TR. DINCULESCU; Sec. Dr. G. GEORGESCU.

Society of Physiology: f. 1949; Pres. Prof. P. GROZA; Sec. Dr. ELVIRA MIULESCU.

Society of Psychiatry: f. 1918; Pres. Prof. V. PREDESCU; Sec. Dr. ŞT. MILEA.

Society of Radiology, Radiobiology and Nuclear Medicine: f. 1924; Pres. Prof. I. BÂRZU; Sec. Dr. I. TUDOSIU; publ. *Radiologie* (quarterly).

Society of Sports Medicine: f. 1932; Pres. Prof. A. DEMETER; Sec. Dr. I. DRĂGAN.

Society of Stomatology: f. 1938; Pres. Prof. LUCIAN ENE; Sec. Prof. C. BURLIBAŞA; publ. *Stomatologie* (quarterly).

Society of Surgery: f. 1898; Sec. Prof. DAN SETLACEC; publ. *Chirurgie* (every 2 months).

Uniunea Ziariştilor din R.S.R. (*Journalists' Union of the S.R.R.*): Bucharest, Calea Victoriei 163; f. 1955; 3,500 mems.; Pres. N. IGNAT; publs. *Presa noastră*† (Our Press), *Lumea* (The World).

RESEARCH INSTITUTES AND DOCUMENTATION CENTRES

(*see also under Academies of the S.R.R.*)

Centrul de Cercetări Biologice Cluj-Napoca (*Biological Research Centre*): 3400 Cluj-Napoca, Str. Republicii 48; f. 1958; controlled by the Ministry of Education; library of 8,010 vols., 7,889 periodicals; Dir. Prof. Dr. V. PREDA.

Centrul de Cercetări Biologice Iaşi (*Biological Research Centre*): Iaşi, August nr. 11; f. 1967; controlled by the Ministry of Education; Dir. Prof. Dr. Doc. C. C. ZOLYNEAK.

Centrul de Cercetări Tehnice şi Fizice Iaşi (*Technical and Physical Research Centre*): Iaşi, Str. Spital Paşcanu 4; f. 1951; research in heat and mass transfer, magnetism and metal physics; library of 42,982 vols.; Dir. Prof. Ing. I. CURIEVICI.

Centrul de Studii şi Cercetări de Istorie şi Teorie Militară (*Centre for Studies and Research in Military History and Theory*): Bucharest, Calea 13 Septembrie 16-18, sectorul 6; f. 1969; research on Romania's military history and problems of military doctrine and theory; Dir. Maj.-Gen. E. BANTEA.

Institutul Central de Cercetări Chimice—Oficiul de Informare Documentară pentru Industrie Chimică (*Central Institute for Chemical Research—Office for Documentary Information in the Chemical Industry*): Calea Plevnei 139, Section 7, Bucharest; f. 1956; disseminates national and foreign documentation; central library of 50,000 vols.; Dir. Eng. MAIA RUXANDA BAYER; publs. *Revista de Chimie*† (The Chemical Review), *Materials Plastice*† (Plastics).

Institutul de Cercetare şi Proiectare pentru Sistematizare Locuinţe şi Gospodărie Comunală (*Institute of Research and Design for Physical Planning, Housing and Communal Management*): Bucharest, Str. Snagov 53-55; f. 1949; research and standard building design for territory, buildings, sewerage, water supply, sanitation, communal management; Dir. Eng. ADRIAN ALEXANDRESCU; publ. *ISLGC—"b.d.i."* (Bulletin of Documentation and Information).

Institutul National de Informare şi Documentare (*National Institute for Information and Documentation*): Bucharest, Str. Cosmonauţilor 27-29, Sector 1, of. postal 22; library: *see* Libraries; Dir. Ing. Gh. Anghel; publs. *Information science manuals and data banks, Abstracts of Romanian Technical Literature*† (in English, French, Russian and Romanian), *Probleme de Informare şi documentare* (Information and Documentation Problems, in English and Romanian).

Institutul de Cercetări Ştiinţifice pentru Protecţia Muncii (*Scientific Research Institute for Labour Safety*): Bucharest, Str. Gral. Budişteanu 15; fundamental and applied studies and research in labour safety; library of 10,000 vols. and journals; Dir. Eng. V. Caracudovici.

Institutul de Studii Istorice şi Social-Politice de pe Lînga Comitetul Central al Partidului Comunist Român (*Institute of Historical, Social and Political Studies of the Central Committee of the Romanian Communist Party*): Bucharest, Str. Ministerului 4; f. 1951; research on the history of the working class, of the democratic and revolutionary movement in Romania; history of the Romanian Communist Party, of other parties and working class revolutionary organizations; Dir. I. Popescu-Puţuri; publs. *Anale de istorie*† (every 2 months), the collection *Biblioteca de istorie*†, the collection *Evocări*† (both published jointly with Editura politică), *Magazin Istoric*† (monthly).

Centrul de Studii şi Cercetări pentru Planificare (*Centre for Studies and Research in Planning*): Bucharest, Calea Victoriei 152; f. 1970; elaboration of studies and forecasts intended to indicate alternatives for the long-term development of the national economy, perfecting of methods and techniques in planning; Dir. T. Melinte; publs. *Conjunctura economiei mondiale* (annual), *Piaţa internaţională* (daily).

Institutul Central de Fizică (*Central Institute of Physics*): Bucharest-Măgurele 76900, Sect. 6, P.O.B. 5206; f. 1956; library of 290,000 vols.; Dir. Gen. Dr. M. Ivaşcu; publs. *Studii şi Cercetări de Fizică*†, *Revue Roumaine de Physique*†, *ICEFIZ-Preprints*†, *Conference Proceedings*†.

Institutul de Economie Mondiala (*Institute of World Economy*): Bucharest, Bd. Republicii 12; f. 1967; international market research and elaboration of marketing studies and general economic problems, up-to-date information supplied to economic organizations for foreign trade; library of 10,000 vols. and 400 periodicals; Dir. Acad. C. Murgescu; publs. *Conjunctura economiei mondiale* (annual), *Piaţa internaţională* (daily).

Institutul de Medicină Legală "Prof. Dr. Mina Minovici" (*"Prof. Dr. Mina Minovici" Medico-Legal Institute*): Bucharest, Str. Cáuzaşi 9; f. 1892; forensic medicine and criminology; library of 10,353 vols. and 4,636 periodicals; Dir. Prof. Dr. M. Terbancea; publ. *Problems of Forensic Medicine and Criminalistics.*

Institutul de Cercetări Etnologice şi Dialectologice (*Institute of Ethnological and Dialectological Research*): Bucharest, Str. Nikos Beloiannis 25; f. 1949; 182 mems.; research in folk culture; library of 40,000 vols.; Dir. N. Nistor; publs. *Revista de etnografie şi folclor*† (2 a year).

Institutul de Geologie şi Geofizică (*Institute of Geology and Geophysics*): Bucharest, Str. Caransebeş 1; f. 1906; reorganized 1960, 1974; controlled by the Ministry of Mining, Petroleum and Geology; museum and library of 50,000 vols.; Dir. Iosif Bercia; publs. *Annuaire, Mémoires, Comptes Rendus des séances, Studii tehnice şi economice* (Technical and Economic Papers) in ten series, *Bibliografii geologice, Hărţi geologice, geofizice* (geological and geophysical maps), etc.

Institutul de Meteorologie şi Hidrologie (*Institute of Meteorology and Hydrology*): Bucharest, Şos. Bucuresti Ploieşti 97; f. 1884; Dir. N. Ciovică; publs. include: daily and monthly weather reports, *Studii şi Cercetări*† (in 2 parts: Meteorology, Hydrology, 1 vol. annually), *Meteorology and Hydrology Journal*†. (bi-annual), *Bibliografia hidrologică—Hydrological Bibliography*† (annual), *Bibliografia meteorologică—Meteorological bibliography*† (annual).

Institutul Naţional de Metrologie (*National Institute of Metrology*): Bucharest, Şos. Vitan-Bîrzeşti 11, sectorul 5; f. 1951; Dir. I. Iscrulescu; publ. *Metrologia aplicată*† (quarterly).

Institutul Central de Perfecţionare a Personalului Didactice (*Central Institute for the Inservice Training of Teachers*): Bucharest, Soseaua Panduri 90; f. 1952; post-graduate courses for general and secondary school teachers; 337 mems.; library of 242,400 books; Rector Dimitrie Todoran.

Institutul Român de Cercetări Marine (*Romanian Institute of Marine Research*): Constanţa, Bd. Lenin 300, P.O.B. 53; f. 1970; oceanography, marine biology, fishing; 90 scientific staff; library of 18,000 books and periodicals; Dir. Eng. Constantin Tomescu; publ. *Cercetări marine* (bi-annual).

Institutul Român pentru Relaţiile Culturale cu Străinătatea (*Romanian Institute for Cultural Relations with Foreign Countries*): R79631 Bucharest, Str. M. Eminescu; Sec. Ioan Botar.

Laboratorul de Cercetări Masini Hidraulice, Timişoara (*Laboratory of Hydraulic Machine Research*): Timişoara, Bd. Mihai Viteazul 1; f. 1951; controlled by the Ministry of Education; Dir. Acad. I. Anton.

Muzeul, Herbarul şi Grădina botanică (*Institute of Botany*): Cluj-Napoca University, Str. Republicii 42, Cluj-Napoca; f. 1920; Dir. Prof. Dr. Onoriu Raţiu; publs. *Contribuţii botanice, Flora Romaniae Exsiccata, Delectus seminum.*

Oficiul de Informare Documentară pentru Construcţii, Arhitectură şi Sistematizare (*Documentation and Information Office for Building, Architecture and Town Planning*): Bucharest, Bulevardul 1848 10; f. 1957; prepares and disseminates documentary materials; library of 54,450 vols. and 350 current periodicals; exhibitions of the building industry; Dir. Aurelia Dobrescu.

Oficiul de informare documentară pentru energetică (*Energy Information and Documentation Office*): 70016 Bucharest, Str. Doamnei 14-16, Sector 4; f. 1966; library of 17,000 vols.; Dir. M. David; publs. *Energetică*† (monthly) and several information works.

Oficiul de Informare şi Documentare pentru Invatamint (*Office of Documentary Information in Education*): Bucharest, Str. Nuferilor 30; f. 1961; information and documentation on teaching and educational management; information for specialists abroad on scientific research and information science problems; Head Constantin Mătuşoiu; publs. include: *Educaţie-învăţămint* (irregular), *Studii şi cercetări de documentare* (quarterly).

LIBRARIES

Bucharest

Archivele Statului (*State Archives*): Bucharest, Bul. Gheorghe Gheorghiu-Dej 29; f. 1831; 220,000 medieval documents, 22,000 seals, 4,500 manuscripts, 14,000 plans and maps; documentary libraries; Gen. Dir. Ionel Gal; publ. *Revista Arhivelor* (quarterly).

Biblioteca Academiei Republicii Socialiste România: Bucharest, Calea Victoriei 125; f. 1867; 7,760,000 items; legal national deposit for all Romanian and UN publs.; national retrospective bibliography; special collections include Romanian, Greek, Slavonic, Oriental and Latin manuscripts, maps, engravings, old Romanian, Slavonic and Greek documents, medals and coins; co-ordinating centre for exchange of publs. between the Academy and the Academies of Social and Political Sciences and Medicine; Dir. Prof. JEAN LIVESCU; publs. *Studii şi Cercetări de Bibliologie*, *Cărti Străine intrate in Bibliotecile din România* (monthly), *Cărti recent intrate în bibliotecă* (monthly), bibliographies.

Biblioteca Centrală: Academia de Studii Economice: Bucharest, Str. Piaţa M. Romană 6 Sectorul 1; f. 1913; 724,000 vols.; special collection in economic sciences; Chief Librarian PETRE MAREŞ.

Biblioteca Centrală a Academiei de Stiinţe Agricole şi Silvice (*Central Library of the Academy of Agricultural and Forestry Sciences*): Bucharest, Bul. Mărăşti 61; f. 1928; 91,550 books, 7,140 periodicals; publs. *Bibliografia agricolă curentă română* (quarterly), *Noutăţi documentare F.A.O.* (monthly), *Cărţi străine intrate în bibliotecile din România—seria Agricultură* (monthly).

Biblioteca Centrală a Institutului Agronomic "Nicolae Bălcescu" (*Central Library of the "Nicolae Bălcescu" Agronomic Institute*): Bucharest, Bd. Mărăşti 59; f. 1948; 437,000 vols. on agronomy, horticulture, animal husbandry, land reclamation; Chief Librarian TEODORA COCIU.

Biblioteca Centrală de Stat (*Central State Library*): Bucharest, Str. Ion Ghica 4; f. 1955; 7,001,494 vols. and periodicals; important collections of MSS., musical works, photographs, maps, prints and drawings; acts as Copyright Deposit, establishing statistics of national production of books and other materials, as Centre of Bibliographical Information, as Research Centre for librarianship and book pathology and restoration, as Documentation Centre in cultural politics, education, theatre, music, fine arts, literature, museums, monuments and publishing activity, as Centre of Methodological Guidance carrying out research into the place of libraries in society and the sociology of reading, library organization and the methodology of book dissemination, as National Exchange Centre and as National Centre for the Distribution of Duplicates; Dir. Prof. ANGELA POPESCU-BRADICENI; publs. *Bibliografia Republicii Socialiste România* (3 series, quarterly), *Catalogul colectiv al cărţilor străine intrate in bibliotecile din România*, *Repertoriul periodicelor străine intrate în bibliotecile din România* (annually), *Cărti străine intrate în bibliotecile din România* (monthly), *Buletin de informare in bibliologie*, *Revista de referate in bibliologie* (quarterly), *Aniversări culturale*, *Repertoriul bibliografiilor republicate* (annually).

Biblioteca Centrală Medicală (*Central Medical Library*): Bucharest, Splaiul Independenţei 48; f. 1951; *c.* 500,000 vols.; publs. *Medical Bibliographical Bulletin*, *Current Union Catalogue of Foreign Books: Medicine*, *Information Médicale Roumaine*, etc.

Biblioteca Centrală Pedagogică: Bucharest, Str. Zalomit 12; f. 1949; 282,000 vols.; Dir. ALFRED LAUTERMAN; publs. *Modernizarea învăţămîntului* (*c.* 6 a year), *Bibliographia pedagogică*†.

Biblioteca Centrală Universitară (*Central University Library*): Bucharest, Str. Oneşti 1, Cod 70119; f. 1895; reorganized 1948; 2,400,000 vols., incorporating a central library (f. 1891) and 26 branch, institute and student hostel libraries; Dir. Prof. CONSTANTIN NUŢU; publs. *Cărţi străine intrate în bibliotecile din România: Seria Educaţie Invăţămînt* (Foreign Books, Acquired by the S.R.R. Libraries: Education, Teaching series, quarterly), *Din sumarul periodicelor străine: Filosofie, Ştiinţe sociale, Istorie* (Selected summary of foreign periodicals: Social Sciences, Philosophy, History every 2 months), *Drept* (Law monthly), guide books and bibliographical researches.

Biblioteca Comitetului de Stat al Planificarii (*Library of the State Committee of Planning*): Bucharest, Cal. Victoriei nr. 152; 71,082 vols. mainly on economic sciences, politics, natural sciences.

Biblioteca Conservatorului "Ciprian Porumbescu": Bucharest, Str. Stirbei Vodă 33; f. 1864, reorganized 1948; 186,380 musical works, including 43,877 vols., 114,312 scores, 8,823 recordings, 8,765 tapes, 8,894 periodicals, 1,679 rarities, scores and MSS.; Dir. IENCIU VERONA.

Biblioteca Documentară a Direcţiei Generale a Arhivelor Statului (*Documentary Library of the Central Office of State Archives*): Bucharest, Bul. Gheorghe Gheorghiu-Dej 29; f. 1862; 105,000 vols.

Biblioteca Documentară de Istorie a Medicinei (*Documentary Library of the History of Medicine*): Bucharest, Str. Dr. Leonte 1-3; f. 1953; 36,000 books, 1,100 periodicals, 3,500 MSS. and documents, 5,200 museum pieces, medals, etc.; comprehensive collection of ancient medical books; Dir. Prof. MARIOARA GEORGESCU; publs. *Iconografia medicală românească*, *Studii şi cercetări de istoria medicinei*.

Biblioteca Institutului National de Informare şi Documentare (*Library of the National Institute for Information and Documentation*): I.N.I.D., Bucharest, Str. Cosmonauţilor 27-29, Sector 1, of. postal 22; f. 1949; 130,000 books, 100,000 periodicals.

Biblioteca Institutului de Arte Plastice "N. Grigorescu" (*Library of the "N. Grigorescu" Institute of Fine Arts*): Bucharest, Str. Dr. Sion 2-4; f. 1864; 149,109 books and periodicals; Dir. CEZARA MUCENIC; publs. *Studii şi cercetări de istoria artei*†, *Revue Romaine de l'Histoire de l'Art*.

Biblioteca Institutului Medico-Farmaceutic (*Library of the Medical and Pharmaceutical Institute*): Bucharest, Bv. Dr. Petru Groza 8; f. 1857; central library and 118 branches; 808,623 books and 8,664 periodicals; Dir. Dr. T. PRODAN.

Biblioteca Institutului Politehnic "Gheorge Gheorghiu-Dej" Bucureşti: Bucharest, Calea Griviţei 132; f. 1868; 1,250,000 books and periodicals; Dir. VORONCA LIVIU; publ. *Buletinul*†.

Biblioteca Municipala "Mihail Sadoveanu": Bucharest 1, Str. Nikos Beloiannis 4; f. 1935; 1,100,000 vols.; Dir. A. HOAJA; publ. *Bibliografia oraşului Bucureşti* (quarterly).

PROVINCIAL LIBRARIES

(in alphabetical order by town)

Biblioteca Batthyaneum: Alba Iulia, Str. Bibliotecii 1; f. 1794; 61,747 vols.; collection of MSS. dating from the 8th century; 569 incunabula, documents, rare books; important mineralogical and numismatic collection; astronomy observatory of 18th century; Dir. CHRISTINA BICĂ.

Biblioteca Judeţeană Arad: Arad, Piaţa George Enescu 1; f. 1888; 264,220 books, Romanian and foreign periodicals; rare and ancient books about history of Romanian people; Dir. C. IONUTAS.

Biblioteca Judeţeană Bacău: Bacău, B-dul 6 Martie 1; f. 1950; 200,372 vols. and periodicals; Dir. R. STOIAN.

Biblioteca Judeţeană Braşov: Braşov, Bd. Gh. Gheorghiu-Dej 35; f. 1926; 315,000 vols., including MSS. and ancient Romanian books; recordings, albums, maps; Dir. MARIA LAMBUCĂ.

Biblioteca Centrală a Universitatii din Braşov (*University of Braşov Library*): 2200 Braşov, Bul. Gheorghe Gheorghiu-Dej 3; f. 1948; 475,000 vols. mainly on technological, forestry, wood industry, chemistry, physics, mathematics, informatics, music, economic and political subjects; Dir. Dr. Eng. AUREL NEGRUŢIU; publs. *Buletin Bibliografic*† (2 a year), Bibliography† (irregular).

Biblioteca Centrală Universitară Cluj-Napoca: 3400 Cluj-Napoca, Str. Clinicilor 2; f. 1872; 2,912,325 vols.; depts. of old Romanian prints, art, archaeology, maps, MSS., incunabula and music; Dir. Prof. C. NEGULESCU; publs. *Bibliographical Indexes.*

Biblioteca Filialei Cluj-Napoca a Academiei Republicii Socialiste România (*The Library of the Cluj-Napoca Branch of the Academy of the R.S.R.*): Cluj-Napoca, Str. M. Kogălniceanu 12-14; f. 1950; 600,000 books and periodicals from the field of the humanities and science; old and rare books; 170 incunabula; special collections include Romanian, Latin, Hungarian, Slavonic MSS.; 10,000 vols. orientalia; 2,000,000 documents; Dir. Acad. Prof. STEFAN PASCU.

Biblioteca Documentară "Timotei Cipariu" (*"Timotei Cipariu" Documentary Library*) (branch of the Library of the Cluj-Napoca branch of the Academy of the R.S.R.): Blaj, Str. Armata Roșie 2; f. 1754; 20,000 vols. in humanities, sciences, rare and ancient books about history of the Romanian people, including Romanian and foreign periodicals, microfilms.

Biblioteca Documentară Năsăud (*The Năsăud Documentary Library*): (branch of the Library of the Cluj-Napoca branch of the Academy of the R.S.R.); Năsăud, Republicii 41; f. 1931; 45,000 vols.

Biblioteca Institutului Medico-Farmaceutic: Cluj-Napoca, Piaţa Libertăţii 10; f. 1775; 274,406 books and periodicals; 48 brs.; Dir. I. CONDOR; publ. *Clujul Medical*† (quarterly).

Biblioteca Institutului Politehnic: Cluj-Napoca, Str. Emil Isac 15; f. 1884, reorganized 1948; 312,438 vols.; mainly on mechanical, electrotechnical and building subjects; Dir. T. MIHĂILESCU.

Biblioteca Județeană Cluj-Napoca: Cluj-Napoca, Piaţa Ştefan cel Mare 1; f. 1950; 194,000 vols. and periodicals; Dir. V. TURDEANU.

Biblioteca Judeţeană Constanţa: Constanţa, B-dul Republicii 7 bis; f. 1931; 296,892 Romanian and foreign vols. and publications; Dir. D. CONSTANTIN-ZAMFIR; publ. *Bibliografia Dobrogei*† (annual).

Biblioteca Centrală Universitară: Craiova, Str. Al. I. Cuza 13; f. 1966; 593,000 vols.; Dir. EUGENIA TATOMIRESCU.

Biblioteca Judeţeană Dolj: Craiova, Str. M. Kogălniceanu 9; f. 1908; 300,000 vols. including MSS., 16th- and 17th-century rare and ancient books; Dir. Prof. TUDOR NEDELCEA.

Biblioteca Județeană Mehedinți: Drobeta-Turnu Severin, B-dul Republicii 2; f. 1921; 117,000 vols., rare and ancient books; Dir. V. PÎRVĂNESCU.

Biblioteca Judeţeană Vrancea: Focşani, Str. M. Kogălniceanu 12; f. 1910 by Putna Student's Circle; 110,000 vols.; Dir. Prof. VICTOR RENEA.

Biblioteca Judeţeană "V. A. Urechia": Galaţi, Str. Mihai Bravu 16; f. 1890; 365,741 vols., 3,629 prints and designs, 1,467 MSS., 600 maps, 11 incunabula, 407 documents, 375 microfilms and 3,802 records; Dir. N. OPREA.

Biblioteca Centrală Universitară "M. Eminescu": Iaşi, Str. Păcurari 4; f. 1839; *c.* 1,990,000 vols. and *c.* 1,260 Romanian MSS., especially Byzantine, Greek and Romanian; Dir. Dr. MIHAI BORDEIANU.

Biblioteca Institutului Medico-Farmaceutic: Iaşi, Str. Vasile Alecsandri 7; f. 1884; central library with 69 brs.; 282,555 vols.; Dir. MIHAI LIŢU; publ. *Buletin Bibliografic*† (monthly).

Biblioteca Institutului Politehnic Iaşi: Iaşi, Str. 23 August 11; f. 1937; 383,435 books, microfilms, standards, 5,260 periodicals; Dir. LIVIA VLAD.

Biblioteca Judeţeană "Gh-Asachi": Iaşi, Str. Palatului 1; f. 1920; destroyed during World War II and re-established 1950; 369,500 vols., periodicals and microfilms; 5,672 records; Dir. Prof. CONSTANTIN GÎLEA; publs. *Bibliographical Bulletin* (monthly), *Regional Bibliography*, catalogues.

Biblioteca Judeţeană-Bihor: Oradea, Piaţa Victoriei 3; f. 1950; 340,782 vols. and periodicals, MSS., maps; Dir. TRAIAN BLAJOVICI.

Biblioteca Judeţeană Argeš: Piteşti, Str. Victoriei 8; f. 1950; 212,784 vols. and periodicals; Dir. S. VOINESCU.

Biblioteca Judeţeană "N. Iorga" Ploieşti: Ploieşti, Str. N. C. Krupskaia 1; f. 1921; 196,000 vols. and periodicals; Dir. G. MAXÎN.

Biblioteca Judeţeană "Astra" Sibiu: Sibiu, Str. Gh. Bariţiu 5; f. 1861; 372,000 books and periodicals; valuable collections of old Romanian books and periodicals; 6,500 documents and MSS.; 5,700 iconographies; Dir. Prof. IOAN HOLHOŞ.

Biblioteca Muzeului Brukenthal: Sibiu, Piaţa Republicii 4; f. by Samuel de Brukenthal (1721-1803), Governor of Transylvania; 260,401 vols., mainly scientific books, among them 382 incunabula, and MSS., maps, recordings; is now the property of the State; Dir. Dr. C. IRIMIE.

Biblioteca Judeţeană Suceava: Suceava, Str. V. I. Lenin 4; f. 1920; 160,000 vols. and periodicals; Dir. N. CHIRCA.

Biblioteca Centrală Universitară: 1900 Timişoara, Bv. V. Pârvan 4; f. 1948; 360,000 books and 68,000 periodicals; Dir. T. KNEZEVIČ.

Biblioteca Judeţeană Timiş: Timişoara, Piata Libertăţii 3; f. 1904; 493,498 books, periodicals and MSS.; Dir. M. IANCULESCU.

Biblioteca Judeţeană Mureş: Tîrgu-Mureş, Str. Enescu 2; f. 1913; 361,181 vols., 5,000 periodicals; Dir. ROMEO POJAN.

Biblioteca Teleki-Bolyai: Tîrgu Mureş, Str. Bolyai 17; f. 1802 by the Chancellor Sàmuel Teleki; 200,000 vols.; natural and social science works and representative books of the 16th, 17th, 18th and 19th centuries, including incunabula and MSS.; Dir. S. ERDÉLYI.

MUSEUMS AND ART GALLERIES

BUCHAREST

Colecţia "Ion Minulescu": Bucharest. Bul. Gh. Marinescu 1; collection of the poet Ion Minulescu and his wife, the writer Claudia Millian.

Muzeul de Artă Plastică "Fr. Storck şi C. Cuţescu Storck": Bucharest, Str. Vasile Alecsandri 16; sculptures by Frederic Storck and paintings by Cecilia Cuţescu-Storck (his wife), and their own collections; also sculptures by Karl Storck (his father) and Carol Storck (his brother); Keeper GABRIELA STORCK.

Muzeul Theodor Aman: Bucharest, Str. C. A. Rosetti 8; f. 1908; paintings by Theodor Aman; Curator THEODOR SIMIONESCU.

Muzeul de Artă al R.S.R.: Bucharest, Str. Ştirbei Vodă 1; f. 1950; consists of six sections: (i) the National Gallery containing national, old Romanian, modern and contemporary works of art; (ii) the Universal Gallery, containing paintings, sculptures, European decorative arts and Oriental art; (iii) Graphic art and prints; (iv) Restoration; (v) Public Relations and Guidance; (vi) Office of National Cultural Patrimony; Dir. Prof. Dr. ALEXANDER CEBUC; publ. *Studii Muzeale*†.

Muzeul de Artă Feudală D. Minovici: Bucharest, Str. Dr. N. Minovici 3; foreign decorative art collections; Curator GH. MINOVICI.

Muzeul de Artă Populară al R.S.R.: Bucharest, Calea Victoriei 107; f. 1874; Romanian and foreign folk art including clothing, occupations, trades, customs, etc.; also photographic and folk archives; library of 12,000 vols.; Dir. Tancred Bănăţeanu; publ. *Studii şi cercetări de etnografie şi artă populară.*

Muzeul de Istorie a Municipiului Bucureşti (*Historical Museum of Bucharest*): Bucharest, Bd. 1848 2; f. 1921, reorganized 1959; collections representing the most important moments in the history of the capital, documents, works of art, etc.; library of 35,000 vols.; Dir. Prof. P. Dache; publ. *Bucureşti Materiale de istorie şi muzeografie, vol. I-IX* (Bucharest Historical and Museological Works, vol. I-IX); affiliated museums:

Colecţia "Maria şi dr. G. Severeanu": Str. I. C. Frimu 26; Greco-Roman antiquities.

Expoziţia de Numismatică: Bd. Ana Ipătescu 21; numismatics.

Muzeul Curtea Veche: Str. 30 Decembrie 25-31; f. 1972; first royal residential palace in Bucharest.

Muzeul Stiinţelor Experimentale-Observatorul Astronomic Popular: Bd. Ana Ipătescu 21.

Muzeul de Istorie a Partidului Comunist, a Mişcării Revoluţionare şi Democratice din România (*Museum of the History of the Communist Party, of the Revolutionary and Democratic Movement in Romania*): Bucharest, Şos. Kiseleff 3; f. 1948; 9,000 exhibits; library of 16,000 vols.; Dir. N. Cioroiu.

Muzeul de Istorie al R.S.R. (*The History Museum of the S.R.R.*): Bucharest, Calea Victoriei 12; f. 1968; attached to the Academy of Social and Political Sciences; history of the Romanian people, with collections of archaeology, documents, costumes, coins, etc.; library of 25,000 vols.; Dir. Prof. Dr. Florian Georgescu; publ. *Muzeul Naţional*† (annual).

Muzeul de Istorie Naturală "Grigore Antipa": 71268 Bucharest, Soseaua Kiseleff 1; f. 1834; zoology, oceanography, palaeontology; 26,457 books, 1,464 periodicals; Dir. Dr. Mihai C. Bacescu; publ. *Travaux du Muséum d'Histoire Naturelle "Gr. Antipa"*† (annually).

Muzeul Literaturii Române: Bucharest, Str. Fundaţiei 4; f. 1957; history of Romanian literature; library of 30,000 vols. and 15,000 manuscripts and photographs; Dir. A. Oprea; publ. *Manuscriptum* (quarterly review).

Muzeul memorial George Enescu (*George Enescu Museum*): Bucharest, Calea Victoriei 141; f. 1956; permanent exhibition; organizes conferences, recitals, etc., and research in the life and work of the composer; library of 320 vols.; Dir. R. Drăghici.

Muzeul Militar Central (*Central Military Museum*): Bucharest 76111, Str. Izvor 137; f. 1923; the evolution of weapons and fortifications; displays of documents, photographs, weapons, costumes, medals; Dir. Gen. C. Antip; publs. Studies and materials of museography and military history.

Muzeul Satului (*Village Museum*): Bucharest, Şoseaua Kiseleff 28-30; f. 1936; an ethnographic open-air museum, containing exhibits of folk art, including architecture, interiors of country dwelling houses, with farm buildings, technical machinery, etc., representing village life from 17th to 20th centuries, total of about 25,000 pieces; Dir. Dr. Gh. Focşa.

Muzeul Sporturilor: Bucharest, B-dul Muncii 37-39; f. 1971; Dir. N. Postolache.

Muzeul Teatrului National (*National Theatre Museum*): Bucharest 1, Bul. Balcescu; f. 1942; history of the Romanian theatre; library of 10,000 vols.; Dir. George Franga.

Muzeul Tehnic "Prof. Ing. Dimitrie Leonida" (*Technical Museum "Prof. Ing. Dimitrie Leonida"*): 75206 Bucharest, str. Candiano Popescu 2; f. 1909; sections of mining, oil industry, illuminations engineering, cinematography, radio and television, chemistry and nuclear energy, mechanics, electricity, heat, telecommunications, hydraulics, power engines and chemistry; library of 20,000 vols.; Dir. Dipl. Ing. Nicolae Diaconescu; publ. *Yearbook*†.

Provincial Museums

(in alphabetical order by town)

Muzeul de Istorie Aiud: Aiud, Piaţa Republicii 24, jud. Alba; f. 1796; archaeology of the primitive commune, the slave system period and the pre-feudal period; library of 1,146 vols.; Dir. Lidia Chiţu.

Muzeul de Ştiinţele Naturii Aiud (*Natural Sciences Museum*): Aiud, Str. 11 Junie 1; f. 1796; plants, mineralogical collections, petrography, palaeontology, entomology, birds and animals; Curator Prof. Lörincz Ladislau.

Muzeul Unirii: Alba Julia, Str. Mihai Viteazul 12-14; f. 1887; exhibits relating to Romanian Union from early times to the present; library of 36,000 vols.; Dir. Dr. Gh. Anghel; publ. *Apulum-Acta Musei Apulensis* (annual).

Muzeul Judeţean Arad (*Arad District Museum*): Arad, Piaţa Enescu 1; f. 1892; archaeological and ethnographical exhibits relating to the Arad region; classical and contemporary Romanian art; European paintings of 17th–20th centuries; decorative arts; exhibits of the 1848 Revolution in Transylvania; Dir. Ilie Roşuţ; publ. *Ziridava* (irregular).

Muzeul Judeţean de Istorie şi Artă: Bacău, Str. Karl Marx 23; f. 1959; exhibits illustrating history, art, archaeology, ethnography, literature; library of 6,000 vols.; Dir. I. Mitrea; publ. *Carpica* (annually).

Muzeul de Ştiinţele Naturii (*Natural Sciences Museum*): Bacău, Str. Karl Marx 2; f. 1959; herbarium and zoological collection; library of 8,000 vols.; Dir. Dr. Constantin Şova; publ. *Studii şi Comunicări* (annual review).

Muzeul Judeţean Maramureş (*Maramureş District Museum*): 4800 Baia Mare, Str. Bicazului 1-3, jud. Maramureş; f 1899; history, ethnography, modern and contemporary Romanian art, mineralogy; library of 12,000 vols.; Dir. Valeriu Achim; publ. *Marmaţia*† (annually).

Muzeul din Blaj: Blaj, Str. Armata Roşie 2; f. 1939; documents on the Transylvanian School; Dir. C. Totoi.

Muzeul Judeţean Botoşani (*Botoşani District Museum*): Botoşani, Calea Naţională 251; f. 1955; collections of archaeology, history, ethnography, fine arts; a memorial house "Nicolae Iorga", the Memorial Exhibition "1907", a memorial house "Mihai Eminescu" in the village of Ipoteşti; Dir. P. Sadurschi.

Muzeul din Brăila: Brăila, Piaţa Lenin 3; f. 1950; archaeology, history, fine arts, ethnography, natural sciences; Dir. Florian Anastasiu.

Muzeul Cetăţii Bran (*Bran Walled City Museum*): Bran, Str. Principală 460, jud. Braşov; f. 1957; history, ethnography and feudal art; Dir. I. Prahoveanu.

Muzeul, Biblioteca şi arhiva istorică a Bisericii Sf. Nicolae din Scheii Braşovului: Braşov, Piaţa Unirii 1; f. 1961; historical museum in building of first Romanian school (15th century); ancient books and documents; Romanian, Slavonic and Greek MSS.; medieval and ecclesiastical art; Dir. Prof. Ion Micu.

Muzeul Judeţean Braşov (*Braşov District Museum*): Braşov, Piaţa 23 August 30; f. 1908; archaeology, numismatics, history, ethnography and folk art; library of 15,500 vols., archives; Dir. Titus Haşdeu; publ. *Cumidava*† (Yearbook).

Muzeul Judeţean de Istorie (*County History Museum*): Buzău, Str. Unirii 149, Buzău county; f. 1951; archaeology, history, folk art and fine arts; Dir. V. Rapciu.

Muzeul memorial B. P. Hasdeu: Cîmpina (Judeţul Prahova), Str. 23 August 199; f. 1965; Dir. Gh. Oprea.

Muzeul "N. Grigorescu": Cîmpina, Str. 23 August 170; Curator S. Dumitrescu.

Muzeul Artei Lemnului: Cîmpulung Moldovenesc, jud. Suceava, Str. Pictor Grigorescu 1; f. 1936; ornamental wooden objects; Dir. M. Zaharciuc.

Muzeul Zoologic: Cluj-Napoca 3400, Str. Clinicilor 5-7; f. 1859; Dirs. Dr. Lucia Duşa, Dr. Maria Dragoş.

Muzeul Etnografic al Transilvaniei: Cluj, Str. 30 Decembrie 21; f. 1922; over 53,000 exhibits, with special emphasis on Transylvanian traditional occupations; also section on primitive peoples; library and valuable collection of archives; the Ethnographical Park (f. 1929), the first open-air museum in Romania is a special section of the Ethnographic Museum and displays the larger exhibits; Dir. Viorica Pascu; publ. *Anuarul Muzeului etnografic al Transilvaniei*†.

Muzeul de Artă: Cluj, 30 Piaţa Libertăţii; f. 1951; collections of Romanian and foreign art (paintings, sculptures, drawings, decorative art) from 16th to 20th centuries; houses of some of the most important collections of the country; library of 2,800 vols.; Dir. Alexandra Rus.

Muzeul de Istorie al Transilvaniei: Cluj, Str. Emil Isac 2; f. 1859 (reorganized in 1963); archaeology, ancient, medieval and modern Transylvanian history; library of 10,875 vols.; Dir. H. Daicoviciu; publ. *Acta Musei Napocensis*† (annual).

Muzeul de Istorie Naţională şi Arheologie din Constanţa: Constanţa, Piaţa Independenţei 1; exhibits relating to the prehistory and archaeology of the region; collections of neolithic vessels and coins; Dir. Dr. A. Rădulescu; publs. *Pontica* (annually).

Complexul Muzeal de Ştiinţe ale Naturii: Constanţa, Bd. 16 Februarie 1; f. 1958; Dir. Marcel Stanciu.

Muzeul de Artă Constanţa: Constanţa, Str. Muzeelor 12; f. 1961; modern and contemporary Romanian art; library of 3,800 vols.; Dir. Florica Pospai Cruceru.

Muzeul Marinei Române (*Romanian Maritime Museum*): Constanţa, Str. Traian 53; f. 1969; submarine archaeology, history of navigation, documents, maritime paintings; Dir. N. Petrescu.

Muzeul de Artă din Craiova: Craiova, Calea Unirii 15; f. 1908, reorganized 1954; Romanian and world art; library of 3,500 vols; Dir. P. Rezeanu.

Muzeul Olteniei (*Oltenia Museum*): Craiova, Str. Maxim Gorki 44; f. 1915; history, ethnography and natural sciences; library of 7,737 vols.; Dir. L. Deaconu; publ. *Oltenia Studii şi comunicări*†.

Muzeul Judeţean Hunedoara-Deva (*Hunedoara District Museum*): Deva, Str. Dr. Petra Groza 39; f. 1882; archaeology, history and natural sciences; library of 33,000 vols.; Dir. Mircea Valea; publ. *Sargeţia*.

Muzeul de Istorie şi Etnografie din Focşani: Focşani, Str. Karl Marx 1, jud. Vrancea; f. 1951; archaeology and ethnography; Dir. Gh. Constantinescu.

Muzeul de Ştiinţele Naturii (*Natural Science Museum*): Focşani, Str. Republicii 79; f. 1948; Dir. Prof. Carol Nagler.

Muzeul de Artă Contemporană Românească: Galaţi, Str. Republicii 141; f. 1967; Dir. Nicolae Itu.

Muzeul de Istorie Galati: Galati, Str. Al. I. Cuza 80; f. 1939; archaeology, history and ethnography; library of 7,750 vols.; Dir. Aneta Anghel; publ. *Danubius*.

Muzeul de Ştiinţele Naturii (*Natural Science Museum*): Galati, Str. Stiinţei 115; flora and fauna of the region; f. 1956; Dir. Ileana Radu.

Muzeul de Istorie Gherla: Gherla, Str. Avram Iancu 7, jud. Cluj; f. 1904; history, archaeology, ethnography, numismatics, iconography, heraldry; library of 5,500 vols.; Dir. Ioan Chifor.

Complexul Muzeal Goleşti: Goleşti, jud. Argeş; f. 1943; memorial, pedagogical and folk art departments, open air department of fruit and wine growing; Dir. Vasile Novac; publ. *Museum*†.

Complexul Muzeistic Iaşi: Iaşi, Palatul Culturii, Str. Palatului 1; Dir. I. Arhip. Affiliated museums:

Muzeul Etnografic al Moldovei: Iaşi, Str. Palatului 1; f. 1943; folk art, ethnography.

Muzeul de Artă din Iaşi: Iaşi, Str. Palatului 1; extensive collection of Romanian art, particularly Moldavian (19th and 20th century); collection of classical foreign paintings.

Muzeul de Istorie a Moldovei (*Moldavian History Museum*): Iaşi, Palatal Culturii, Str. Palatului 1; f. 1916; archaeology and history.

Muzeul de Istorie Naturală (*Natural History Museum*): Iaşi, Str. Gh. Dimitrov 72; f. 1834; research centre of Univ.

Muzeul de Literatura a Moldovei: Iaşi, Str. I. C. Frimu; f. 1971.

Muzeul memorial Bojdeuca Ion Creangă (*Memorial Museum of Ion Creangă*): Iaşi, Str. Simion Bărnuţiu 4; f. 1918; memorial house to life and works of writer Ion Creangă.

Muzeul Politehnic (*Technical Museum*): Iaşi, Palatul Culturii, Str. Palatului 1; f. 1955.

Muzeul Unirii (*Museum of the Union*): Iaşi, Str. Lăpuşneanu 14; f. 1955; dedicated to period of creating and maintaining Union of Romanian lands.

Muzeul de Istorie, Etnografie şi Artă (*Museum of History, Ethnography and Arts*): Lugoj, Nicolaie Bălcescu 2, Timiş county; f. 1905; archaeology, history, ethnography, fine arts; Dir. Ioan Stratan.

Muzeul de Arheologie din Mangalia: Mangalia, Calea Constantei 26; f. 1925; Graeco-Roman finds from Old Callatis; Dir. Elena Zavatin.

Muzeul Ţării Crişurilor: Oradea, Str. Stadionului 2; f. 1872, reorganized 1971; history, art, ethnography and natural science; library of 15,200 vols.; Dir. Sever Dumitrascu; publ. *Crisia*†, *Biharea*†, *Nymphaea*†.

Muzeul memorial Iosif Vulcan: Oradea, Str. Iosif Vulcan 16; f. 1965; Dir. Lucia Cornea.

Muzeul Mineritului (*Mining Museum*): Petroşani, Str. N. Bălcescu 21; f. 1961; history of mining in the Jiu Valley; Dir. Ion Poporogu.

Muzeul Judeţean de Istorie Piatra Neamţ (*Piatra Neamţ District History Museum*): Piatra Neamţ, jud. Neamţ; f. 1934; archaeology and contemporary Romanian art; Dir. Catalin Stupcanu; publs. *Memoria Antiquitatis*† (annual), *Bibliotheca Memoria Antiquitatis*†.

Muzeul de Ştiinţele Naturii: Piatra-Neamţ, Str. V. I. Lenin 26; f. 1960; herbarium, palaeontology, zoology; Dir. Mihai Ciobanu; publ. *Studii şi comunicări*.

Muzeul Judeţean Argeş (*Argeş District Museum*): Piteşti, str. Horia, Cloşca şi Crişan 44, jud. Argeş; f. 1928; history, modern and contemporary art, natural sciences specializing in ecology and nature conservation; library of 11,000 vols.; Dir. Radu Stancu; publ. *Studii şi comunicdri*† (Studies and Reports).

Muzeul de Artă din Ploieşti: Ploieşti, Bd. Gheorghiu-Dej 1; f. 1929; collections of the classical and contemporary plastic art of Romania; Dir. RUXANDRA IONESCU.

Muzeul de Istorie a Judetului Prahova (*Prahova District History Museum*): Ploieşti, Str. Teatrului 10; f. 1955; Dir. V. TEODORESCU.

Muzeul de Ştiinţele Naturii (*Natural Science Museum*): Ploieşti, Str. Krupskaia 1; f. 1956; Dir. ZOE APOSTOLACHE-STOICESCU; publ. *Comunicăre şi referate.*

Muzeul Petrolului (*Petroleum Museum*): Ploieşti, Str. Dr. Bagdasar 8; f. 1961; exhibits relating to the history and development of petroleum research, extraction and refining in Romania and of the Romanian petrochemical industries; library of 924 vols.; Curator M. GHEORGHIU.

Muzeul Etnografic din Rădăuţi: Rădăuţi, Str. Bogdan Vodă 2, jud. Suceava; f. 1920; earthenware, costumes, furniture; Dir. H. DRAGOS.

Muzeul Etnografic Reghin (*Reghin Ethnographic Museum*): Reghin, Cod 4225, Str. Vînătorilor 51, Mureş county; f. 1960; library of 3,500 vols.; Dir. ANTON BADEA.

Muzeul Judeţean Caraş Severin: Reşiţa, Str. 7 Noiembrie 50; f. 1950; archaeology, ethnography, contemporary Romanian art; Dir. I. UZUM; publ. *Banatica.*

Muzeul de Istorie din Roman: Roman, Str. Cuza Vodă 33; f. 1957; archaeology, ethnography and art; Dir. V. URSACHE.

Muzeul de Ştiinţele Naturii: Roman, Str. Proletariatului 4; f. 1956; Dir. C. TĂRĂBUŢĂ.

Muzeul Arheologic "Ulpia Traiana Sarmizegetusa": Sarmizegetusa, jud. Hunedoara; f. 1924.

Muzeul de Istorie Satu Mare: Satu Mare, Piaţa Libertăţii 21; f. 1891; history, ethnography, folk art and paintings by Aurel Popp; Dir. DORU RADUTOV.

Muzeul din Sebes: Sebes, Str. 8 mai 4; f. 1951; natural sciences, history, art, African ethnography.

Muzeul Judeţean Covasna (*Covasna District Museum*): Sf. Gheorghe, Str. 16 Februarie 10; f. 1879; local archaeological, ethnographical and natural history exhibits; modern Romanian art; Dir. Z. SZEKELY; publ. *Aluta.*

Muzeul Brukenthal: Sibiu, Piaţa Republicii 4; f. 1817; archaeology, history, ethnography, European paintings 15th-18th centuries; library, 249,780 vols.; Dir. C. IRIMIE; publs. *Cibinum, Studii şi Comunicări.*

> **Muzeul de Istorie Naturală din Sibiu:** Sibiu, Str. Cetăţii 1; f. 1849; zoology, botany, paleontology, mineralogy, petrology, universal fauna and flora; affiliated to Muzeul Brukenthal; library of 60,000 vols.; publ. *Studii şi Comunicări de Stiinţe Naturale*†.

Muzeul Maramureşean: Sighetul Marmaţiei, Str. Bogdan Vodă 2; ethnography and folk art from Maramureş; Dir. F. NISTOR.

Muzeul din Sighişoara: Sighişoara, Str. Turnului 1; f. 1899; exhibits relating to the history of Sighişoara and region; Dir. I. MOSORA.

Muzeul Peleş (*Pelesh Museum*): Sinaia, Str. Peleş 2; collection of world decorative art; Dir. Prof. DAN POPA.

Muzeul din Suceava: Suceava, Str. Stefan cel Mare 33; folk art section: Str. Ciprian Porumbescu 5; f. 1900; local history, natural history, Romanian fine arts; Romanian folk art of the Suceava district; library of 25,000 vols.; Dir. OCTAV MONORANU; publ. *Studii şi comunicări.*

Muzeul Banatului (*Museum of the Banate*): Timişoara, Castelul Huniade, Piaţa Huniade 1; f. 1872; archaeology, natural sciences, ethnography, Romanian and foreign art; Dir. FLORIN MEDELET.

Muzeul Judeţean Dîmboviţa (*Dîmboviţa District Museum*): Tîrgovişte, Str. Muzeului 4; f. 1940; archaeology, ethnography and fine arts; Dir. RADU GIOGLOVAN; publ. *Valachica.* Affiliated museums:

> **Muzeul Tiparului şi Cartii Vechi Româneşti** (*Printing and Old Romanian Book Museum*): Tîrgovişte, Str. Justiţiei 3-5, jud. Dîmboviţa; f. 1967.
>
> **Muzeul Scriitorilor Tîrgovişteni** (*Museum of the Writers of Tîrgovişte*): Tîrgovişte, Str. Justiţiei 3-5, jud. Dîmboviţa; f. 1967.

Muzeul Judeţean Gorj (*Gorj District Museum*): Tîrgu-Jiu, Str. Tudor Vladimirescu 73, jud. Gorj; f. 1894; history, ethnography and folk art; open-air museum of Gorj region; Dir. ELENA UDRIŞTE.

Muzeul de Artă din Tîrgu-Mureş: Tîrgu-Mureş, Piaţa Eroilor Sovietici 1; two galleries of Hungarian art of the 19th and 20th centuries and Romanian contemporary art; Dir. GH. OLARIU.

Muzeul Judeţean din Tîrgu-Mureş: Tîrgu-Mureş, Str. Horea 24; f. 1893; archaeology, ethnography, natural history; Dir. VALERIU LAZĂR; publ. *Studii şi Materiale.*

Muzeul Deltei Dunării (*Danube Delta Museum*): Tulcea, Str. Gloriei 4; f. 1949; sections of natural sciences, history and archaeology (with open-air archaeological parks), art (modern, medieval and oriental), ethnography; library of 11,000 vols.; Dir. GAVRILA SIMION; publ. *Peuce*† (periodical).

Muzeul "Portile de Fier" (*"Iron Gates" Museum*): Drobeta Turnu Severin, Str. Independenţei 2; f. 1912; natural history, archaeology and Roman ruins; Dir. M. DAVIDESCU.

Muzeul de Istorie Turda: Turda, Str. B. P. Haşdeu 2; f. 1951; history and ethnography; Dir. Z. MILEA.

Muzeul Judeţean Vilcea: Rîmnicu-Vilcea, Str. Arges 35; f. 1957; collections of history, art, ethnography; Dir. P. PURCĂRESCU.

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Faculty of Law: I. GLIGA.
Faculty of Economic Sciences: R. CRIŞAN.

PROFESSORS:

Faculty of Mathematics and Mechanics:
CHIŞ, G., Astronomy
IONESCU, D. V., Differential and Integral Equations
KALIK, C., Equations
MARUSCIAC, I., Approximations Theory
MOCANU, P., Complex Analysis
MUNTEANU, I., Mathematical Analysis
PAL, A., Astronomy and Celestial Mechanics
PIC, G., Algebra
POPOVICIU, E., Mathematical Analysis
RADO, F., Geometry and Algebra
STANCU, D., Numerical Analysis

Faculty of Physics:
BODI, A., Electronics
DRĂGANU, M., Theoretical Physics
GÁBOS, Z., Theory of Elementary Particles
LÁSZLÓ, T., Electronics
MAXIM, I., Magnetism
MERCEA, V., Atomic and Nuclear Physics
NICULA, A., Electricity and Magnetism
POP, I., Mechanics
TINTEA, H., Optics

Faculty of Chemistry:
CĂDARIU, I., Physical Chemistry
CRIŞAN, I. A., Analytical Chemistry
FĂRCĂŞANU, V., Organic Chemistry
HAIDUC, I., Inorganic and Metal-organic Chemistry
KEKEDY, L., Analytical Chemistry
LITEANU, C., Analytical Chemistry

Literat, L., Technology of Building Materials
Macarovici, C., Inorganic Chemistry
Marcu, G., Inorganic Chemistry
Oniciu, L., Physical Chemistry
Pop, A., Technological Chemistry

Faculty of Biology and Geography:
Bogdan, A., Economic Geography
Ceuca, Tr., Vertebrate Zoology
Csürös, St., Botany
Ghişa, E., Systematic Botany
Matic, Z., Invertebrate Zoology
Mészáros, N., Geology
Morariu, T., Geomorphology
Persecă, T., General Biology
Peterfi, S., Plant Physiology
Pora, A. E., Physiology and Biology
Radu, V., Invertebrate Zoology
Roşca, I. D., Physiology
Savu, A., Geography of Romania
Săndulache, A., Cartography and Topography
Stoicovici, E., Mineralogy

Faculty of History and Philosophy:
Bodor, A., Ancient History
Chircev, A., Child Psychology
Dancsuly, A., Pedagogics
Gál, E., Ethics and Aesthetics
Hăgan, T., Political Science
Horedt, K., World History
Isac, D., History of Ancient Philosophy
Jako, S., Auxiliary Historical Sciences
Kallos, N., Philosophy
Kovács, J., History of South-East Europe
Lascu, N., Ancient World History
Mare, C., Philosophy
Mureşan, C., World History
Pall, F., Medieval History
Pascu, S., Romanian Medieval History
Roşca, A., General Psychology
Roşca, D. D., Philosophy
Salade, D., General and Experimental Pedagogics
Surdu, B., Romanian Contemporary History
Vătăşianu, V., History of Art
Zőrgő, B., Educational Psychology

Faculty of Philology:
Bogdan, M., History of English Literature
Câmpeanu, E., Stylistics
Dumitrascu, P., History of Romanian Literary Language
Gálffy, M., Hungarian Language
Gheorghe, I., History of French Literature
Jacquier, H., French Literature
Pamfil, V., Historical Grammar
Pătruţ, I., Comparative Grammar of Slavonic Languages
Pervain, I., History of Romanian Literature
Pop, D., Literary Folklore
Rusu, L., World Literature
Scridon, G., History of Modern Romanian Literature
Szabó, A., Hungarian Language, Historical Grammar
Szabó, Z., History of Hungarian Literary Language
Szigeti, I., History of Old Hungarian Language
Todoran, R., Dialectology
Vlad, I., Theory of Literature
Zaciu, M., History of Romanian Contemporary Literature
Zdrenghea, M., Romanian Language

Faculty of Law:
Albu, I., Law of Family
Basarab, M., Criminal Law
Cîmpeanu, V., Labour Law
Demeter, I., Theory of Law
Drăganu, T., State Law
Gliga, I., Financial Law
Hanga, V., Roman Law
Ionaşcu, A., Civil Law
Lupan, E., Cooperative Legislation
Porumb, G., Civil Law
Stoica, O., Criminal Law
Takacs, L., International Public Law

Faculty of Economic Sciences:
Berenyi, A., Political Economy
Csakani, V., Finances
Diculescu, V., History of National Economy
Lanczos, H., Book Keeping
Negucioiu, A., Political Economy
Olah, C., Political Economy
Toth, I., Political Economy

UNIVERSITATEA DIN BRAŞOV

2200 BRAŞOV,
BD. GH. GHEORGHIU-DEJ 29

Telephone: 4.15.80.

Founded 1971 by merger of Institutes of Silviculture, Mechanics and Pedagogics.

State control; Language of instruction: Romanian; Academic year: September to June.

Rector: Prof. Dr. Eng. Florea Duduţa.

Pro-Rectors: Profs. Vasile Vulcu, Victor Hoffmann, Filofteia Negruţiu.

Registrar: Valentina Rusu.

Library Director: Dr. Eng. Aurel Negruţiu.

Library: *see* Libraries.

Number of teachers: 694.
Number of students: 9,068.

Publication: *Buletinul Universităţii din Braşov.*

DEANS:

Faculty of Mechanics: Dr. Eng. Gheorghe Bobescu.
Faculty of Mechanical Engineering Technology: Dr. Eng. Gheorghe Secară.
Faculty of Forestry: Dr. Marin Marcu.
Faculty of Wood Technology: Dr. Eng. Victor Dogaru.
Faculty of Mathematics: Dr. Ioan Inţa.

PROFESSORS:

Faculty of Mechanical Engineering Technology:
Bednar, H., Chemistry
Boangiu, Gh., Machine Tools
Drăghici, G., Machine Engineering Technology
Drăghici, I., Machine Elements
Dudiţă, F., Mechanisms
Iliescu, C., Technology of Die-stamping and forging
Maniu, A., Equipment for Plastic Flow
Munteanu, G., Physics
Secară, Gh., Metal Cutting, Tool Design
Tudoran, P., Study of Metals
Vaida, A., Design of Machine Tools
Vulcu, V., Casting Technology

Faculty of Mechanics:
Abăităncei, D., Automobile Engines
Benche, V., Fluid Mechanics
Bobescu, Gh., Auto-tractor engines
Câmpian, V., Automobiles
Dâmboiu, E., Electrical Mechanics
Deutsch, I., Strength of Materials
Hoffmann, V., Heat Engineering
Ionescu, E., Tractors and Automobiles
Nagy, T., Transport
Nicolaide, A., Electrical Machines
Niţescu, G., Tractors
Olariu, V., Mechanics
Redlov, T., Mechanics and Strength of Materials
Saal, C., Electromechanical Drives
Seitz, N., Electrical Equipment
Sima, P., Mechanics
Şova, V., Heat Engineering
Szabo, W., Electric and Electronic Measurements
Todicescu, A., Fluid Mechanics
Untaru, M., Motor Cars
Veştemeanu, N., Heat Engineering and Equipment

Faculty of Forestry:
Bereziuc, R., Forest Roads
Costea, C., Forestry and Business Management
Damian, I., Afforestation
Ionaşcu, Gh., Forest Engineering Equipment
Mihai, Gh., Pedology and Forest Stations
Munteanu, S., Torrent Correction
Parascan, D., Botany and Plant Physiology
Păunescu, C., Pedology and Forest Stations
Popovici, T., Dendrometry
Russu, A., Topography
Stănescu, V., Dendrology
Tudor, I., Forest Protection

Faculty of Wood Technology:
Alexandru, St., Automatization of Technological Processes
Barba, V., Economics of Enterprises
Dogaru, V., Basics of Mechanical Wood Processing
Lupu, I., Political Economy
Radu, A., Machine Tools

Faculty of Mathematics:
Simionescu, C., Mathematics and Geometry

UNIVERSITATEA DIN CRAIOVA

STR. "AL.I.CUZA" 13,
CRAIOVA, JUD. DOLJ.

Telephone: Centrale 20711-14398-12866.

Founded 1966.

State control; Academic year: September to June.

Rector: Prof. Dr. Tiberiu Nicola.
Vice-Rectors: I. Dogaru, N. Vintilă, M. Popescu, N. Popescu.
Secretary-General and Archivist: I. Oancă.
Librarian: E. Tatomirescu.

Library: *see* Libraries.

Number of teachers: 570.
Number of students: 9,750.

Publications: *University Records* (yearly) in four series: *Philology, History and Geography*; *Social and Economic Sciences*; *Mathematics, Physics and Chemistry*; *Agricultural and Biological Sciences.*

DEANS AND HEADS OF FACULTIES:

Faculty of Natural Sciences: G. Vraciu.

Faculty of Economic Sciences: C. Bărbăcioru.
Faculty of Philology and History: I. Trăistaru.
Faculty of Electrotechnics: C. Ambrozie.
Faculty of Agriculture: C. Barbu.
Faculty of Horticulture: G. Sorop.
Faculty of Medicine: P. Georgescu.

Professors:

Faculty of Natural Sciences:
- Avramescu, C., Mathematical Analysis
- Brad, I., Biochemistry
- Dobrescu, E., Functional Analysis
- Gănescu, I., Analytical Chemistry
- Gherman, O., Atomic and Nuclear Physics
- Ionescu, V., Mathematics Applied in Economics
- Leonte, A., Calculus of Probability
- Niac, G., Physical Chemistry
- Răileanu, M., General Chemistry
- Scondac, I., Technology of Industrial Products
- Tudor, M., Physics and Meteorology
- Vraciu, G., Algebra

Faculty of Economic Sciences:
- Bărbăcioru, C., Political Economy
- Botea, C., Political Economy
- Brînzan, A., General and Agricultural Accountancy
- Cîţu, D., Farm Organization
- Dogaru, I., Law
- Georgescu, P., Theoretical and Economic Statistics
- Mănoiu, I., Problems of Modern Agriculture
- Negulescu, C., Industrial Organization
- Oncescu, V., Political Economy
- Popescu, N., Political Economy
- Stavre, P., Industrial Economics
- Tănase, G., Industrial Economics
- Trăistaru-Cluj, I., Political Economy

Faculty of Philology and History:
- Călin, I., Contemporary History
- Chelaru, V., Old Slavonic
- Chitu, C., Regional Physical Geography
- Donat, L., Latin
- Nicola, T., Philosophy
- Novac, N., Scientific Socialism
- Sorescu, G., History of Romanian Literature
- Stancoveanu, G., Education
- Stoica, M., Education
- Şuteu, F., Contemporary Romanian
- Trăistaru, E., Scientific Socialism
- Trăistaru, I., History of Old Romanian Literature
- Trandafir, G., Modern Romanian
- Tugui, P., History of Romanian Literature

Faculty of Electrotechnics:
- Ambrozie, C., Electric and Magnetic Measures
- Belea, C., Theory of Automatic Systems
- Cernăianu, E., Resistance of Materials
- Cîmpeanu, A., Special Electronic Machinery
- Degeratu, P., Automatization
- Herşcovici, B., Electrical Apparatus
- Popescu, I., Mechanisms
- Puşcaşu, S., Basic Electrotechnics
- Saviuc, V., Electrical Machinery
- Şontea, S., Technology
- Vintila, N., Theory and Application of Electrical Machinery

Faculty of Agriculture:
- Badea, E., Zootechnics
- Barbu, C., Economy of Socialist Agriculture
- Camalesa, T., Zootechnics
- Ciobanu, P., Phytotechnics
- Haţegan, I., Farm Organization
- Minulescu, P., Horticultural Machinery
- Nedelcu, P., Plant Physiology and General Microbiology
- Negrea, I., Agro-Phyto-Technology
- Păun, M., Botany
- Pavel, C., Pasture Production and Conservation
- Pop, L., Agro-Phyto-Technics
- Popescu, C. I., Irrigated Crop Cultivation
- Popescu, N. I., Plant Improvement
- Popescu, St., C. Microbiology and Zootechnology
- Şorop, Gr., Pedology

Faculty of Horticulture:
- Bălasa, M., Forced Crops and Vegetables
- Baniţă, P., Special Viticulture
- Bobîrnac, B., Entomology
- Chita, O., Biology
- Coles, N., Genetics
- Comeş, I., Phyto-pathology
- Ene, F., Plant Improvement
- Maloş, A., Geology
- Maloş, C., Botany
- Miliţiu, I., Pomiculture and Horticulture
- Olimid, V., Plant Physiology
- Oprean, M., Viticulture
- Popescu, M., Pomiculture and Intensive Cultivation of Fruit Trees
- Rîncu, I., Plant Morphology
- Sorescu, C., Vertebrate Zoology

Faculty of Medicine:
- Bogdan, F., Histology
- Buşu, I., Surgery
- Cernea, P., Ophthalmology
- Creţu, S., Paediatrics
- Drăgoi, G., Anatomy
- Georgescu, P., Urology
- Mihăilescu, V., Internal Medicine, Medical Semiology
- Nachtigal, M., Molecular Biology
- Nedelcu, C., Biophysics
- Negomireanu, T., Infectious Diseases and Epidemiology
- Neştianu, V., Physiology
- Obreja, S., Stomatology
- Parhon, I., Clinic, Obstetrics and Gynaecology
- Radu, C., Orthopaedics
- Rogoz, I., Molecular Biology
- Tănăsescu, D., Biochemistry

Attached Institutions:

Experimental Teaching Station: in two sections:

Banu Mărăcine: 264 Str. Bucureşti, Craiova, Dolj.

Tîmbureşti: Tîmbureşti, Dolj.

Agricultural Research Stations:

Rînca: Str. Al. I. Cuza 13, Craiova Dolj.

Preajba: as above.

University Botanical Gardens: Str. Comuna din Paris-Craiova 25, Dolj.

UNIVERSITATEA DIN GALATI

6200 GALATI, BD. REPUBLICII
NR. 47
Telephone: 1.36.02.

Founded 1948, University status 1974.

State control; Academic year: September to July.

Rector: Ion Crudu.
Pro-Rectors: Ioan Brezeanu, Leonard Stoian.

Number of teachers: 380.
Number of students: 5,000.

Deans:

Faculty of Food Industries and Fishing Techniques: G. M. Costin.
Faculty of Mechanics: A. Oranescu.
Faculty of Education: C. Tudose.

Professors:

Faculty of Food Industries and Fishing Techniques:
- Bacalbaşa, N., Fishing Technology
- Banu, C., Meat Technology
- Bogatu, D., Ichthyopathology
- Costin, G. M., Milk Technology
- Creţulescu, C., Chemical Industry
- Giurcă, V., Baking Technology
- Leonte, M., Organic Chemistry
- Moţoc, V., Technology of Sugar Production
- Raşenescu, I., Operations and Equipment in Food Industry
- Segal, B., Technology of Preserving Fruit and Vegetables

Faculty of Mechanics:
- Alexandru, C., Naval Equipment and Machinery
- Ceangă, E., Electrotechnics and Automation
- Crudu, I., Machine Parts
- Iosifescu, C., Refrigeration Techniques
- Marian, E., Ship Dynamics
- Modiga, M., Ship Structure
- Orănescu, A., Theory of Mechanism and Machines
- Stoian, L., Technology of Metals
- Stoicescu, L., Material Resistance
- Teodorescu, M., Machine Building Technology
- Vagu, P., Economy and Production Organization
- Vasilescu, A., Hydromechanics

Faculty of Education:
- Brezeanu, I., Folklore Studies
- Mustaţă, P. M., Mathematics
- Olaru, E., Mathematics
- Tudose, C., Physics
- Turlan, V., Romanian Language
- Vrabie, D., Psychology and Education

UNIVERSITATEA "AL. I. CUZA" DIN IAŞI

IAŞI, CALEA 23 AUGUST 11
Telephone: 40967.
Founded 1860.

Academic year: September to June.

Rector: Prof. Dr. Mihai Todosia.

Pro-Rectors: Prof. Dr. I. Hagiu, Prof. Dr. O. Loghin, Prof. Dr. S. Teodorescu, Prof. Dr. A. Loghin.

Registrar: Octavian Davideanu.

Librarian: Dr. M. Bordeianu.

Number of teachers: 586.
Number of students: 9,274.

Publication: *Analele Universităţii "Al. I. Cuza" din Iaşi.*

Deans:

Faculty of Mathematics: Conf. Dr. Viorel Barbu.

Faculty of Physics: Conf. Dr. Mardarie Sorohan.

Faculty of Biology and Geography: Prof. Dr. Corneliu Zolyneak.

Faculty of Law: Conf. Dr. Octavian Loghin.

Faculty of Philology: Conf. Dr. Silvia Buţureanu.

Faculty of History and Philosophy: Conf. Dr. Vasile Cristian.

Faculty of Economic Sciences: Conf. Dr. Ene Marin.

Faculty of Education: Conf. Dr. Alexandru Merică.

PROFESSORS:

Faculty of Mathematics:
Borş, C., Mathematics
Cazacu, C., Computer Science
Cîmpan, Fl., History of Mathematics
Corduneanu, C., Differential Equations
Costinescu, O., Topology
Creangă, I., Algebra
Cruceanu, V., Geometry
Drăgan, I., Mathematical Analysis
Gheorghiev, G., Differential Geometry
Gheorghiu, N., Mathematical Analysis
Haimovici, A., Physico-Mathematical Equations
Luchian, T., Algebra
Miron, R., Differential Geometry
Negoescu, N., Mathematical Analysis
Petrovanu, D., Mathematics
Popa, I., Mathematical Analysis
Radu, A., Theoretical Mechanics

Faculty of Physics:
Bursuc, I., Molecular Physics
Gottlieb, I., Theoretical Physics
Mihul, C., Optics
Sanduloviciu, M., Plasma Physics
Tutovan, V., Electricity and Magnetism

Faculty of Biology and Geography:
Alexa, E., Physiology and Biology
Băcăoanu, V., Geomorphology
Bălţatu, G., Horticulture
Budeanu, E., General Chemistry
Burduja, C., Botany
Cărăuşu, S. Hydrobiology
Constantineanu, M., Zoology
Dumitrescu, R., Mineralogy and Petrography
Donisă, I., Geomorphology
Feider, Z., Vertebrate Zoology
Gugiuman, I., Meteorology, Climatology
Hassan, Gh., Vertebrate Zoology
Ionesi, L., Geology
Jeanrenaud, P., Geology
Jitariu, P., Physiology and Biology
Macarovici, N., Geology
Martiniuc, C., Geomorphology
Necrasov, Olga, Anthropology
Obreja, A., Geography
Şandru, I., Economic Geography of the S.R.R.
Sficlea, V., Topographic Geography of the S.R.R.
Sîrcu, I., Physical Geography of the S.R.R.
Solomon, L., Vertebrate Zoology
Topală, N., General Microbiology
Vancea, S., Invertebrate Zoology
Zolyneak, C., Genetic Biology

Faculty of Philology:
Arvinte, V., Romanian Language
Ciopraga, C., Romanian Literature
Cuciureanu, St., Romanian Language
Istrate, G., Romanian Language
Ivănescu, G., Romance Languages
Láudat, I., Ancient Romanian Literature
Peretz, H., German Literature
Platon, M., Romanian Literature
Popa, N. I., French Literature
Vraciu, A., Russian Language
Zacordoneţ, Al., Russian Language

Faculty of History and Philosophy:
Benditer, J., World History
Bîrsănescu, S., Pedagogics
Borcea, P., Biology
Botezatu, P., Logic
Cosmovici, A., Psychology
Cihodaru, C., Romanian Medieval History
Davidsohn, I., History of Philosophy
Dumitriu, C., Pedagogics
Grămadă, I., World Medieval History
Grigoras, I., Ethics
Hagiu, I., Scientific Socialism
Loghin, A., Romanian History
Natansohn, I., Sociology
Pavelcu, V., Psychology
Petrescu-Dimboviţa, M., Romanian History
Platon, Gh., Romanian Modern History
Stere, E., History of Philosophy
Teodorescu, S., Psychology
Văideanu, G., Pedagogy

Faculty of Law:
Benditer, I., Constitutional Law
Braunstein, B., Penal Law
Jacotă, M., Roman Law
Javorschi, I., Labour Law
Negru, V., Civil Law
Taţomir, N., International Public Law
Theodoru, G., Penal Law

Faculty of Economic Sciences:
Bărbat, A., Statistics
Nicolicioiu, C., Political Economy
Rusu, D., Book-Keeping Theory
Tătaru, A., Economic Statistics
Todosia, M., History of Economic Theory

Faculty of Education:
Hatmanu, D., Painting

ATTACHED INSTITUTES:

Astronomical Observatory: Iaşi, Aleea M. Sadoveanu 5.

Botanical Garden: Iaşi Str. Dumbrava Roşie 7-9.

Natural History Museum: Iaşi, Str. Stefan Gheorghiu 9.

UNIVERSITATEA DIN TIMIŞOARA

TIMIŞOARA, V. PÂRVAN 4
Telephone: 1.28.05.
Founded 1962.

State control; Academic year: September to June.

Rector: C. Popa.
Pro-Rectors: I. Luca, O. Birău.
Librarian: T. Knezević.

Library: *see* Libraries.
Number of teachers: 400.
Number of students: 5,100.

Publications: *Analele Universităţii din Timişoara—ştiinţe matematice, ştiinţe fizice-chimice, ştiinţe filologice, ştiinţe sociale.*

DEANS:

Faculty of Philology and History: V. Serban.

Faculty of Economic Studies: P. Oniţa.

Faculty of Education: F. Prinz.

Faculty of Natural Sciences: E. Boroş.

Faculty of Philology and History:
Bociort, I. G., Literary Criticism
Heinrich, A., Russian Language
Munteanu, St., General Linguistics
Todoran, E., History of Romanian Literature
Tohăneanu, Gh., Romanian Language

Faculty of Economic Sciences:
Cornea, Philosophy
Luca, I., Scientific Socialism
Mareş, D., Industrial Economics
Olariu, C., Bookkeeping
Stegăroiu, C., General Law

Faculty of Education:
Românu, I., Choral Ensemble

Faculty of Natural Sciences:
Papuc, I. D., Geometry
Popa, C., Mathematical Analyses
Reghis, M., Differential Equations
Zaganescu, M., Quantum Mechanics and Quantum Theory of Solids
Ceauşescu, D., Chemistry
Ciuhandu, Gh., Organic Chemistry
Simon, Z., Physical Chemistry

ATTACHED RESEARCH INSTITUTES:

Astronomical Observatory: Timişoara, Piaţa Axente Sever, 2.

Seismic Station: Timişoara, Str. Glad 59.

Marketing Laboratory: Timişoara, Bd. V. Pârvan 4.

Sociology Laboratory: Timişoara, Bd. V. Pârvan 4.

Linguistic Research Group: Timişoara, Bd. V. Pârvan 4.

TECHNOLOGICAL UNIVERSITIES

INSTITUTUL POLITEHNIC "GH. GHEORGHIU-DEJ"

BUCHAREST,
SPLAIUL INDEPENDENŢEI 313
Telephone: 37.20.55.
Founded 1819.

Academic year: September to June (two semesters).

Rector: Prof. Dr. Doc. Ing. Radu Voinea.
Pro-Rectors: Prof. Dr. Rodica Vâlcu, Prof. Dr. C. Bălă, Dr. Ing. M. Petrescu, Prof. Ing. J. Moncea.
Chief Administrative Officer: Ing. Gh. Anton.
Librarian: L. Voronca.

Library: *see* Libraries.

Number of teachers: 1,389.
Number of students: 20,000.

Publication: *Buletinul Institutului Politehnic "Gheorghe Gheorghiu-Dej".*

Deans:

Faculty of Industrial Chemistry: O. Floarea.
Faculty of Electrical Engineering: A. Tugulea.
Faculty of Power Engineering: Al. Diacon.
Faculty of Mechanics: A. Manole.
Faculty of Agricultural Engineering: C. Ciocîrdia.
Faculty of Metallurgy: Fl. Oprea.
Faculty of Automation: S. Florea.
Faculty of Electronics and Telecommunications: G. Rulea.
Faculty of Transport: O. Rusu.
Faculty of Technology of Machine-Building: V. Tache.
Faculty of Aerospace Construction: V. Pimsner.
Faculty of Chemistry: Felicia Cornea.

Professors:

Faculty of Industrial Chemistry:
Albert, F., General Chemistry
Avram, M., Organic Chemistry
Balaban, Al., Organic Chemistry
Baltă, P., Technology of Binding Materials and Concretes
Dinescu, R., Technology of Ceramics and Refractory Materials
Drimus, I., Organic Technology and the Theory of Technical Processes
Firoiu, C., Electrochemical Technology
Floarea, O., Chemical Engineering
Georgescu, I., Nuclear Chemistry
Pincovschi, E., Inorganic Technology
Sternberg, O., Physical Chemistry
Teoreanu, I., Technology of Binding Materials and Concretes

Faculty of Electrical Engineering:
Bălă, C., Theory and Design of Electrical Machines
Bogdan, R., Theory of Mechanisms
Cleja, A., Scientific Socialism
Fransua, A., Theory of Electrical Machines and Electrical Drives
Hortopan, G., Theory and Design of Electrical Apparatus
Ifrim, A., Electrical Materials
Mocanu, C., Fundamental Electro-Technics
Nedelcu, V., Electrical Machines
Popescu, I., Physics
Roşculeţ, M. Algebra, Mathematical Analysis

Faculty of Power Engineering:
Arie, A., Transportation and Electric Energy Distribution
Caragheorghe, E., Mechanics
Constantinescu, E., Electrical Power
Dănilă, N., Thermo-Electric Power Plants
Diacon, Al., Hydroelectric Power
Drăgan, G., High Voltage Technique
Dumitrescu, D., Basis of Hydraulics
Iacobescu, Gh., Electric Networks
Nitu, V., Electric Power
Potolea, E., Electric Networks
Tugulea, A., Basic Electronics
Zarea, S., Hydraulic Turbines

Faculty of Automation:
Călin, S., Calculus and Construction of Regulators and Relay Protection
Florea, S., Hydraulic and Pneumatic Elements
Lăzăroiu, F., Reliability
Penescu, C., Theoretical Basis of Automation
Petrescu, M., Computers
Preda, M., Bases of Electrical Engineering
Sabac, I., Algebra, Mathematical Analysis
Voiculescu, D., Mechanics

Faculty of Mechanics:
Aramă, C., Thermic Processes in Internal Combustion Engines
Bărănescu, G., Construction and Calculation of Internal Combustion Engines
Buzdugan, Gh., Strength of Materials
Dănescu, A., Thermodynamics
Demian, T., Mechanism and Precision of Fine Mechanics
Grünwald, B., Car Engines
Moncea, J., Technical Drawing
Pavelescu, D., Machine Elements
Postelnicescu, M., Boilers and Fuels
Seleşteanu, A., Steam and Gas Turbines
Vasilescu, C. A., Technology of Thermic Engine Building

Faculty of Agricultural Engineering:
Buga, M., Strength of Materials
Mladinescu, T., Machine Elements
Segarceanu, M., Agricultural Machines

Faculty of Metallurgy:
Dragomir, I., Metallurgy of Steel
Dulămiţă, T., Heat Treatment
Gâdea, Suzana, Physical Metallurgy
Geru, N., Physical Metallurgy
Murgulet, M., Metallurgical Furnaces
Oprea, F., Metallurgy of Non-Ferrous Metals
Oprescu, I., Metallurgical Machines
Predeleanu, M., Algebra, Mathematical Analysis
Protopopescu, M., Metallurgy of Semiconductors
Serbănescu, Scientific Socialism
Sofronie, L., Technology, Elaboration and Foundry of Alloys and Metals
Tripşa, I., Metallurgy of Steel
Vacu, Silvia, Metallurgy of Steel

Faculty of Electronics and Telecommunications:
Barbu, E., Telephone, Telegraphy
Cartianu, G., Bases of Radio-Technics
Cătuneanu, V., Materials and Electric Components
Corlateanu, V., Reliability
Drăgănescu, M., Electronic Tubes, Transistors and Circuits
Mateescu, A., Telephone, Telegraphy
Moisil, Gh., Physics
Nicolau, E., Electrical and Electronic Measures
Postelnicu, P., Telephonic Transmission Systems
Roman, W., Scientific Socialism
Rulea, G., Radiocommunications
Savescu, M., Radio-Communications
Spătaru, A., Theory of Information Transmission
Stere, R., Radio Communications
Timotin, Al., Basic Electronics
Vasiliu, Cr., Telephone, Telegraphy

Faculty of Transport:
Condacse, N., Electrical Locomotives
Frîncu, P., Railway Transport
Popa, A., Locomotives and Motorail Heat Engines
Rusu, O., Strength of Materials
Vasiliu, C., Automobiles

Faculty of Technology of Machine Building:
Botez, E., Projection of Machine-Tools
Enache, S., Machine Tools
Gradisteanu, I., Political Economics
Manea, Fl., Fundamental Electro-Technics
Olariu, W., Algebra, Mathematical Analysis
Oprean, A., Machine Tools
Radoi, M., Mechanics
Tache, V., Technology of Machine Building

Faculty of Aerospace Construction:
Constantinescu, V. N., Special Materials, Aeronautical Engineering
Guţă, C., Aviation
Petre, A., Aircraft Design
Pimsner, V., Heat Engineering
Prahoveanu, E., Political Economics
Racoveanu, N., Electronic Elements and Automators
Voinea, R., Mechanics

Faculty of Chemistry:
Bărbulescu, N., Organic Chemistry
Brezeanu, M., Inorganic Chemistry
Cornea, F., Organic Chemistry
Croitoru, V., Analytical Chemistry
Gheorghiu, C., Inorganic Chemistry
Negoiu, D., Inorganic Chemistry
Nicolescu, I., Chemical Technology
Oncescu, T., Physical Chemistry
Panaitescu, C., Inorganic Chemistry
Radovici, O., Physical Chemistry
Sahini, V., Physical Chemistry
Segal, E., Physical Chemistry
Vâlcu, R., Physical Chemistry

Attached Research Institutes:

University Research Institutes all at Splaiul Independenţei 313, Bucharest.

Research Centre of Internal Combustion Engines: Dir. Prof. Dr. Doc. Ing. G. Bărănescu.

Research Centre of Metallurgy: Dir. Prof. Dr. Ing. I. Tripşa.

Research Centre of Chemical Technology and Corrosion Prevention: Dir. Prof. Dr. Ing. I. Drimus.

Research Centre of Hydraulics: Dir. Prof. Dr. Ing. Al. Diacon.

Computer Centre: Dir. Prof. Dr. Ing. M. Petrescu.

INSTITUTUL POLITEHNIC CLUJ-NAPOCA

CLUJ, STR. EMIL ISAC 15

Telephone: 2.56.40-2.56.99.

Founded 1948.

Academic year: September to June.

Rector: Dr. Eng. Attila Pálfalvi.

Pro-Rectors: Eng. Th. Alb, Dr. Eng. Al. Cătărig.

Library of 305,101 vols.

Number of teachers: 560.

Number of students: 7,000.

Publications: *Scientific Bulletin of the Cluj Polytechnic Institute* (annual).

Deans:

Faculty of Mechanics: Dr. Eng. V. Ionuț.

Faculty of Construction: Dr. Eng. G. Bârsan.

Faculty of Electrotechniques: Dr. Eng. A. Kelemen.

Professors:

Faculty of Mechanics:

Albu, A., Tool Mechanics
Chirila, A., Thermo-Technics and Thermal Equipment in Farming
Chisiu, A., Machine Components
Codreanu, C., Physics
Colan, H., Metal Technology
Domșa, A., Machine Tools and Metal-Working
Dragan, I., Technology of Plastics Deformation
Ionut, V., Technology of Metal Working
Lăzărescu, I., Theory of Metal-Cutting and Tool Design
Maros, D., Theory of Mechanisms
Moldovan, V., Tools for Plastics Deformation
Nicolae, Vintilă, Metal Technology
Palfalvi, A., Metal Technology
Pastrav, I., Strength of Materials
Petriceanu, G., Technology of Machine Construction
Popa, B., Thermo-Technics and Thermal Machines
Ripianu, A., Theoretical Mechanics
Sagyebo, F., Tooling Design
Szekely, E., Theory of Mechanisms and Organs of Machines
Tripa, M., Strength of Materials

Faculty of Construction:

Beiu, E., Technology of Construction
Gobesz, F., Statistics, Stability and Dynamics
Iancău, V., Geometrical Representation
Ille, V., Strength of Materials, Elasticity Plasticity
Juncan, N., Metal Constructions
Lazar, I., Building Equipment
Mihăilescu, M., Reinforced Concrete Constructions
Pop, V., Geotechnics and Foundations
Tertea, I., Reinforced and Prestressed Concrete

Faculty of Electrotechniques:

Bal, L., Analysis and Algebra
Cotiu, A., Analysis
Ghircoiașiu, N., Analysis
Hanganut, M., Automatics
Kelemen, A., Electric Drive
Moina, I., Physics
Patachi, N., Electrotechnics, Electrical Measurements

INSTITUTUL POLITEHNIC "GHEORGHE ASACHI" DIN IAȘI

IAȘI, CALEA 23 AUGUST, 22

Telephone: 13577.

Founded 1912.

State control; Academic year: September to September.

Rector: Prof. Dr. Ing. Mihai Gafițanu.

Pro-Rectors: Prof. Dr. Ing. Tudor Silion, Prof. Dr. Gheorghe Chiriță, Prof. Dr. Ing. Nicolae Gavrilaș.

Registrar: V. Stanciu.

Librarian: L. Vlad.

Library: *see* Libraries.

Number of teachers: 1,065.

Number of students: 13,314.

Publication: *Bulletin* (2 a year).

Deans:

Faculty of Technological Chemistry: V. Ababi.

Faculty of Civil Engineering and Architecture: V. Focșa.

Faculty of Electrical Engineering: A. Popovici.

Faculty of Hydro Engineering: C. Popescu.

Faculty of Textile Technology: V. Hanganu.

Faculty of Mechanics: V. Belousov.

Professors:

Faculty of Chemistry and Chemical Engineering:

Ababi, V., General Technology
Asandei, N., Macromolecular Chemistry and Man-made Fibres
Beldie, C., Chemical Thermodynamics
Bold, A., Analytical Chemistry
Budeanu, C., Organic Chemistry
Calistru, C., Technology of Inorganic Substances
Calu, N., Inorganic Chemistry
Carp, E., Organic Chemistry
Comanița, E., Heterocyclic Chemistry
Corlațeanu, E., Agrochemistry
Cruceanu, M., Industrial Technology
Curievici, I., Automation, Chemical Technology
Diaconescu, V., Pulp and Paper Technology
Duca, Al., Analytic Chemistry
Dumitrescu, S., Polymer Physics
Feldman, D., Technology and Processing of Macromolecular Compounds
Fișel, S., Analytical Chemistry
Ghirvu, C., Structural and Quantum Chemistry
Golgoțiu, T., Inorganic Chemistry
Hancu, I., Pollution
Hurduc, N., Physical Chemistry of Macromolecules
Ifrim, S., General Chemistry
Ivășcan, St., Corrosion and Electrochemical Industries
Leonte, C., Organic Chemistry
Leonte, C., Technology of Inorganic Substances
Lixandru, T., Organic Chemistry
Macovei, V., Physical Chemistry
Mocanu, R., Analytical Chemistry
Nacu, Al., Analytical Chemistry
Oniscu, C., Technology of Synthetic and Biosynthetic Drugs
Oprea, Cl., Mecanochemistry of Polymers
Oprea, S., Chemical Organic Technology
Petrovanu, M., Organic Chemistry
Popa, A., General Technology
Poppel, E., Rheology and Equipment in Paper Technology
Rang, A., Inorganic Chemistry
Rozmarin, Gh., Wood Chemistry
Rucinschi, E., Organic Synthesis
Schiopu, M., Physical Chemistry
Schneider, I. A., Chemical Kinetics
Simionescu, C., Macromolecular Chemistry
Tudose, R., Equipment for Macromolecular Compounds Industry
Tutoveanu, M., Organic Chemistry
Vălu, Fl., Machinery for Textile Industry
Vasiliu, R., Electrochemistry
Vicol, O., Inorganic Chemistry

Faculty of Civil Engineering and Architecture:

Amariei, C., Statics, Plastic Design
Anton, C., Railways
Benchea, N., Wood and Steel Bridges
Boghian, V., Industrial Engineering
Braniște, C., Construction Materials
Capatu, Ch., Bridges
Cepareanu, R., Sociology
Ciongradi, I., Dynamics
Cosmulescu, P., Steel Constructions
Diaconu, D., Testing of Structures
Diaconu, M., Resistance of Metals
Dumitrescu, I., Steel Constructions
Focșa, V., Building Theory and Physics
Jeanrenaud, A., Social Sciences
Negoiță, Al., Seismic Engineering
Orlovschi, N., Statics
Pichiu, D., Philosophy
Porumbescu, M., History of Architecture
Porumbescu, N., Architecture
Precupan, D., Strength of Materials
Radu, A., Building Technology
Raileanu, P., Building Foundations
Serbescu, C., Steel Constructions
Silion, T., Foundations
Strat, L., Structural Mechanics
Trelea, A., Construction Technology
Turcu, N., Philosophy
Ungureanu, N., Strength of Materials
Vulpe, A., Statics
Zarojan, H., Highways

Faculty of Electrical Engineering:

Antoniu, M., Electric and Electronic Measurements
Balaban, E., Electrical Drives
Bărbulescu, D., Electrical and Magnetic Measures
Bejan, I., Control Systems
Bergman, I., Electrical Machines
Boțan, N., Electro-Mechanical Controls
Cantemir, L., Electric Traction, Uses of Electric Energy
Filipiuc, I., Electrical Machines
Gavrilaș, N., High-Tension Technology
Giosan, T., Power Systems
Huiu, C., Descriptive Geometry
Leonte, P., Electrical Equipment
Luca, E., Physics
Maxim, Gh., Electronics
Mitrea, S., Fundamentals of Electrical Engineering
Munteanu, V., Electronics

Poeată, Al., Electric Energy
Poeată, N., Digital and Analogue Computers
Popescu, I., Fundamentals of Electrical Engineering
Popovici, A., Electrical Machines
Preda, L., Electrical Equipment of Power Plants
Rosman, H., Fundamentals of Electrical Engineering
Savin, Gh., Fundamentals of Electrical Engineering
Sebastian, L., Control Systems
Turic, L., Industrial Electronics
Valachi, A., Digital and Analogue Computers

Faculty of Hydro Engineering:
Arsenie, D., Hydraulics
Băloiu, V., Erosion and Regulation of Water Courses
Blidaru, E., Hydraulics
Blidaru, V., Irrigation, Draining
Braier, A., Mechanics of Vibration
Climescu, A., Algebra and Related Fields
Corduneanu, A., Algebra and Related Fields
Enescu, I., Algebra and Related Fields
Gheorghiu, E., Amelioration Pedology
Guştiuc, L., Amelioration Pedology
Irimiciuc, N., Theoretical Mechanics
Leonte, C., Reinforced Concrete
Macarevici, L., Water Works
Mangeron, D., Theoretical Mechanics
Mihul, A., Reinforced Concrete
Murgescu, V., Algebra and Related Fields
Oprea, A., Algebra and Related Fields
Patras, M., Reinforced Concrete
Popescu, C., General Agriculture
Ruscior, St., Algebra and Related Fields

Faculty of Textiles:
Chinciu, D., Management and Organization of Textile Industry
Chirita, A., Chemistry and Technology of Tanning Materials
Chirita, Gh., Leather Technology
Cociu, V., Basis of Technology of Leather Products
Cojocaru, N., Spinning Technology
Cuzic, C., Fibre Spinning Technology
Forst, T., Dyeing and Textile Printing
Hagiu, E., Knitted Fabric Structures
Hanganu, V., Machine Parts, Elements of Spinning Machine Design
Liute, D., Preparatory Weaving Processes
Mălcomete, O., Chemistry and Physics of Textile Fibres
Mălcomete, P., Political Economy
Marchiş, A., Structure and Designing of Fabrics
Marchiş, O., Weaving
Mateescu, M., Advanced Weft Knitting
Netea, M., Technology of Wool-spinning
Popa, E., Economy and Organization of Chemical Industry
Preda, C., Nonconventional Textile Structures
Riecher, F., Weaving Machine Design
Rusu, C., Management and Organization of Textile Industry
Vlad, I., Textile Fibres

Faculty of Mechanics:
Ailincai, Gh., Materials Technology
d'Albon, G., Thermo-Technics
Bausic, V., Resistance of Materials
Belousov, V., Cutting Tools
Caşler, Gh., Machine-Tools
Ciobanu, C., Hydraulics and Hydraulic Machines
Ciochina, C., Technology of Materials
Ciubotaru, C., Agricultural Engineering
Coman, Gh., Machine Building Technology
Gafiţanu, M., Machine Vibrations and Acoustics
Gojinetchi, N., Devices
Linde, Cr., Agricultural Machines
Matei, P., Hydraulics and Hydraulic Machines
Merticaru, V., Machine Dynamics
Mocanu, D., Resistance of Materials
Neculaiasa, V., Agricultural Machines
Peretz, D., Thermotechnics
Picos, C., Technology of Machine Building
Plahteanu, B., Machine Tools
Popinceanu, N., Machine Parts
Pruteanu, O., Machine Building Technology
Raileanu, A., Technical Control
Ursescu, D., Gas and Steam Turbines
Zetu, D., Machine Tools
Zugravel, M., Internal Combustion Engines

INSTITUTUL POLITEHNIC "TRAIAN VUIA" TIMIŞOARA

TIMIŞOARA,
BUL. 30. DECEMBRIE 2
Telephone: 3.47.13.
Founded 1920.

State control; Academic year: September to June.

Rector: I. Anton.
Pro-Rectors: E. Pop, H. Theil.
Librarian: I. Ghişe.

Number of teachers: 914.
Number of students: 11,111.

Publication: *Buletinul Ştiinţific* (Scientific Bulletin, half-yearly).

Deans:

Faculty of Mechanics: L. Kovacs.
Faculty of Electrical Engineering: T. Mureşan.
Faculty of Civil Engineering: I. Filimon.
Faculty of Chemical Engineering: D. Becherescu.
Faculty of Agricultural Mechanics: I. Niţă.

Professors:

Faculty of Mechanics:
Anton, I., Hydraulic Turbines and Turbo-Transmissions
Anton, V., Fluid Mechanics and Hydraulics
Barbu, V., Thermo-Technics and Thermo-Technical Plants in Agriculture
Berindean, V., Theory of Internal Combustion Engines
Boleantu, L., Strength of Materials
Creţa, G., Steam Turbines
Dodon, E., Machine Tools
Dreucean, A., Machine Tools and Dimension Control
Gheorghiu, N., Machine Parts
Gyulai, F., Pumps, Ventilators, Compressors
Hajdu, I., Strength of Materials
Hoanca, V., Traction Heat Engines
Kovacs, F., Mechanical Theory and Machine Dynamics
Nanu, A., Technology of Materials
Negreanu, A., Traction Heat Engines
Popa, O., Mechanics of Fluids and Hydraulics
Popovici, V., Equipment for Electric Welding
Rosinger, S., Designing of Stamps and Oil-blocks
Silaş, G., Theoretical Mechanics
Theil, H., Heat Engineering
Truşculescu, M., Study of Metals
Ungureanu, C., Steam Boilers

Faculty of Electrical Engineering:
Bogoevici, N., Basics of Electro-Technics
Bornea, M., Physics
Budisan, N., Automation and Tele-control
Crstici, B., Special Mathematics
De Sabata, I., Basis of Electro-Technics
Dordea, T., Electrical Machines
Fränkel, D., Basics of Electro-Technics
Gheorghiu, O., Special Mathematics
Heinrich, I., Electrical Parts of Power Stations
Heller, A., Electrical Engineering and Machinery
Munteanu, A., Physics
Mureşan, T., Electronic Circuits
Novac, I., Electrical Machines
Policec, A., Medical Electronic Devices
Pop, E., Electrical and Magnetic Measurements
Rothenstein, B., Physics
Seracin, E., Electro-Mechanical Drive and Equipment
Simoi, C., Physics
Sora, C., Basis of Electro-Technics
Suciu, I., Electrical Machines
Văzdăuţeanu, V., Utilization of Electricity

Faculty of Civil Engineering:
Bâlă, M., Hydraulic Engineering
Bota, V. Concrete Bridges
Filimon, I., Reinforced Concrete
Guţescu, D., Topography
Jura, C., Water Supplies
Mateescu, D., Metallic Constructions
Mihăescu, Prestressed Reinforced Concrete
Mîrsu, O., Reinforced Concrete
Munteanu, I., Statics, Stability and Dynamics of Construction
Păunescu, M., Geotechnics and Foundations

Faculty of Chemical Engineering:
Abramovici, R., Technology of Ceramics
Becherescu, D., Furnaces and Drying Plants for Silicates Industry
Blaga, A., Organic Technology
Cocheci, V. Chemical Technology
Drăgoi, Cement Chemistry
Facsko, Gh., Electro-Chemistry and Corrosion
Gropşian, Z., Operations and Equipment in Chemical Industry
Manoviciu, I., Macromolecular Products and Physical Chemistry
Minges, R., Automatic Control Optimization
Tribunescu, P., Physical Chemistry

Faculty of Agricultural Mechanics:
Căproiu, S., Agricultural Machines
Sandru, A., Use of Agricultural Machinery and Labour Protection
Tecuşan, N., Tractors and Automobiles

OTHER INSTITUTES OF HIGHER EDUCATION

Academia de Studii Economice: Bucharest, Piaţa Romană Nr. 6; f. 1913; faculties of economics of production, economic computation and economic cybernetics, commerce, finance, accounting, general economics, foreign trade; 705 teachers, 13,351 students; library of 733,000 vols.; includes the Centre of Economic Computation and Economic Cybernetics; Rector Prof. Dr. Gh. Dolgu; publ. *Studies and Research in Economic Computation and Economic Cybernetics*.

Conservatorul "George Dima": 3400 Cluj-Napoca, Str. 23 August 25; f. 1819, reorganized 1919; faculties of instrumental music and singing, musicology; 101 teachers, 492 students; library of 112,817 vols.; Rector Mrs. Rodica Pop; publ. *Lucrări de Muzicologie* (Musicological Works, annual).

Conservatorul "George Enescu": Iaşi, Str. Cuza Vodă 29; f. 1860, renamed 1960; faculties of music and plastic arts; 90 teachers, 318 students; library of 65,000 vols.; Rector Prof. M. Cozmei; Librarian Ana Dumitrescu.

Conservatorul "Ciprian Porumbescu": Bucharest, Ştr. Stirbei Vodă Nr. 33; f. 1864; faculties of instruments and singing, pedagogy and musical composition, musicology; 193 teachers, 912 students; library of 189,050 vols.; Rector Dr. Petre Brâncuşi.

Institutul Agronomic "N. Balcescu": Bucharest, Bul. Mărăşti Nr. 59; f. 1852; faculties of agriculture, horticulture, animal husbandry, veterinary medicine, land reclamation and improvement; 400 teachers, 3,000 students; library of 437,000 vols.; Rector T. Muresan; publ. *Lucrări Ştiinţifice* (annual).

Institutul Agronomic "Dr. Petru Groza": 3400 Cluj-Napoca, Str. Mănăştur 3; f. 1869; faculties of agriculture, horticulture, veterinary medicine and animal husbandry; 201 teachers; 2,135 students; library of 175,730 vols.; Rector Prof. I. Puia, ph.d., sc.d.; Pro-Rector Prof. Z. Nagy, d.sc.agr.; publ. *Buletinul*†.

Institutul Agronomic "Ion Ionescu de la Brad": Iaşi, Aleea Mihail Sadoveanu 3; f. 1908; faculties of agriculture, horticulture, animal breeding and veterinary medicine; 234 teachers; 2,100 students; 130,000 vols. in library; Rector Prof. Dr. A. Lazăr; publ. *Lucrări Ştiinţifice*† (annually).

Institutul Agronomic Timişoara: Timişoara, Piaţa Unirii 1a; f. 1945; faculties of agronomy, veterinary medicine and zootechnics; 200 teachers, 1,750 students; Rector Prof. Dr. Stefan Romoşan.

Institutul de Arhitectură "Ion Mincu": Bucharest, Str. Academiei 18-20; f. 1897; Architecture and Town Planning; 137 teachers, 1,053 students; library of 139,000 vols.; Rector Prof. Arch. Dr. Cezar Lăzărescu; publ. *Studii şi proiecte* (Studies and Designs).

Institutul de Arte Plastice "Ion Andreescu" (*Institute of Fine and Decorative Art "Ion Andreescu"*): Cluj-Napoca, Sq. Libertăţii 31; f. 1950; departments of Fine Arts (painting, sculpture, print-making), Decorative Arts (textiles, ceramics, glass, metal, interior design); 58 teachers, 227 students; library of 47,000 vols.; Rector L. Feszt; Dean E. Bacila; publ. termly bibliographical bulletin.

Institutul de Arte Plastice "N. Grigorescu": Bucharest, Str. Gl. Budişteanu Nr. 19; f. 1864; departments of Fine Arts, Decorative Arts; 111 teachers, 480 students; library of 149,109 vols.; Rector Dr. Vasile Dragut.

Institutul de Artă Teatrală şi Cinematografică "I. L. Caragiale": Bucharest, Bul. Bălcescu 2; f. 1864; 117 teachers, 280 students; the library contains 62,000 vols.; Rector Prof. Mircea Drăgan.

Institutul de Construcţii (*Institute of Civil Engineering*): Bucharest, Bul. Republicii 176; f. 1948; faculties of civil, industrial and agricultural engineering; railways, roads, bridges and geodesy; hydraulics; building installations and construction equipment; 625 teachers, 7,500 students; library of 500,000 vols.; Rector D. Ghiocel; publ. *Scientific Bulletin*† (quarterly).

Institutul de Educaţie Fizică şi Sport (*Institute of Physical Education and Sport*): Bucharest, Str. Maior Ene 12; f. 1922; teacher training; 151 teachers, 1,130 students; library of 149,000 vols.; Rector Ion Şiclovan; Dean Prof. Aristeia Hrişcă.

Institutul de Medicină: Timişoara, Piaţa 23 August nr. 2; f. 1945; faculties of general medicine, paediatrics, stomatology; 272 teachers, 2,745 students; library of 147,000 vols.; Rector Prof. Dr. St. Gavrilescu; publ. *Timişoara Medicala* (quarterly).

Institutul de Medicină şi Farmacie: Bucharest, 37 str. Dionisie Lupu; f. 1857; faculties of general medicine, stomatology, pharmacy, paediatrics; postgraduate medical school; 1,257 teachers, 7,015 students; Rector Eugen Proca; publs. *Anuarul* (Annual), *Invăţămîntul Medical şi Farmaceutic* (Medical and Pharmaceutical Education).

Institutul de Medicină şi Farmacie: Cluj-Napoca, Str. 1 Mai 13; f. 1919; faculties of general medicine, paediatrics, dentistry and pharmacy; 579 teachers, 3,814 students; library of 274,406 vols.; Rector I. Baciu; publs. *Clujul Medical* (Medical Cluj), *Anuarul* (Annual).

Institutul de Medicină şi Farmacie: Iaşi, Str. Universităţii 16; f. 1879; faculties of general medicine (with a section on paediatrics), stomatology and pharmacy; 390 teachers, 2,941 students; Rector Prof. Dr. Gh. Scripcaru.

Institutul de Medicină şi Farmacie: Tîrgu-Mureş, Str. Gheorghe Marinescu 38; f. 1945; faculties of medicine (including general medicine and paediatrics), stomatology, pharmacy; 345 teachers, 2,140 students; library of 220,000 vols.; Rector László Ioan; publ. *Revista Medicală* (twice a year).

Institutul de Mine Petroşani (*Mining Institute Petroşani*): 2675 Petroşani, Str. Institutului 20; f. 1948; 152 teachers, 2,014 students; library of 31,632 vols. and 261 current periodicals; Rector Prof. Dr. Ing. Constantinescu Ilie.

Institutul de Petrol şi Gaze: 2000 Ploieşti, Bulevardul Bucureşti nr. 39; f. 1948; faculties of oil and gas drilling and exploitation, technological equipment, oil processing technology, petro-chemistry; postgraduate training courses (UNESCO); 322 teachers, 3,800 students; library of 350,000 vols.; Rector Prof. Dr. Ing. St. Dumitrescu; publ. *Buletinul Institutului de Petrol şi Gaze (Studii şi cercetări)*†.

Institutul de Teatru "Szentgyörgyi István": Tîrgu-Mureş, Str. Köteles Samuel 6; f. 1948; 26 teachers, 34 students; Rector M. Tompa.

Academia "Stefan Gheorghiu" pentru Pregatirea şi Perfectionarea Cadrelor de Conducere (*"Stefan Gheorghiu" Academy for Management Training*): Bucharest, Bd. Armata Poporului Nr. 1-3; f. 1945; consists of Institute for Training Cadres in the Problems of Social-Political Management; Central Institute for the Training of Senior Cadres in Economy and State Administration; Faculty of Journalism; Central School for Training Trade Union Cadres; Central School for Training Cadres of The Union of Communist Youth; Centres for the Higher Training of Party, of Senior Cadres in Economy and State Administration, of Personnel in the Field of Foreign Relations; Institute for Political Sciences and for Studying the National Problem; International CEPECA Centre for Training and Perfecting Senior Cadres in Economic Enterprises and State Administration in the Developing Countries.

Rector and President of Council: Leonte Rautu.

Scientific Secretary: I. Florea.

Publications: *Analele Academiei "Stefan Gheorghiu"* (2 a year), *CEPECA Review* (2 a year, in Romanian), *CEPECA Management Training Review* (2 a year, in English).

RWANDA

Population 4,233,000

RESEARCH INSTITUTES

Institut des Sciences Agronomiques du Rwanda—I.S.A.R.: B.P. 138, Butare; f. 1932; 950 personnel; six centres; library of 2,000 vols.; Gen. Man. FAUSTIN IYAMUREMYE; publs. Annual Report†, Technical Letters†. Includes the following branches:

Rubona: laboratories (chemistry, technology, phytopathology), environmental studies, phytotechnics (living plants, cash crops: coffee, tobacco), zootechnics.

Songa: zootechnics (cattle, sheep, poultry).

Rwerere: high altitude cultures (wheat, peas, potato).

Karama: phytotechnics (living plants, irrigation), zootechnics (cattle, goats).

Ruhande: forestry.

Tamira: high altitude cultures (pyrethrum).

Service Géologique du Rwanda: Ministère des Ressources Naturelles, des Mines et des Carrières, B.P. 413, Kigali; f. 1962; geological services to the Government and private industry; to prepare a geological map of Rwanda; prospecting; library of 6,000 vols.; Dir. J. ZIGIRABABILI; publ. *Bulletin du Service Géologique* (annually).

UNIVERSITY

UNIVERSITÉ NATIONALE DU RWANDA

B.P. 117, BUTARE
Telephone: 271/2/3.
Founded 1963.

Language of instruction: French; State control; Academic year: October to July (three terms).

Rector: SYLVESTRE NSANZIMANA.
Vice-Rector: DISMAS GASHEGU.
Secretary-General: SPIRIDION SHYIRAMBERE.
Chief Librarian: EMMANUEL SERUGENDO.

Library of 65,000 volumes.
Number of teachers: 115.
Number of students: 683.

Publication: *Etudes Rwandaises* (termly).

DEANS:

Faculty of Letters: JEAN LUC RONDREUX.
Faculty of Medicine: Dr. JOHN GAHUNGU NEWPORT.
Faculty of Sciences: ANDRÉ TURCOTTE.
Faculty of Social and Economic Sciences: JEAN DUCHARME.
Faculty of Law: Prof. V. WIEME.

AFFILIATED INSTITUTES:

Institut National de Recherche Scientifique: P.O.B. 80, Butare; f. 1947 as the Institut pour la Recherche Scientifique en Afrique Centrale; undertakes basic research in anthropology, economics, geophysics, and in animal, vegetable and mineral resources; library of 3,000 vols.; 2 stations at Uinka and Mimuli; Dir. and Prof. of Botany PAUL DEUSE; Prof. of Linguistics ANDRÉ COUPEZ; Prof. of Social Anthropology MARCEL D'HERTEFELT; Prof. of Nutrition H. VIS; publ. *Publications de l'Institut.*

Ecole Supérieure des Sciences Infirmières: f. 1969; 40 students; Dir. THÉRÈSE ZALLONI.

TECHNICAL COLLEGE

Ecole Technique Officielle Don Bosco: B.P. 80, Kigali; f. 1956.

SAUDI ARABIA

Population 7,012,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

American Center: P.O.B. 149, Medina Rd., Jeddah; f. 1964; English Language centre; library of 4,000 vols.; Dir. M. J. NUGENT.

Arab Archaeological Society: Mecca.

British Council: P.O.B. 2701, off Washem St., Mura'aba, Riyadh; libraries: *see* Libraries; Rep. Dr. F. H. TAYLOR; P.O.B. 3424, Jeddah; Regional Dir. J. A. D. McGRATH.

Bureau de Recherches Géologiques et Minières: P.O.B. 1492, Jeddah. (*See* main entry under France.)

Higher Council for Promotion of Arts and Letters: Riyadh; Dir.-Gen. ABDULLAH BEN ABDULAZIZ IDRIS.

Industrial Studies and Development Centre: P.O.B. 1267, Riyadh; f 1967; research and studies on the preparation of industrial policy, guidance for the establishment of new industries, implementation of research projects; provides technical assistance to industry: advice on equipment, plant operation, management, marketing, etc.; films and documentaries on industry in Saudi Arabia and abroad; 98 specialist staff; library of 7,500 vols., 100 journals, 200 films; Dir.-Gen. RIDA M. ABBAR; publs. *Alam Elsenaat*† (2 a year), *Elnashrah Elsenaya*† (every 2 months), annual reports†, specialized booklets for industry†, research studies†, *Guide to Industrial Investment in Saudi Arabia*.

King Abdulaziz Research Centre: P.O.B. 2945, Riyadh; f. 1972 in memory of the late king; historical, geographical, literary and cultural material; library of 7,000 vols.; also the private library of the late king (2,000 vols.); historical archive including documents in various languages, especially Turkish and English; King Abdul Aziz Memorial Hall shows events in the late king's life, especially his military battles; Sec.-Gen. TAMI IBN HUDAYF AL-BUQMI; publ. quarterly cultural magazine.

Society of Esaff Alkhairia: Mecca; f. 1946; Pres. H.E. Sheikh MUHAMMAD SAROUR AL-SABBAN; Hon. Sec. Sheikh AHMED SIBAI.

LIBRARIES

Abbas Kattan Library: Mecca; 7,800 vols., 200 MSS.

Arif Hikmat Library: Medina; 1,500 vols., 4,500 MSS.

British Council Libraries: P.O.B. 2701, Off Washem St., Mura'aba, Riyadh; f. 1970; 5,614 vols., 58 periodicals; Flat 9, 3rd Floor, Jamioum Bldg., Jeddah; f. 1968; 1,609 vols., 22 periodicals.

Dar al Kutub al-Wataniya: King Faisal Street, Riyadh; f. 1963; run by the Ministry of Education; model public library with children's and reference sections and periodicals department; 36,935 vols. in Arabic, English and French, 150 MSS.; Dir. ABDUR RAHMAN AL SARRA.

Educational Library: General Directorate of Broadcasting, Press and Publications, Jeddah.

Institute of Public Administration Library: P.O.B. 205, Riyadh; f. 1962; 45,000 vols. in Arabic and English; Dir. MOHAMMAD BIN ABBASS.

Library of Alharam: Mecca; 6,000 vols.

Library of Islamic University: Medina Munawarah; consists of a central library and three college libraries (law, theology and secondary institute); total number of vols. 30,000.

Library of Madrasat Ahl Al Hadith: Mecca.

Medina Awkaf Libraries:

Aref Hikmet Library: 6,000 vols., 5,000 MSS.
Mahmoudia Library: 3,600 vols., 3,220 MSS.
Medina General Library: 10,000 vols., 3,500 MSS.
Holy Quran Library: 2,000 Quran MSS.

General Supervisor and Librarian: SAID ELDERBY.

National Library: Riyadh; f. 1968; 16,000 vols.; Gen. Dir. TAMI H. EL BOKOMI.

Riyadh University Libraries: P.O.B. 2454, Riyadh; f. 1957; central library and 10 branches; 351,417 vols., 3,521 periodicals, 6,557 MSS.; Dean Dr. A. M. Al-Dhubaib; publs. *Accession List* (quarterly), *Abstracts of Periodicals, Union List of Periodicals* (annually), *Union List of Books, MSS Catalogue* (irregular), *Analytical Indexes of R.U. Council's Resolutions* (annually), *Bibliographies* (irregular), scientific publications.

The Saudi Library: Riyadh; 14,800 vols., 200 MSS.

There are 35 other public libraries.

UNIVERSITIES

UNIVERSITY OF RIYADH

P.O.B. 2454, RIYADH
Telephone: 29500
Founded 1957.

Languages of instruction: Arabic and English; State control; Academic year: September to June.

Chancellor: The Minister of Higher Education.
Vice-Chancellor: Dr. ABDEL-AZIZ ABDULLAH AL-FADDA.
Pro-Vice-Chancellors: Dr. SALEH ABDUL RAHMAN AL-ATHEL, Dr. HAMOUD ABDUL AZIZ AL-BADR.
Registrar: Dr. ABDUL WAHAB MANSOURY.
Librarian: Dr. AHMAD MOHAMMAD AL-DHUBAIB.

Number of teachers: 1,107.
Number of students: 10,274.

Publications: *Annual Report*†, various faculty bulletins†.

DEANS:

Faculty of Arts: Dr. EZZAT ABDUL MAJID KHATTAB.
Faculty of Science: Dr. ABDULLAH AL-KADHI AL-MOHAMMADI.
Faculty of Administrative Sciences: Dr. OSAMA ABDUL RAHMAN OTHMAN.
Faculty of Pharmacy: Dr. IBRAHIM AL-SOWAIGH.
Faculty of Agriculture: Dr. NABIL YEHIA ABDULLAH.
Faculty of Engineering: Dr. TALAL ABDUL KAREEM BAKR.
Faculty of Education: Dr. MOHAMMAD AL-AHMAD AL-RASHEED.
Faculty of Medicine: Dr. JAMAL ABDUL QADIR FATANI.

Faculty of Dentistry: Dr. Amin Abdullah Siraj.
Arabic Language Institute: Dr. Mahmood Esmail Sieny.
Faculty of Allied Medical Sciences: Dr. Munir Umar Abbas.
Faculty of Education in Abha: Dr. Mazyad Ibrahim al-Mazyad.
Women's Academic Studies Centre: Dr. Salman Abdul Rahman al-Salman.

IMAM MUHAMMAD IBN SAUD ISLAMIC UNIVERSITY

P.O.B. 5701, RIYADH

Founded 1950, University status 1974.

Language of instruction: Arabic; State control; Academic year: October to June.

Courses in Islamic Studies, Arabic Literature, Language and Social Science.

Chancellor: The Minister of Higher Education.
Rector: Abdul-Aziz bin Mohammed al-Sheikh.
Vice-Rector: Abdullah ben Abdul Mohsin Rahman Al-Turki, ph.d.
Secretary-General: Saleh Abdullah Al-Malik.

Number of students 11,200 (in 37 institutes).

Constitutent Colleges:

College of Sharia: f. 1953; Islamic law and religious principles; 85 teachers, 1,731 students; Dean el-Sheik Abdul-Aziz El-Said.

Arabic Language and Social Science College: f. 1954; 72 teachers, 1,086 students; Dean Dr. Abdullah el-Turkey.

Higher Institute of Juridical Studies: f. 1965; 15 teachers, 127 students; Dir. el-Sheikh Manaa Kataan.

ISLAMIC UNIVERSITY

P.O.B. 170, MEDINA

Founded 1961

Chancellor: The Minister of Higher Education.
Vice-Rector: Abdul Muhsin ben Hamad Al-Abbad.

Number of teachers: 85.
Number of students: 1,055.

KING ABDULAZIZ UNIVERSITY

P.O.B. 1540, JEDDAH

Telephone: 29033, 29202, 29130, 29404.

Founded 1967.

Languages of instruction: Arabic and English; State control; Academic year: September to June.

Chancellor: The Minister of Higher Education.
Rector: Dr. M. Omar Zubeir.
Vice-Rector: Dr. Abdullah Omer Naseef.
Secretary-General: Dr. Mohamad Ali Hibshi.
Director of Libraries: Dr. A. S. Tashkandy.

Library (Jeddah Campus) contains 75,000 vols., 1,000 periodicals.

Library (Mecca Campus) contains 40,000 vols., 400 periodicals.

Number of teachers: 546.
Number of students: 9,986.

Publication: *Akhbar-al-Jameah* (University News, monthly).

Deans:

Faculty of Shariah and Islamic Studies (Mecca): Dr. Rashid ben Rajih ben Mohamad Alshareef.
Faculty of Education (Mecca): Dr. Abdul Aziz Khuja.
Faculty of Arts and Humanities: Dr. Mohamed Zayan Omar.
Faculty of Economics and Administration: Dr. Hasan Abu Roukba.
Faculty of Science: Dr. Nazar Taufiq.
Faculty of Engineering: Abdallah Yousef Bakor.
Faculty of Medical Sciences: Abdullah Husain Basalamah.

KING FAISAL UNIVERSITY

P.O.B. 1982, DAMMAM

Founded 1975.

Vice-Chancellor: Moh. Said Abdul Rahman Al-Qahtani, ph.d. (acting).

Faculties of agriculture and food sciences, architecture, medicine.

Number of teachers: 28.
Number of students: 170.

THE UNIVERSITY OF PETROLEUM AND MINERALS

DHAHRAN

Telephone: Dhahran 73200/70300

Founded 1963, University status 1975.

State control with semi-autonomous operation under a Board of the University; Languages of instruction: English (for technical subjects) and Arabic; Academic year: September to June.

Chair. of Board of Trustees: H.E. Sheikh Hassan ibn Abdullah al-Sheikh, Minister of Higher Education.
Rector: Dr. Bakr Abdullah Bakr.
Vice-Rectors: Dr. Abdel Aziz al-Gwaiz, Dr. Fahd H. al-Dakhil.
Secretary-General: Dr. Saleh A. Bakhrebah.
Senior Adviser: Dr. Robert King Hall.
Registrar: Norman Keith Hester.
Librarian: Michael L. Moran.

Number of teachers: 288.
Number of students: 2,369.

Publications: *Arabian Journal for Science and Engineering*† (2 a year), *ELI Monthly*† (English Language Institute), *DPC Bulletin*† (Data Processing centre monthly), *Library Scene*† (quarterly), *Faculty News Bulletin* (weekly), annual handbook, academic bulletins, student publications, etc.

Deans:

Science: Dr. Ali A. al-Daffa.
Engineering Science: Dr. Youssef O. al-Rashid.
Industrial Management: Dr. Henry H. Albers.
Graduate School: Dr. Hashim Yamani.

INSTITUTES OF HIGHER EDUCATION

English Language Teaching Institute: P.O.B. 2701, Riyadh; f. 1969 by Ministry of Education and directed by the British Council; library of 6,000 vols. available to teachers and scholars of the English language; Dir. of Studies Christopher Bury.

Institute of Public Administration: P.O.B. 205, Riyadh; f. 1961; conducts training courses for government employees; researches into and offers advice on administrative problems; Dir. Fahad Dughaither.

Jeddah Health Institute: Jeddah; provides basic medical training; similar Institutes at Riyadh and Hofouf.

King Abdulaziz Military Academy: Riyadh; f. 1955; courses given in modern languages, including English, French and Hebrew, science and military subjects.

Madrasat Ahl Al Hadith: Mecca; f. 1933; the College provides instruction in the Hadith, Koran, Fiqh, Tawheed and other Islamic religious studies; Principal Sheikh MUHAMMAD ABDUL RAZZAQ; Sec. MUHAMMAD OMAR ABDULHADI.

Saudi Arabian Institute for Higher Education: Mecca; f. 1962; courses in education, engineering, English, mathematics and physics; 125 students.

School of Applied Arts: Medina; f. 1955; approx. 300 students.

Technical Institute: Riyadh; f. 1964; 1,000 students.

SENEGAL

Population 5,085,000

LEARNED SOCIETIES

Alliance Française: B.P. 1777, Dakar.

American Cultural Center: Dakar Building, Place de l'Indépendence; f. 1958; 3,000 mems.; library of 5,000 vols. on American culture, history, politics, general reference works, African literature; Librarian Mme Louise Diaw; publs. *Panorama* (twice weekly).

British Council: 38 Blvd. de la République, B.P. 6025, Dakar; Rep. H. B. Bending.

British Institute: rue du 18 juin, B.P. 35, Dakar; f. 1967; built as part of British technical aid and financed by the Senegalese Govt.; English Language Teaching and Resource Centre for Ministry of Higher Education; library of 6,000 vols.; *c.* 700 students; Dir. H. Brewer.

Bureau Régional pour l'Education en Afrique (Unesco): B.P. 3311, Dakar; f. 1970; organizes regional activities which contribute to national programmes of educational development in African countries south of the Sahara, holds regional and national training courses on educational planning and administration, provides technical aid in the fields of educational facilities, teacher training, adult education, and new methods and techniques of education, through UNESCO experts; library of 9,000 vols.; Dir. Bakari Kamian; publs. *Liste trimestrielle des nouvelles acquisitions*, *Rapports trimestriels d'activités*, *EducAfrica*† (twice-yearly), various studies, reports and papers.

Centre d'Etudes et de Documentation Législatives Africaines (CEDLA): Dakar.

Institut Géographique National (Agence de Dakar): 7 rue Jean Mermoz, B.P. 4016, Dakar: f. 1945; relations with the governments of Senegal, The Gambia, Guinea-Bissau, Liberia and Mauritania; cartography of these States; Chief M. Calvez.

RESEARCH INSTITUTES

Bureau de Recherches Géologiques et Minières: B.P. 268, Dakar; also directs research in Mali and Mauritania; Dir. M. Delafosse.

Centre de Recherches et de Documentation du Sénégal (C.R.D.S.): B.P. 382, Saint-Louis; f. 1943 as Centre IFAN-Senegal; 19 mems.; library of 18,021 vols.; Dir. Léonard Saimiké; Librarian Ibrahima Soumaré.

Centre Technique Forestier Tropical: Division des Recherches Piscicoles, Résidence Faidherbe; B.P. 28, Richard-Toll; f. 1966; fishery research; Dir. C. Reizer.

Institut d'Hygiène Sociale: ave. Blaise-Diagne, Dakar.

Institut de Recherches pour les Huiles et Oléagineux: Bambey; brs. at Louga and Darou.

Institut Fondamental d'Afrique Noire (IFAN): Université de Dakar, B.P. 206, Dakar; f. 1936, reconstituted 1959; scientific and humanistic studies on Black Africa; library and museums (*see* below); Dir. Prof. Amar Samb; publs. *Bulletin de l'I.F.A.N.*, Série A—Sciences Naturelles (trimestriel), Série B—Sciences Humaines (semestriel), *Notes Africaines* (trimestriel), *Mémoires de l'I.F.A.N.*, *Initiations et Etudes Africaines*, *Instructions Sommaires*, Catalogue, Documents, etc.

Institut Pasteur: B.P. 220, Dakar; f. 1896; medical research; library of 1,126 vols., 54 periodicals; Dir. Dr. Y. Robin; publ. *Annual Report*.

Institut Sénégalais de Recherches Agricoles (ISRA): B.P. 3120, Dakar; f. 1975; research in all fields of agriculture, forestry and pisciculture; Dir. L. A. Sauger.

Controls the following:

- **Centre National de Recherches Agronomiques de Bambey:** B.P. 41, Bambey; f. 1921; applied agricultural research; 45 research mems.; library of 6,700 vols.; stations at Darou, Djibélor, Louga, Nioro-du-Rip, Richard-Toll, Séfa, Sinthiou-Malème; Dir. G. Beye; publs. *Rapport de synthèse*†, *Annuaire analytique des travaux de l'IRAT au Sénégal* (each annually).
- **Laboratoire National de L'Elevage et de Recherches Vétérinaires:** B.P. 2057, Dakar; f. 1935; six departments; library of 12,000 vols.; Dir. A. K. Diallo.
- **Centre National de Recherches Forestières:** B.P. 2312, Dakar-Hann; Dir. P. Giffard.
- **Centre de Recherches Océanographiques de Dakar-Thiaroye (CRODT):** B.P. 2241, Dakar; f. 1956; for the study of oceanographic physics and biology; 15 scientists; 450 vols. and 74 periodicals in library; Dir. J. Chabanne (*see* main entry under France).
- **Centre de Recherches Zootechniques de Dahra-Djoloff:** Dahra-Djoloff; f. 1950 as Centre d'Elevage du Djoloff; Dir. Dr. P. A. I. Thiongane.
- **Centre de Recherches Zootechniques de Kolda:** f. 1972; amelioration of local bovine and ovine breeds; fodder cultivation; Dir. Dr. El Hadji Gueye.

Office de la Recherche Scientifique et Technique Outre-Mer Centre ORSTOM de Dakar: Route des Pères Maristes, B.P. 1386, Dakar; soil biology, pedology, medical entomology, hydrology, geology, nematology, demography, economics, zoology, botany, agronomy, geography, geophysics, sociology, nutrition; library; Dir. C. Monnet. (*See* main entry under France.)

Office de la Recherche Scientifique et Technique Outre-Mer (ORSTOM) Station Ecologique de Richard-Toll: B.P. 20, Richard-Toll; ecology, ornithology; Dir. Dr. G. Morel.

Organisme de Recherches sur l'Alimentation et la Nutrition Africaines (ORANA): 39 Avenue Pasteur, B.P. 2089, Dakar; f. 1956; research on African foods and nutritional values, investigations, documentation, teaching; 30 mems.; Dir. Dr. A. M. N'Diaye.

LIBRARIES

Archives de Sénégal: Immeuble administratif, Av. Roume, Dakar; f. 1913; 18,330 vols., 1,011 periodicals; Dir. J. F. Maurel; publ. *Bibliographie du Sénégal* (2 a year).

Bibliothèque de l'Alliance Française: 10 rue Colbert, B.P. 1777, Dakar; f. 1948; 10,000 vols.; Librarian M. Caussade.

Bibliothèque de l'Institut Fondamental d'Afrique Noire: B.P. 206, Dakar; f. 1938; research in social and natural sciences; 60,000 vols., 7,000 brochures, 4,002 collections of periodicals, 1,600 microfilms, 2,565 maps, 32,000 photographs, 2,100 slides, 12,200 files of documents; Librarian Ahmadou Gassama.

Bibliothèque de l'Université de Dakar: B.P. 2006, Dakar; f. 1952; Law, Humanities, Medicine, Pharmacy, Veterinary Science, Sciences; 184,841 vols., 11,700 pamphlets, 4,800 periodicals; Dir. JEAN DONATI.

MUSEUMS

Musées de l'Institut Fondamental d'Afrique Noire: B.P. 206, Dakar.

Musée d'Art Africain de Dakar: f. 1936; ethnography and African art; Curator A. DIOP; Administrator B. THIAM.

Musée Historique: Gorée; Curator S. M. CISSOKO

Musée de la Mer: Gorée; f. 1959; sea sciences, oceanography, fishing; Curator J. MAIGRET.

UNIVERSITY

UNIVERSITÉ DE DAKAR

(University of Dakar)

DAKAR-FANN

Telephone: 329-76.

Founded 1949, University 1957.

State control; Language of instruction: French;
Academic year: October to July.

Rector and President: SEYDOU MADANI SY.

Vice-President: ALASSANE NDAW.

Secretary-General: ALIOUNE DIOP.

Librarian: JEAN DONATI.

Library: *see* Libraries.

Number of teachers: 539.
Number of students: 8,753.

Publications (periodical): *Annales Africaines* (annual), *Annales de la Faculté des Sciences* (annual), *Bulletin et Mémoires de la Faculté mixte de Médecine et de Pharmacie* (annual).

DEANS:

Faculty of Law and Economics: IBRAHIMA FALL.
Faculty of Medicine and Pharmacy: IBRAHIMA MAR DIOP.
Faculty of Sciences: S. NIANG.
Faculty of Arts and Humanities: ALASSANE NDAW.

ATTACHED INSTITUTES:

Centre de Linguistique Appliquée de Dakar (CLAD): Dir. PIERRE DUMONT.

Centre de Recherches, d'Etudes et de Documentation sur les Institutions et la Législation Africaines (CREDILA): Dir. ABDEL KADER BOYE.

Centre de Recherches Biologiques sur la Lèpre: Dir. YVETTE PARES.

Centre de Recherches Economiques appliquées (CREA): Dir MAKHTAR DIOUF.

Centre de Recherches psychopathologiques: Dir. HENRI COLLOMB.

Centre d'Etude des Sciences et Techniques de l'Information: f. 1965; offers Diploma courses in journalism; Dir. FRANÇOIS PROVENCHER.

Centre des Hautes Etudes Afro-Ibéro-Américaines: concerned with all matters interesting Africa and Latin America in the fields of Law, Science and the Arts; Dir. RENÉ DURAND.

Cours de Langue et Civilisation françaises: Dir. GENEVIEVE NDIAYE.

Ecole des Bibliothécaires, Archivistes et Documentalistes: Faculty of Arts and Social Sciences, B.P. 3252, Dakar; f. 1963, attained present status as university institute 1967; provides a two-year librarianship course, giving priority to students from French-speaking countries in Africa; Dir. A. BOUSSO.

Ecole Inter-Etats des Sciences et Médecine Vétérinaires: representing 12 French-speaking African countries; Dir. Prof. A. L. NDIAYE.

Ecole normale supérieure: Dir. IBA DER THIAM.

Institut de Médecine Tropicale Appliquée: Dir. MARC SANKALE.

Institut de Pédiatrie Sociale: Dir. GABRIEL SENGHOR.

Institut de Physique Météorologique "Henri Masson": Dir. DJIBRIL FALL.

Institut de Recherches sur l'Enseignement de la Mathématique, de la Physique et de la Technologie: Dir. SOULEYMANE NIANG.

Institut d'Odontologie et de Stomatologie: Dir. GUY GRAPPIN.

Institut Fondamental d'Afrique Noire (*see under* Research Institutes).

Institut Universitaire de Technologie: B.P. 3266, Dakar; Dir. ANDRÉ KERGREIS.

The Université Gaston Berger was due to open in 1978 at Port Louis.

COLLEGES

Ecole Nationale d'Administration du Sénégal: B.P. 5209, Dakar; f. 1959; Dir. A. N'DENE N'DIAYE.

Institut Africain de Développement Economique et de Planification: rue 18 Juin, Dakar; administered by the UN; trains specialists and officials of African government services responsible for economic development and planning, conducts research in order to prepare the teaching material and documentation required for the organization of seminars, conferences and courses; offers fellowships to enable young Africans holding a "D.E.S." or M.A. and having some working experience to follow a six-month research training course; Dir. SAMIR AMIN.

SIERRA LEONE

Population 3,111,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: Tower Hill, P.O.B. 124, Freetown; library of 7,069 vols., 120 periodicals; Rep. D. R. HOWELL; Librarian Mrs. E. R. AWUNOR-LUKE.

Geological Survey Division: Ministry of Mines, Lands and Labour, New England, Freetown; f. 1918; to locate mineral deposits and to advise on all matters relating to the earth; library of 16,000 vols. including periodicals; Dir. A. H. GABIRI; publs. *Annual Report*, *Bulletin*, *Short Papers* (all annually).

Institute of Marine Biology and Oceanography: Fourah Bay College, University of Sierra Leone, Freetown; f. 1966: undertakes research in oceanography, marine algae and plankton, fishery biology and management, aquaculture and pollution of estuaries; Dir. Prof. D. E. B. CHAYTOR.

International Communication Agency: 8 Walpole St., Freetown; American cultural centre.

Sierra Leone Library Association: c/o Sierra Leone Library Board, P.O.B. 326, Freetown; f. 1970; 40 mems.; Pres. J. S. T. THOMPSON; Sec. MARION ATERE-ROBERTS; publs. *Sierra Leone Library Journal*†, directories of libraries and information services†.

Sierra Leone Science Association: c/o Institute of Marine Biology and Oceanography, Fourah Bay College, University of Sierra Leone, Freetown; Pres. E. T. COLE; Hon. Sec. Dr. I. W. O. FINDLAY.

Sierra Leone Society: c/o Department of Modern History, University of Sierra Leone, Freetown; f. 1918; literature, arts, music, history, social sciences; publ. *Sierra Leone Studies*† (2 a year).

LIBRARIES AND MUSEUMS

Fourah Bay College Library: University of Sierra Leone, Freetown; f. 1827; 105,168 vols., 500 current periodicals; Librarian Mrs. G. M. SHERIFF, B.A., M.S., F.L.A.

J. J. Thomas Library: Water St., Freetown; 19,000 vols.

Public Archives of Sierra Leone: c/o Fourah Bay College Library, P.O.B. 87, Freetown; Hon. Archivist Mrs. G. M. SHERIFF.

Sierra Leone Library Board: P.O.B. 326, Freetown; f. 1961; aims to provide a national library service; 328,147 vols., 67 periodical titles; libraries at Freetown, Bo Magburaka, Makeni, Kambia, Pujehun, Kailahun, Kenema, Kono, Bonthe, Mattru; Chief Librarian M. B. JONES; publ. *Annual Report*, *Sierra Leone Publications* (annually).

Sierra Leone National Museum: Cotton Tree Building, P.O.B. 908, Freetown; historical, ethnographical and archaeological collection; Curator DOROTHY A. VAN AMSTERDAM-CUMMINGS.

UNIVERSITY AND COLLEGES

UNIVERSITY OF SIERRA LEONE

PRIVATE MAIL BAG,
FREETOWN

Established 1967 and incorporating Fourah Bay College and Njala University College; inaugurated February 1969.

State control; Language of instruction: English; Academic year: October to June.

Chancellor: H.E. SIAKA P. STEVENS, D.C.L., President of the Republic of Sierra Leone.

Pro-Chancellor: A. B. KAMARA, LL.M.

Vice-Chancellor: Dr. A. T. PORTER, M.A., PH.D.

Pro-Vice-Chancellor: J. A. KAMARA, D.T.V.M., M.R.C.V.S.

Secretary: T. J. TUCKER, B.A., B.ED.

Publication: *Calendar and Prospectus* (annually).

Fourah Bay College

P.O.B. 87, FREETOWN
Telephone: Freetown 27367.

Founded by the Church Missionary Society in 1827, it was affiliated to the University of Durham in 1876 and became a constituent college of the University of Sierra Leone in 1966.

Language of instruction: English; Academic year: October to June.

Principal: Prof. E. D. JONES, M.A., PH.D.

Registrar: I. S. A. COLE, M.A. (acting).

Librarian: GLADYS M. O. SHERIFF, B.A., M.S., F.L.A.

Library: *see* Libraries.

Number of teachers: 131.
Number of students: 984.

Publications: *Principal's Annual Report*, *Sierra Leone Studies*, *Sierra Leone Bulletin of Religion*, *Fourah Bay College Library Annual Report*.

DEANS:

Faculty of Economic and Social Studies: Dr. W. S. M. JONES, LL.M., J.S.D., B.L.

Faculty of Arts: C. P. FORAY, B.A.

Faculty of Pure and Applied Science: Prof. M. O. WILLIAMS, PH.D.

Faculty of Engineering: Dr. N. J. GARBER, M.S., PH.D., C.ENG., M.I.C.E., M.A.S.C.E.

PROFESSORS:

Faculty of Arts:
  JONES, E. D., English
  LECINA, R. L., Modern Languages

Faculty of Pure and Applied Science:
  CHAYTOR, D. E. B., B.SC., PH.D., Zoology
  COLE, N. H. A., M.SC., PH.D., F.L.S., Botany
  THORPE, M. B., Geography
  WILLIAMS, E. J. A., B.SC., PH.D., Mathematics
  WILLIAMS, M. O., M.A., PH.D., Zoology
  WRIGHT, J. H., B.SC., PH.D., F.R.I.C., Chemistry

Faculty of Engineering:
  THOMAS, M. E. K., PH.D., C.ENG., M.I.C.E., Engineering

Njala University College

PRIVATE MAIL BAG, FREETOWN
Telephone: 08.
Founded 1963.

State control; Language of instruction: English; Academic year: October to July.

Principal: Prof. JOHN KAMARA, D.T.V.M., M.R.C.V.S.

Senior Assistant Registrar: GEORGE B. GOBA, B.SC., M.A.

Librarian: Mrs. M. O. AKINSULURE, B.A., M.L.S. (acting).

Number of teachers: 114.
Number of students: 610.

Publications: *University Calendar*, *College Prospectus* (every 2 years), *Gazette* (annually), *College Newsletter* (monthly).

DEANS:

Education: Dr. A. I. KAMARA.
Agriculture: Dr. W. E. TAYLOR.

PROFESSORS:

Faculty of Education:

GWYNNE-JONES, D.R.G., M.A., Geography
HEIKEN, A. G., PH.D., D.SC., Biological Sciences
WEAVER, D. J., M.A., English

Faculty of Agriculture:

BLOKHUIS, W. A., Agronomy
KAMARA, J. A., Animal Science

ATTACHED INSTITUTE:

Institute of Education: Private Mail Bag, Tower Hill, Freetown; Dir. T. J. L. FORDE, M.A.; Sec. V. O. YOUNGE, B.A.

Milton Margai Teachers College: Goderich, nr. Freetown; f. 1960; trains secondary school teachers.

Library of 18,000 vols.

Number of teachers: 46.
Number of students: 390.

Principal: S. A. SOLADE ADAMS, M.A., DIP.ED.

Vice-Principal: G. S. ANTHONY, B.A.

Registrar: A. G. CARTER, B.A.

National College of Music: Freetown.

Technical Institute: Congo Cross, Freetown; City and Guilds Craft and Technical Courses and Commercial Education; Principal T. C. F. A. DAVIES.

Technical Institute: Kenema; vocational courses.

SINGAPORE

Population 2,308,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

American Library Resource Center: American Embassy, 30 Hill St., Singapore 6; f. 1950; conducts lectures, exhibits, film shows; resource library of 6,100 vols., 160 periodicals, VTRs, microfilm, microfiche.

Association of Engineers: 11 Raffles Quay, Singapore.

Botanic Gardens: Parks and Recreation Dept., Cluny Rd., Singapore 10; f. 1859; botanical and horticultural research with particular reference to South-East Asia; Commissioner, Parks and Recreation Dept., Wong Yew Kuan; Curator of Herbarium Miss Chang Kiaw Lan, B.SC., PH.D.; library of 9,200 vols.; Librarian Mrs. S. Djasoeki; publs. *The Gardens' Bulletin, Singapore*, and horticultural works.

British Council: 310 Cathay Building, Mount Sophia, Singapore 9; Rep. J. P. Harniman; library of 5,371 vols., 95 periodicals; Librarian L. Khoo.

British Institute in South-East Asia: B-5 2nd floor, International Building, Orchard Rd., Singapore; f. 1976; sponsored by the British Academy, London; cultural institute, with emphasis on history, archaeology, history of art and cultural anthropology; Chair. of Cttee. of Management Prof. J. G. D. Clark, C.B.E.; Dir. Dr. Milton E. Osborne.

China Society, The: 190 Keng Lee Rd., Singapore 11; f. 1948; to promote Chinese culture and to introduce Chinese culture to the non-Chinese; 250 mems.; Pres. Lee Siow Mong; publ. *Annual of China Society*.

Indian Fine Arts Society: P.O.B. 2812, St. Michael's Mansion, St. Michael's Rd., Singapore 12; f. 1949; Pres. A. M. Cherian; Hon. Sec. I. S. Menon.

Institute of Southeast Asian Studies: Cluny Rd., Singapore 10; f. 1968 to undertake research on the problems of contemporary South-East Asia and its recent history, especially in the fields of sociology, anthropology, economics, history, political science and geography; library of 25,220 vols.; Dir. Prof. Kernial S. Sandhu; Exec. Sec. C. P. Chin; Librarian P. Lim Phui Huen.

Lembaga Gerakan Pelajaran Dewasa (*Adult Education Board*): 126 Cairnhill Rd., Singapore 9; Chair. Ahmad Mattar.

Library Association of Singapore: c/o National Library, Stamford Rd., Singapore 6; f. 1955; Pres. Foo Kok Pheow; Hon. Sec. Miss Tan Lay Yuen; publs *Singapore Libraries, LAS Newsletter*.

Regional Institute of Higher Education and Development (RIHED): CSSDI Building, Heng Mui Keng Terrace, Singapore 5; f. 1970; to facilitate co-operation between universities and governments in S.E. Asia, and to enhance the contributions of higher education to the social and economic development of the region; holds seminars and conferences; conducts research; provides advisory and clearing-house services; library of 3,500 vols.; Dir. Sorimuda Nasution, M.A., PH.D.; Documentation Officer Gan Cheong Chor, M.A.; publs. *Bulletin*, research papers, occasional reports, workshop proceedings.

Science Council of Singapore: Singapore Science Centre Bldg., Science Centre Rd., Singapore 22; f. 1967 to advise the Minister for Science and Technology on scientific and technological research and development in Singapore; the effective training and utilization of scientific and technological manpower in Singapore; the establishment of official relations with other scientific organizations; 17 mems.; Chair. Dr. Ang How Ghee; Sec. Khoo Hun Hock; publs. *Annual Report*†, occasional papers†.

Singapore Association for the Advancement of Science: 1st floor, Singapore Science Centre Bldg., off Jurong Town Hall Rd., Singapore 22; f. 1976 (fmrly. Singapore National Academy of Science); to promote communication between scientists of different disciplines; Pres. Dr. Lee Chiaw Meng; Sec. Dr. Louis Chen; publ. *Journal*.

Founder member societies:

- **Institute of Physics, Singapore.**
- **Science Teachers Association of Singapore.**
- **Singapore Institute of Biology.**
- **Singapore Mathematical Society.**
- **Singapore National Institute of Chemistry.**

Singapore Institute of Architects: 395A–397A, Block 23, Outram Park, Singapore 3; f. 1928; 429 mems.; Pres. Sim Hong Boon; Hon. Sec. Edwin S. H. Choo; publs. *SIAJ* (6 a year), *SIA Year Book*.

Singapore Institute of International Affairs: The Mandarin, Orchard Rd., Singapore 9; Pres. George G. Thomson.

Southeast Asian Ministers of Education Organization (SEAMEO) Center for Educational Innovation and Technology: INNOTECH Center, 39 Newton Rd., Singapore 11; f. 1970 to help SEAMEO member countries identify and resolve educational problems; conducts training and research programmes; 20 permanent staff; library of 2,800 vols.; Dir. Ly Chanh Duc.

Tagore Society: P.O.B. 281, Singapore; drama and lectures; Pres. Dr. Lin Wo Chiang; Hon. Sec. D. Murugan.

LIBRARIES AND ARCHIVES

National Archives and Records Centre: 16-18 Lewin Terrace, Singapore 6; f. 1968; library of 800 vols., 2,600 metres of archival holdings, 2,500 maps, 3,000 photographs, 5,000 building plans; Dir. Mrs. Hedwig Anuar; publ. *Annual Report*.

National Library: Stamford Rd., Singapore 6; f. 1884; formerly Raffles Library and Raffles National Library; a department of the Government of Singapore providing reference and lending library facilities for the Republic; 1,062,133 vols., 50.8 per cent of the collection in English; growing collections of Chinese, Malay and Tamil books; official repository for publications received under the Printers and Publishers Act, United Nations publications and selected publications of its specialized agencies; five branch libraries (in addition to the main library) and a mobile library service for rural areas; national centre of bibliographical information and national exchange centre; Dir. Mrs. Hedwig Anuar; publs. *National Library Annual Report*†, *Singapore Periodicals Index*, *Books about Singapore*†, *Checklist of current serials*†, *Checklist of Southeast Asian Serials*, *Singapore National Bibliography*, *Catalogue of music records*†, *Union Catalogue of scientific and technical serials*†, other occasional bibliographies.

Nanyang University Library: Upper Jurong Rd., Singapore 22; f. 1953; 290,000 vols. (155,000 Chinese books, 1,700 periodicals); Librarian Koh Thong Ngee, m.a.; publs. *Library Handbooks*, *Monthly List of Additions*.

University of Singapore Library: Bukit Timah Rd., Singapore 10; 679,000 vols., including medical library 94,300 vols., law library 94,300 vols., Chinese library 139,500 vols., architecture library 16,100 vols., engineering library of 22,700 vols.; Librarian Mrs. Peggy Wai Chee Hochstadt, m.a.; publs. *Library Handbook*, *Serials Checklist*, *Monthly Accession List*, *Catalogue of the Singapore/Malaysia Collection*.

MUSEUM

National Museum: Stamford Rd., Singapore 6; formerly Raffles Museum; f. 1849; ethnology, history and art of Singapore and surrounding region; houses the National Museum Art Gallery (f. 1976) and the Young People's Gallery for students' art and crafts; reference library of 13,000 vols.; Curators Grace Wong and Choy Weng Yang; Dir. Christopher Hooi; publs. *Heritage* (2 a year), *National Museum Memoirs*, *National Museum Publications*.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF SINGAPORE

KENT RIDGE,
SINGAPORE 5

Telephone: Singapore 7756666.

Founded 1962.

Language of instruction: English; State control; Academic year: July to June (two semesters).

(Formerly Raffles College and King Edward VII College of Medicine and the University of Malaya in Singapore).

Chancellor: B. H. **Sheares, m.d., m.s.,** f.r.c.o.g., f.a.c.s.

Pro-Chancellors: E. S. Monteiro, b.b.m., c.b.e., m.d., f.r.c.p., f.r.f.p.s., d.c.h., A. P. Rajah, ll.b.

Vice-Chancellor: Kwan Sai Keong, p.p.a., p.j.g., b.a., a.r.c.a.

Deputy Vice-Chancellor: Choo Seok Cheow, ph.d.

Registrar: Mrs. Y. T. Lu Sinclair, m.a.

Librarian: Mrs. P. Hochstadt, m.a.

Number of teachers: 486.
Number of students: 6,597.

Deans:

Faculty of Architecture: Bill Lim Biu Pui, ph.d., f.r.a.i.a.

Faculty of Arts and Social Science: Ooi Jin Bee, m.a., d.phil.

Faculty of Dentistry: E. Tay Mai Hiong, b.d.s., f.d.s.r.c.s., f.i.c.d.

Faculty of Engineering: Cham Tao Soon, ph.d.

Faculty of Law: S. **Jayakumar, ll.m.**

Faculty of Medicine: Wong Poi Kwong, m.b., b.s., f.r.c.p.

Faculty of Science: Ang Kok Peng, m.sc., ph.d.

Directors:

School of Accountancy and Business Administration: You Poh Seng, ph.d.

School of Postgraduate Dental Studies: Chan Yew Ai, b.d.s., f.d.s.r.c.s.

School of Postgraduate Medical Studies: Wong Hock Boon, p.j.m., m.b., b.s., f.r.c.p.

Professors:

Faculty of Architecture:

Lim Biu Pui, Bill, ph.d., Building Science
Seow Eu Jin, m.arch., ph.d., Architecture

Faculty of Arts and Social Sciences:

Alatas, S. H., d.sc., ph.d., Malay Studies
Lee Yong Leng, m.a., ph.d., Geography
Lim Chee Then, m.a., ph.d., Chinese Studies
Lim Chong Yah, m.a., d.phil., Economics
Ooi Jin Bee, m.a., d.phil., Geography
Thio, Eunice, m.a., ph.d., History
Wong Lin Ken, m.a., ph.d., History
You Poh Seng, ph.d., Economics

Faculty of Dentistry:

Jansen, J. A., l.d.s., m.sc.d., Prosthetic Dentistry
Tay Mai Hiong, E., b.d.s., f.d.s.r.c.s., Prosthetic Dentistry

Faculty of Engineering:

Choo Seok Cheow, ph.d., Electrical Engineering
Chow Shuh-Twu, m.s., ph.d., Mechanical Engineering
Lee Seng Lip, m.s.e., ph.d., Civil Engineering

Faculty of Law:

Koh Thong Bee, ll.m., Law

Faculty of Medicine:

Chacha, P. B., m.d., m.ch.orth., f.r.c.s., Orthopaedic Surgery
Cheah Jin Seng, m.d., m.b., b.s., f.r.a.c.p., Medicine
Gardiner, J. E., m.a., ph.d., Pharmacology
Kanagasuntheram, R., m.b.b.s., ph.d., Anatomy
Karim, S. M. M., m.sc., ph.d., Pharmacology
Khoo Oon Teik, l.m.s., m.d., f.r.f.p.s., f.r.c.p., f.r.a.c.p., Clinical Medicine
Lim Kok Ann, m.d., b.sc., m.b.b.ch., f.r.c.path., Microbiology
Lim Pin, m.d., m.a., f.r.c.p., Medicine
Phoon Wai-On, m.b., b.s., f.r.f.p.s., f.r.c.p., Social Medicine and Public Health
Ratnam, S. S., m.d., f.r.c.s., Obstetrics and Gynaecology
Shanmugaratnam, K., m.d., ph.d., Pathology
Tock Peng Chong, m.d., ph.d., f.r.c.p.a., Pathology
Wong Hock Boon, p.j.m., m.b., b.s., f.r.c.p., Paediatrics
Wong Poi Kwong, m.b., b.s., f.r.c.p., Medicine
Zaman, V., d.sc., ph.d., m.r.c.p., Microbiology

Faculty of Science:

Ang Kok Peng, m.sc., ph.d., Chemistry
Diananda, P. H., m.a., ph.d., Mathematics
Rajaratnam, A., m.sc., ph.d., Physics
Rao,. A. N., m.sc., ph.d., Botany

Affiliated Centre:

Economic Research Centre: Bukit Timah Rd., Singapore 10; Dir. Dr. Pang Eng Fong.

NANYANG UNIVERSITY

UPPER JURONG RD.,
SINGAPORE 22

Telephone: 651744.

Founded 1953.

Languages of instruction: Chinese and English; Academic year: July to June (two terms).

Chairman of the Council: Wee Cho Yaw.

Director-General: Tan Chok Kian, b.a.

Registrar: Mrs. Joanna Wong, b.sc.

Bursar: Tan Joon Chow, b.com. (acting).

Director of Student Affairs: Yeo Choo Kok, m.a.

Librarian: Koh Thong Ngee, m.a.

Library: *see* Libraries.
Number of teachers: 175.
Number of students: 2,136.
Publications: *Faculty Handbooks*, *Nanyang University Newsletter*, *Annual Reports*, etc.

Deans:

College of Graduate Studies: Wu Teh Yao, ph.d.

Faculty of Arts: Ang Koh Ping, ph.d.

Faculty of Science: Teh Hoon Heng, ph.d.

Faculty of Commerce: Ang Kong Beng, m.b.a.

Heads of Departments:

Faculty of Arts:

Chinese Language and Literature: Wang Shu Min, m.a.
History: Gwee Yee Hean, ph.d.
Geography: Loy Keng Foo, ph.d.
Government and Public Administration: Liang Chi Shad, ph.d. (acting).

Language Centre: Lucille M. Ramish, ph.d.

Faculty of Science:

Mathematics: Chew Kim Lin, ph.d.
Biology: Anne Johnson, ph.d.
Chemistry: Kiang Ai Kim, ph.d.
Physics: Koh Chor Jin, ph.d.
Computer Science: Hsu Loke Soo, ph.d.
Computer Centre: Leong Kuo Sing, ph.d.

Faculty of Commerce:

Economics and Statistics: Saw Swee Hock, ph.d.
Accountancy: Ang Kong Beng, m.b.a. (acting).
Industrial and Business Management: Lee Sheng Yi, ph.d.

Attached Institutes:

Institute of Humanities and Social Sciences: Dir. Wong Yoon Wah, ph.d. (acting).

Institute of Natural Sciences: Dir. Hew Choy Sin, ph.d.

Institute of Mathematics and Computer Science: Dir. Lee Peng Yee, ph.d.

Institute of Economics and Business Studies: Dir. Hank Lim Giok Hay, ph.d.

Chinese Language Centre: Dir. Loo Shaw Chang, m.a. (acting).

NGEE ANN TECHNICAL COLLEGE

535 CLEMENTI RD.,
SINGAPORE 21

Founded 1963.

Principal: Khong Kit Soon.
Registrar: Chew Yong Soo.
Librarian: Mrs. Margaret Kwan-ho.
Bursar: Mrs. Cheng-Chang Cha Yee.

Library of 48,300 vols.

Number of teachers: 138.
Number of students: 2,309.

Heads of Departments:

Mechanical Engineering: Chan Siew Poh.
Shipbuilding and Repair Technology: Roger John Beswetherick.
Electrical and Electronic Engineering: Taw Cheng Hock.
Building Services: Cheah Ah Lee.
Business Studies: Lim Seah Eng.

THE SINGAPORE POLYTECHNIC

P.O.B. 1055, SINGAPORE 10

Telephone: 2719822.

Founded 1954 with Unesco aid.

State control; Language of instruction: English; Academic year: May to March (three terms).

Offers courses leading to Technician Diploma in Building, Chemical Process Technology, Civil Engineering, Architectural Draughtsmanship, Electrical Engineering, Electronics and Communication Engineering, Land Surveying, Mechanical Engineering, Marine Engineering, Production Engineering, Ship Construction and Structural Engineering and courses to Technician Cert. level in Architectural Draughtsmanship, Aeronautical Maintenance Engineering and Maritime Radio Communications.

Chairman: Low Guan Onn.
Principal: Khoo Kay Chai, b.e. (Civil), p.eng., c.eng., m.i.c.e., f.i.e.s., m.i.e.(m.).
Registrar: Loke Kum Cheng, b.a., a.m.p., m.a.e.a.
Librarian: Mrs. R. D. Yeap, f.l.a., a.l.a.a.

Number of teachers: 286 full-time, 171 part-time.

Number of students: 4,240 full-time, 2,732 part-time.

Publications: *Prospectus* (annually), *Annual Report.*

Southeast Asian Ministers of Education Organization (SEAMEO) Regional Language Centre (RELC): 30 Orange Grove Rd., Singapore 10; f. 1968; aims to improve the teaching of languages in the SEAMEO countries; conducts four advanced courses, including an M.A. course in applied linguistics, research, regional conferences; provides technical services to national programmes; library of over 20,000 vols.; 12 staff and approx. 150 students; Dir. Mrs. Tai Yu-lin; publs. *RELC Journal: A Journal of Language Teaching and Research in South-east Asia* (2 a year), *Newsletter* (quarterly), monograph series, anthology series, seminar reports, etc.

SOLOMON ISLANDS

Population 196,823

LIBRARY AND ARCHIVES

Solomon Islands National Archives.

Solomon Islands National Library: Ministry of Youth and Cultural Affairs, Honiara; f. 1974; 16,000 vols.; Librarian Lency Waneatona.

MUSEUM

Solomon Islands National Museum and Cultural Centre: P.O.B. 313, Honiara; run in conjunction with the Cultural Association of the Solomon Islands; collection began in 1950s, permanent site 1969; research into all aspects of Solomons culture (pre-history, language, oral tradition, music, dance, architecture, etc.); promotes traditional craft, music and dance; Curator Henry Isa; publs. *Journal, Custom Stories.*

COLLEGE

Honiara Technical Institute: P.O.B. G23, Honiara; f. 1969.

Principal: A. W. Hatfield, dip.bus.admin.
Registrar: A. T. Nemaia.
Librarian: G. R. Hooper.

Number of teachers: 35.
Number of students (including part-time): 450.

Deans:

Trades' School: C. McCready, l.m.r.s.h. (Building Section).
Marine School: T. de M. Ogier, master mariner f.g.
Commerce School: M. R. Morgan, b.a.econ.
Survey School: R. Chapple, m.n.z.i.s.

SOMALIA
(SOMALI DEMOCRATIC REPUBLIC)

Population 3,261,000

LEARNED SOCIETIES

Casa degli Italiani: Mogadishu; organizes meetings, art exhibitions, etc.

Egyptian Cultural Center: Mogadishu.

Institut Culturel et Social: Mogadishu.

Russian Friendship Cultural Center: Mogadishu.

RESEARCH INSTITUTES

Geological Survey Department: Ministry of Water and Minerals, P.O.B. 744, Mogadishu; library of 500 vols.; Dir. V. N. KOZERENKO.

Institute for the Preparation of Serums and Vaccines: Mogadishu.

Laboratory of Hygiene and Prophylaxy: Mogadishu; sections in medicine and chemistry.

Society of Medicine and Tropical Hygiene: Mogadishu.

Survey and Mapping Department: Ministry of Public Works, P.O.B. 24, Mogadishu; f. 1966; the official surveying and mapping department; Dir. MUSA ADAN WADADID.

LIBRARIES

Somali Institute of Public Administration Library: Mogadishu.

National Library of Higher Education and Culture: Ministry of Higher Education and Culture, Mogadishu; f. 1934; 8,000 vols.; Librarian OSMAN GAHIR JAMA.

Società Dante Alighieri: Mogadishu; library of books on Italian culture.

MUSEUM

National Museum: Mogadishu; ethnographical, historical and natural science collections.

UNIVERSITY

SOMALI NATIONAL UNIVERSITY

P.O.B, 15, MOGADISHU

Telephone: 25035/40042.

Founded 1954; University status 1969.

Languages of instruction: Somali, Arabic, Italian, English.

President: Dr. IBRAHIM MOHAMUD ABYAN.

Vice-President for Academic Affairs: Dr. MOHAMUD ABDI NUR.

Vice-President for Administrative Affairs: Dr. ABDULLAHI SHECK AHMED.

Librarian: Mrs. SIRAD YUSUF ISMAIL.

Number of teachers: 490.
Number of students: 3,605.

DEANS:

Faculty of Medicine: ABDULLAHI MOHAMED OMAR.
Faculty of Agriculture: MOHAMUD ABDI NUR.
Faculty of Veterinary Medicine: MOHAMED GAANNI MOHAMED.
Faculty of Engineering: IBRAHIM MOHAMUD ABDI.
Faculty of Geology: OMAR SHIRE YUSUF.
Faculty of Chemistry: ABDI FARAH HASSAN.
Faculty of Education: MOHAMED ELMI BULLALE.
Faculty of Law: ABUD MUSAD ABUD.
Faculty of Economics: MOHAMED DAHIR HAGI.

COLLEGES

School of Islamic Disciplines: Mogadishu; includes a faculty of law.

École Industrielle: Mogadishu; departments of radio, carpentry, mechanics, electricity, building construction.

School of Public Health.

School of Seamanship and Fishing: 170 students.

Technical College: Burgo; f. 1965; 4-year courses.

Veterinary College: Mogadishu; 30 students; 10 teachers; Projects Dir. Dr. J. NEILSEN.

SOUTH AFRICA

Population 26,227,000

LEARNED SOCIETIES

General

Royal Society of South Africa: c/o University of Cape Town, Rondebosch 7700; f. 1877, Royal Charter 1908; 5 honorary and 87 ordinary Fellows, 308 mems.; publ. *Transactions*†.

President: A. W. Sloan, M.D., PH.D.

Vice-Presidents: F. R. N. Nabarro, M.B.E., D.SC., F.R.S.; E. S. W. Simpson, M.SC., PH.D.

Hon. Secretary: A. V. Hall, M.SC., PH.D., F.L.S.

Hon. Treasurer: D. Hey, D.SC.

Fellows:

Honorary:
Bozzoli, G. R., D.SC.(ENG.).
Nabarro, F. R. N., M.B.E., D.SC., F.R.S.
Papenfuss, J. F., PH.D.
Wellington, J. H., SC.D., F.R.G.S.
Woolley, Sir Richard, O.B.E., F.R.S., F.R.A.S., SC.D., M.A.

Ordinary:
Adler, C., M.B., CH.B.
Ahrens, Prof. L. H., M.A., D.SC., F.R.I.C., F.G.S.
Allanson, Prof. B. R., M.SC., PH.D.
Balinsky, Prof. B. I., DR.BIOL.SC.
Batson, Prof. E., B.SC.(ECON.), F.R.ECON.S.
Bayer, Prof. A. J. W., D.SC.
Beater, B. E., D.SC.
Biesheuvel, S., M.A., PH.D., D.SOC.SC., F.S.A.I.P.
Bigalke, R. C., DR.PHIL.NAT.
Bigalke, R. C. H., M.A., PH.D.
Bleksley, Prof. A. E. H., M.SC., D.SC.
Bond, G. W., D.SC.
Bothwell, T. H., M.D., D.SC., F.R.C.P.
Brain, C. K., PH.D.
Brink, C. v. d. M., M.SC., D.SC.
Brown, A. C., D.MUS., M.SC., F.Z.S., PH.D., F.R.E.S.
Bursell, E., D.SC., PH.D.
Campbell, G. D., M.D., D.SC., F.R.C.P.(E.), F.R.C.S.(E.)
Clark, J. D., C.B.E., M.A., PH.D., F.S.A., F.R.A.I.
Compton, Prof. R. H., M.A., D.SC., F.R.H.S.
Cooke, H. B. S., M.A., D.SC., F.G.S., F.R.MET.S.
Copenhagen, W. J., O.B.E., M.SC., F.R.I.C.
Dart, Prof. R. A., M.SC., M.D., CH.M., D.SC.
Davis, D. H. S., M.A., D.SC., F.Z.S.
Day, Prof. J. H. O., D.F.C., B.SC., PH.D., F.L.S.
Du Toit, Prof. C. A., M.SC., PH.D.
Dyer, R. A., D.SC.
Elsdon-Dew, R., M.B., CH.B., M.D.
Evans, D. S., M.A., PH.D., F.INST.P., F.R.A.S.
Ewer, D. W., M.A., PH.D.
Freed, L. F., M.A., D.PHIL., M.B., CH.B., M.D., D.P.H., D.T.M.&H.
Fuller, A. O., M.SC., PH.D.
Gordon, Prof. I., M.A., PH.D.
Hales, Prof. A. L., PH.D., M.A., F.R.A.S.
Hall, A. V., M.SC., PH.D., F.L.S.
Harington, J. S., PH.D., D.SC.
Haughton, S. H., D.SC., LL.D., F.R.S., F.G.S., F.G.S.A.
Hesse, A. J., B.SC., PH.D., F.R.E.S.
Hey, D., D.SC.
Isaacson, L. C., M.D., PH.D., F.R.C.P.(E.).
Jackson, W. P. U., M.A., M.D.
Jenkins, T., M.D., M.R.C.S., L.R.C.P., D.R.C.O.G.
Kent, L. E. .M.SC., PH.D., F.G.S.
Kerrich, Prof. J. E., M.SC., LL.D., F.A.S.A., F.S.A.S.A.
King, L. C., D.SC.. PH.D., F.G.S.
Lawrence, R. F., M.A., PH.D.
Louw, G. N., M.SC., PH.D.
Lotjeharms, Prof. W. J., PHIL.NAT.D.
Malan, B. D., B.A.
Marloth, R. H., B.A., M.SC., PH.D.
Mathias, F. C. M., M.A., PH.D., D.SC.
Metz, J., M.D., F.R.C.PATH.
Millard, N. A. H., B.SC., PH.D.
Naudé, S. M., M.SC., PH.D., D.SC., LL.D.
Paine, Prof. H. H., M.A., B.SC., F.I.P.
Phillips, J. F. V., D.SC., F.R.S.E.
Plumstead, E. P., D.SC.
Rapson, W. S., M.SC., D.PHIL., A.R.I.C.
Rennie, Prof. J. V. L., M.A., PH.D.
Rycroft, Prof. H. B., M.SC., PH.D., F.L.S.
Sapeika, N., B.A., PH.D., M.D.
Schamroth, L., M.D., D.SC., F.R.C.P.
Schapera, Prof. I., M.A., PH.D., D.SC.
Schelpe, E. A. C. L. E., M.SC., D.PHIL., F.L.S.
Scholtz, Prof. D. L., D.SC.
Schrire, T., M.A., M.B., CH.B., F.R.C.S., F.C.C.P.
Scott, Dr. K. M. F., M.SC., PH.D., F.R.E.S.
Shapiro, H. A., M.B., CH.B., PH.D.
Simpson, Prof. E. S. W., M.SC., PH.D.
Sloan, Prof. A. W., M.D., PH.D., F.R.C.P.
Staz, J., D.D.S., H.D.D., L.D.S., R.C.S.
Stoy, R. H., M.A., PH.D., F.R.A.S.
Summers, R. F. H., F.S.A.
Talbot, Prof. W. J., B.SC.
Tobias, Prof. P. V., PH.D., D.SC., M.B., B.CH., F.R.A.I., F.L.S
Twyman, Prof. E. S., M.SC., PH.D.
van der Walt, J. P., M.SC., D.SC.TECH.
van Zinderen Bakker, Prof. E. M., M.SC., PHIL.NAT.D.
van Zyl, A., M.SC., PH.D.
Von Bonde, C., M.A., PH.D.
Warner, B., M.A., PH.D., D.SC.
Warren, Prof. F. L., PH.D., D.SC., A.R.C.S., D.I.C.
Watt, Prof. J. M., M.B., CH.B.. F.R.C.P., F.R.S.E.
Willcox, A. R., F.S.A., F.R.A.I.
Wilson, Prof. Monica, M.A., PH.D.
Wyndham, Prof. C. H., M.B., CH.B.
Zwarenstein, Prof. H. J., M.A., M.SC., PH.D., D.SC.

Africa Institute, The: cnr. van der Walt and Skinner Streets, P.O.B. 630, Pretoria; f. 1960; collection and dissemination of information and research concerning the African continent; Dir. Dr. J. H. Moolman; Sec. P. W. Esterhuysen; publs. *Africa Institute Bulletin* (monthly), *Africa, Maps and Statistics* (series), *Communications of the Africa Institute, Africa at a Glance, Occasional Papers, Southern Africa Data, South African Journal of African Affairs* (2 a year).

Suid-Afrikaanse Akademie vir Wetenskap en Kuns (*South African Academy of Science and Arts*): Engelenburghuis, Hamilton St., Pretoria; f. 1909; for the advancement of the Afrikaans language, literature, South African art, science and technology; 381 mems., 1,243 assoc. mems.; Chair. Prof. G. Beukes; Sec. D. J. C. Geldenhuys; publs. *Tydskrif vir Geesteswetenskappe, Tydskrif vir Natuurwetenskappe, Nuusbrief, Tegnikon* (quarterlies), *Jaarboek*.

Architecture and Town Planning

Institute of S.A. Architects: 10th Floor, Samro House, 73 Juta St., P.O.B. 31750, Braamfontein 2017, Johannesburg; f. 1927; 2,317 mems.; Sec. M. Knoetze.

Simon van der Stel Foundation: P.O.B. 1743, Pretoria 0001; f. 1959; S.A. National Trust; historic conservation; 6,500 mems.; Chair. Dr. S. Meiring Naudé; Dir. (vacant); publ. *Restorica* (annually).

The Arts

Federasie van Afrikaanse Kultuurverenigings (F.A.K.) (*Association of Afrikaans Cultural Societies*): P.O.B. 8711, Christiaan de Wet Building, 95 Simmonds St., Johannesburg; f. 1929; 2,500 affiliated Afrikaans cultural societies; Chair. Dr. D. P. M. Beukes; Sec. Dr. A. M. van den Berg; publs. *Lectures*, *Handhaaf* (monthly).

South African Association of Arts: 506 Commercial Union Bldgs., Greenmarket Square, Cape Town; encouragement of the arts, nationally and internationally; Pres. Prof. A. L. Meiring; Sec. Mrs. Gunther.

Bibliography, Library Science and Museology

South African Library Association (Suid-Afrikaanse Biblioteekvereniging): c/o Ferdinand Postma Library, Potchefstroom University, Potchefstroom; f. 1930; 1,663 mems.; Pres. J. Willemse, M.A.(LIBR.), F.S.A.L.A.; Vice-Pres. Prof. A. J. Viljoen, D.PHIL, U.D.L., F.S.A.L.A.; Hon. Sec. C. J. H. Lessing, M.A.(BIBL.), U.D.L., F.S.A.L.A.; publs. *South African Libraries* (*Suid-Afrikaanse Biblioteke*) (quarterly), *Newsletter* (*Nuusbrief*) (monthly) and a few irregular publications.

Southern African Museums Association: c/o South African Museum, P.O.B. 61, Cape Town; f. 1930; 430 mems.; Hon. Sec. (vacant); publ. *Samab* (quarterly).

Economics, Law and Politics

Economic Society of South Africa: P.O.B. 929, Pretoria 0001; f. 1925 to promote the thorough discussion of, and research into economic questions, in particular those affecting South Africa; 550 mems.; brs. in Blomfontein, Cape Town, Eastern Province, Johannesburg, Natal, Pretoria, Stellenbosch and Western Transvaal; Sec. Dr. S. S. Brand; publ. *The South African Journal of Economics* (quarterly).

Institute of Bankers in South Africa: P.O.B. 10335, Johannesburg 2000; f. 1904; 13,000 mems.; publ. *South African Banker* (quarterly); Sec.-Gen. P. Kraak, F.I.B.S.A.

South Africa Foundation: P.O.B. 7006, Johannesburg 2000; f. 1959 to promote international understanding of South Africa; 5,000 mems.; Founder Pres. Maj.-Gen. Sir Francis de Guingand, K.B.E., C.B., D.S.O.; Pres. B. E. Hersov; Dir.-Gen. J. de L. Sorour; publ. *South Africa International*† (independent foreign affairs quarterly).

South African Institute of International Affairs: Jan Smuts House, P.O.B. 31596, Braamfontein, Johannesburg; f. 1934 to facilitate the scientific study of international questions, particularly those affecting Southern Africa; 1,300 mems.; library of 10,000 vols.; Chair. Leif Egeland; Dir. John Barratt; publs. *International Affairs Bulletin*†, *Occasional Papers*† (irregular), *Southern Africa Record*† (irregular).

History, Geography and Archaeology

Genealogical Society of South Africa: P.O.B. 3566, Cape Town 8000; f. 1963; 460 mems.; Chair. P. H. Myburgh; Hon. Sec. E. D. Stassen; publs. *Familia*†, *Newsletter*† (quarterly).

Heraldry Society of Southern Africa: P.O. Box 4839, Cape Town 8000; f. 1953; 150 mems.; Chair. Dr. C. Pama; Hon. Sec. E. D. Stassen; publ. *Arma*† (quarterly).

South African Archaeological Society: P.O.B. 31, Claremont, Cape Town; f. 1945; 1,000 mems.; Sec. Prof. Nikolaas J. van der Merwe; publ. *South African Archaeological Bulletin* (half-yearly), *Goodwin Series*† (irregular), *Monograph Series*† (occasional).

South African Geographical Society: P.O.B. 31201, Braamfontein 2017, Transvaal; f. 1917; 425 mems.; six lectures a year, quadrennial conference, seminars etc.; Pres. Prof. W. S. Barnard; Hon. Sec. J. Henning; publs. *South African Geographical Journal*† (bi-annually), *South African Geographical Society Newsletter* (bi-annually), *Landscape Monographs* (irregular).

Van Riebeeck Society: c/o South African Library, Cape Town; f. 1918; 1,600 mems.; publishes South African Historical Documents; Chair. Dr. F. R. Bradlow; Sec. Mrs. Heather Pama; publ. 1 volume annually.

International Cultural Institutes

British Council: 170 Pine St., Arcadia, Pretoria 0002; Rep. J. F. Perret; 91 Parliament St., Cape Town 8001; Regional Dir. A. D. Bates.

Nederlands Cultuurhistorisch Instituut: University of Pretoria, Pretoria; f. 1930; offers books and information on Dutch culture, history and art: 250 mems.; library of 32,000 vols., 96 periodicals; Dir. Prof. Dr. P. G. Nel; publ. *Mededelingen* (6 a year), annual report.

Language and Literature

Classical Association of South Africa: f. 1956; 250 mems.; Chair. Prof. P. J. Conradie; Sec. Prof. D. M. Kriel, University of Pretoria; publs. *Acta Classica*† (annual), *Akroterion* (quarterly).

English Academy of Southern Africa: Ballater House, 35 Melle St., Braamfontein, Johannesburg; f. 1961: to maintain and improve the standard of English in Southern Africa.

Federasie van Rapportryerskorpse: P.O.B. 6772, Johannesburg; f. 1961; 486 brs.; 12,500 mems.; Chair. Prof. P. J. Glase, M.P.; Sec. H. S. Hattingh.

The South African P.E.N. Centre (Cape): Apartment C, 2 Scott Rd., Claremont, Cape Town; f. 1960; 70 full and 30 associate mems.; Pres. Mary Renault; Sec. Adèle Naudé; publ. *Newsletter*.

Medicine

Medical Association of South Africa: P.O.B 20272, Alkantrant 0005; f. 1927; 9,200 mems.; library incorporated into the libraries of all the medical schools in the country; Chair. of Council Prof. J. N. de Klerk; Sec. Gen. C. E. M. Viljoen, M.B., CH.B.; publs. *South African Medical Journal* (weekly).

South African Medical Research Council: P.O.B. 70, Tygerberg 7505; f. 1969; Pres. Prof. A. J. Brink; Vice-Pres. Dr. J. de V. Lochner; Sec. G. G. Pienaar; publ. *Annual Report*.

The Council has the following research establishments:

National Research Institute for Nutritional Diseases: Dir. Dr. J. Rossouw.

National Research Institute for Occupational Diseases: Dir. Prof. I. Webster.

Institute for Biostatistics: Dir. Dr. S. A. Fellingham.

Institute for Medical Literature: Dir. S. F. Rossouw.

Institute for Electron Microscopy: Dir. Dr. E. D. F. Williams.

Research Institute for Diseases in a Tropical Environment: Dir. Prof. S. M. Joubert (acting).

Tuberculosis Research Institute: Dir. Dr. H. H. Kleeberg.

Bilharzia Field Research Unit: Dir. R. J. Pitchford.

Microbial Genetics Research Unit: Dir. Prof. J. N. Coetzee.

Neuro- and Electrophysiology Research Unit: Dir. Prof. B. J. Meyer.

Photobiology Research Unit: Dir. Prof. G. H. Findlay.

Iron and Red Cell Metabolism Research Unit: Dir. Prof. T. H. Bothwell.

Dental Research Institute: Dir. Dr. P. CLEATON-JONES.

Research Group for Organ Transplantation: Dir. Prof. J. A. MYBURGH.

Preclinical Diagnostic Chemistry Research Group: Dir. Prof. S. M. JOUBERT.

Research Unit for the Design of Catecholaminergic Drugs: Dir. Prof. J. OFFERMEIER.

Snail Research Unit: Dir. Prof. J. A. VAN EEDEN.

Experimental Embriology Research Unit: Dir. (vacant).

Molecular and Cellular Cardiology Research Unit: Dir. Dr. A. J. BESTER (acting).

Iodine Metabolism Research Unit: Dir. Prof. A. VAN ZYL.

Neuro Chemistry Research Unit: Dir. Prof. B. C. SHANLEY (acting).

Research Group for the Diffuse Obstructive Pulmonary Syndrome: Dir. Prof. M. A. DE KOCK.

Clinical Cytology Research Group: Dir. Prof. W. A. VAN NIEKERK.

Lung Metabolism Research Group: Dir. Prof. F. M. ENGELBRECHT.

Research Group for Dental Epidemiology: Dir. Prof. C. W. VAN WYK.

Ischaemic Heart Disease Research Unit: Dir. Prof. L. H. OPIE.

Endocrine/Diabetes Research Group: Dir. Prof. W. P. U. JACKSON.

Porphyria and Renal Metabolic Research Group: Dir. Prof. L. EALES.

Liver Research Group: Dirs. Prof. S. J. SAUNDERS, Prof. J. TERBLANCHE.

Human Biochemistry Research Unit: Dir. Dr. A. R. P. WALKER.

Human Ecogenetics Research Unit: Dir. Prof. T. JENKINS.

South African Nutrition Society: c/o National Research Institute for Nutritional Diseases, P.O.B. 70, Tygerberg 7505; f. 1955; 166 mems.; Chair. Dr. J. P. DU PLESSIS; Sec. Dr. S. J. VAN RENSBURG; *Proceedings* publ. in *South African Medical Journal*.

SCIENCE

General

Associated Scientific and Technical Societies of South Africa: Kelvin House, 2 Hollard St., Johannesburg; P.O.B. 61019, Marshalltown, 2107 Transvaal; f. 1920; to promote the interests of scientific, professional and technical societies; to advance the knowledge of scientific and technical subjects and to provide secretarial, liaison, meeting and club facilities, etc., for its member societies: *Foundation Societies:* S.A. Inst. of Mechanical Engineers, S.A. Inst. of Mining and Metallurgy, Geological Society of S.A., S.A. Asscn. for the Advancement of Science (Witwatersrand Centre), Inst. of Land Surveyors of the Transvaal, S.A. Inst. of Electrical Engineers, S.A. Chemical Inst.; *Admitted Societies:* S.A. Inst. of Assayers and Analysts, Inst. of Certificated Mechanical and Electrical Engineers (S.A.), S.A. Inst. of Civil Engineers, S.A. Inst. of Chemical Engineers, Mine Ventilation Society of S.A., Inst. of Mine Surveyors of S.A. and S.A. Inst. of Town and Regional Planners; *Associate Societies:* S.A. Mathematical Society, S.A. Inst. of Agricultural Engineers, Zoological Society of S.A., S.A. Inst. for Production Engineering, Textile Inst. (S.A. Sections), The Inst. of Structural Engineers (S.A. Branch), Engineers' Asscn. of S.A., Inst. of Land Surveyors of the O.F.S., S.A. Inst. of Physics, S.A. Inst. of Forestry, S.A. Assn. of Botanists, S.A. Inst. of Marine Engineers and Naval Architects, Inst. of Land Surveyors of Natal, S.A. Veterinary Asscn., S.A. Acoustics Institute; *Affiliated Societies:* Natal Inst. of Engineers, Eastern Province Society of Engineers, Aeronautical Society of S.A.; *Student Societies:* S.A. Federation of University Engineering Students (SAFUES), and University Science Students Asscn. of S.A. (USSASA); Pres. Dr. N. STUTTERHEIM; Man. ERIC BODEN; publ. *Annual Proceedings*.

South African Association for the Advancement of Science: P.O.B. 2050, Dennesig, Stellenbosch 7601; f. 1902; 766 mems.; Pres. L. S. RICHFIELD, F.R.G.S.; Asst. Gen. Sec. Y. GATHERCOLE; publ. *South African Journal of Science*† (monthly), *S_2A_3 Newsletter*† (monthly).

Biological Sciences

Botanical Society of South Africa: Kirstenbosch, Claremont, Cape Town 7735; f. 1913; 6,000 mems.; aims to promote public interest in the development of the National Botanic Gardens of South Africa at Kirstenbosch and elsewhere and to promote the conservation and cultivation of the indigenous flora of South Africa; Pres. Dr. M. C. BOTHA; Sec. and Treas. Mrs. P. A. COLEY; publ. *Veld and Flora* (quarterly).

Herpetological Association of Africa: John R. Ellerman Museum of Zoology, University, Stellenbosch 7600; Sec. ALAN CHANNING; publ. *Journal*.

South African Biological Society (Suid-Afrikaanse Biologiese Vereniging): P.O.B. 820, Pretoria; f. 1907; 140 mems.; Pres. Dr. G. DE GRAAF; Hon. Sec. Dr. P. T. VAN DER WALT; publ. *Journal* (annual).

Southern African Ornithological Society: P.O.B. 87234, Houghton, Johannesburg 2041; f. 1930; 3,000 mems.; Pres. Prof. H. E. PATERSON; Hon. Sec. N. S. R. MCCORMICK; publs. *Ostrich*, *Bokmakierie* (both quarterly).

Southern African Wildlife Management Association: P.O.B. 44189, Linden 2104; f. 1971; publishes original papers and reviews relating to research and management in the broad field of renewable natural resources; 900 mems.; publ. *Scientific Journal*.

Wildlife Society of Southern Africa: P.O.B. 44189, Linden 2104; f. 1902; conservation of fauna and flora; 18,500 mems.; publs. *African Wildlife International* (every 2 months), books, regional magazines.

Physical Sciences

Astronomical Society of Southern Africa: c/o S.A. Astronomical Observatory, P.O.B. 9, Observatory 7935; f. 1922; Pres. S. S. BOOYSEN; Hon. Sec. T. W. RUSSO; 500 mems.; publs. *Notes* (monthly), *Handbook* (annually); local centres at Cape Town, Johannesburg, Bloemfontein, Durban, Pietermaritzburg, Salisbury and Pretoria.

Geological Society of South Africa: P.O.B. 61019, Marshalltown, Transvaal; f. 1895; 1,400 mems.; Hon. Sec. N. G. NORMAN; Asst. Secs. The Associated Scientific and Technical Societies of South Africa; publs. include *Quarterly News Bulletin*, *Transactions of the Geological Society of South Africa*†.

South African Chemical Institute: Kelvin House, 2 Hollard St., Johannesburg; P.O.B. 61019, Marshalltown, Johannesburg 2107; f. 1912; 950 mems.; publs. *Journal* (quarterly) and *ChemSa* (monthly).

South African Institute of Physics: c/o SUNI, P.O.B. 17, Faure, Cape; f. 1955; 340 mems.; Pres. Prof. P. H. STOKER; Sec. Dr. W. R. MCMURRAY; publ. *S.A. Journal of Physics* (quarterly).

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Action South and Southern Africa: P.O.B. 3873, Pretoria; f. 1972; to bring about greater knowledge and understanding of one another among the various race and language groups; to establish practical projects by means of which peace, mutual acceptance, goodwill and respect can be promoted; to promote improved race relations between South Africa and the peoples of other countries in Southern Africa, and to grant to each group the right to maintain and uphold its own language, culture, tradition and belief; library in process of formation; Dir. T. J. A. GERDENER.

South African Bureau of Racial Affairs (SABRA): P.O.B. 2768, Pretoria; f. 1948; research on race relations; biennial congress; Dir. Dr. C. JOOSTE; publ. *Journal of Racial Affairs* (quarterly).

South African Institute of Race Relations: P.O.B. 97, Johannesburg; f. 1929; 4,313 mems., 72 affiliated bodies; translation service of Afrikaans newspaper editorials (to subscribers and members); Pres. Prof. C. J. R. DUGARD; Dir. Dr. F. J. VAN WYK; publs. *Race Relations News*† (monthly), *A Survey of Race Relations in South Africa* (annual), other occasional publs.

TECHNOLOGY

Institute of Transport (*Southern Africa Division*): P.O.B. 1787, Johannesburg; f. 1926; 600 mems.; Chair. F. A. PRICE, F.C.I.T.; Hon. Sec. A. E. ROTHERAY; publs. *Journal*, *African Transport Review* (quarterly).

Institution of Certificated Mechanical and Electrical Engineers, South Africa: P.O.B. 61019, Marshalltown, 2107; f. 1911; 1,600 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publs. *Journal*, *The Certificated Engineer*.

South African Institute of Assayers and Analysts: Kelvin House, 2 Hollard St., P.O.B. 61019, Marshalltown 2107, Transvaal; f. 1919 to uphold the status and interests of the profession of assaying in all its branches; 181 mems.; Pres. J. S. DALGETY; publ. *Bulletin* (quarterly).

South African Institute of Electrical Engineers: P.O.B. 61019, Marshalltown, 2107; f. 1909; 3,300 mems.; Pres. K. A. H. ADAMS; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Transactions*† (monthly).

South African Institute of Mining and Metallurgy: Kelvin House, 2 Hollard St., P.O.B. 61019, Marshalltown 2107, Transvaal; f. 1892; 1,900 mems.; Pres. M. G. ATMORE; publ. *Journal*† (monthly).

South African Institution of Civil Engineering: P.O.B. 61019, Marshalltown 2107, Transvaal; f. 1903; 5,584 mems.; Pres. Prof. K. KNIGHT; publ. *The Civil Engineer in South Africa* (monthly).

South African Institution of Mechanical Engineers: P.O.B. 61019, Marshalltown 2107, Transvaal; f. 1892; 3000 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Journal* (monthly).

RESEARCH INSTITUTES

(*see* also under Universities)

GENERAL

Council for Scientific and Industrial Research (CSIR): Scientia, P.O.B. 395, Pretoria 0001; f. 1945; Pres. Dr. C. V. D. M. BRINK; Deputy Pres. Dr. F. J. HEWITT; Vice-Pres. Dr. P. J. RIGDEN, Dr. J. F. KEMP, Dr. D. M. JOUBERT; Sec. J. D. VAN ZYL; mems.: Dr. C. V.D. M. BRINK (Chair.), Prof. A. J. BRINK, M. T. DE WAAL, D. P. DE VILLIERS, G. C. V. GRAHAM, Dr. L. B. KNOLL, Dr. A. J. A. ROUX, J. W. SHILLING, Dr. J. N. VAN NIEKERK, Prof. E. T. WOODBURN, Prof. H. P. VAN DER SCHIJFF, L. F. RIVE. The Council has the following departments, offices and institutes:

Administrative Services Department, Pretoria.

Centre for Scientific and Technical Information, Pretoria; Dir. Dr. R. VAN HOUTEN.

Co-operative Scientific Programmes Group, Pretoria.

Technical Services Department, Pretoria; Dir. Dr. T. HODGSON.

Information and Research Services, Pretoria; Dir. D. G. KINGWILL.

Estates Department, Pretoria.

CSIR Western Cape Regional Office, P.O.B. 288, Bellville 7530.

CSIR Natal Regional Office, P.O.B. 17001, Congella 4013.

CSIR Eastern Cape Regional Office, P.O.B. 1124, Port Elizabeth 6000.

Office of the Scientific Counsellor, Embassy of the Republic of South Africa, Chichester House, 278 High Holborn, London WC1V 7HE, England.

Office of the Scientific Counsellor, Embassy of the Republic of South Africa, 3rd Floor, 2555 M St., N.W., Washington, D.C. 20037, U.S.A.

Office of the Scientific Counsellor, Embassy of the Republic of South Africa, 5300 Bonn 2, Auf der Hostert 3, Federal Republic of Germany.

Office of the Scientific Counsellor, Embassy of the Republic of South Africa, 59 Quai d'Orsay, 75007 Paris, France.

Scientific Liaison Office, South African Consulate-General, P.O.B. 12-1366, Teheran, Iran.

National Chemical Research Laboratory (CSIR): P.O.B. 395, Pretoria 0001; serves as centre where latest developments in chemical science are brought to bear on problems of national significance; divisions include analytical chemistry, inorganic chemistry, biological chemistry, physical chemistry, a corrosion research division, molecular biochemistry, organic chemistry, structural chemistry; Dir. Dr. P. R. ENSLIN.

National Physical Research Laboratory (CSIR): P.O.B. 395, Pretoria 0001; research and development work in response to industrial and national needs; has statutory responsibility for maintaining national standards for the measurement of mass, length, electricity, time, radiation, light, temperature, pressure; has divisions specializing in physical acoustics, optics, crystallography, electron microscopy, geochronology, atmospheric physics, high pressure physics, geophysics, applied spectroscopy, natural isotopes, precise physical measurements, ion bombardment and physics of materials; Dir. Dr. A. STRASHEIM.

National Research Institute for Mathematical Sciences (CSIR): P.O.B. 395, Pretoria 0001; research covers various branches of mathematics and their application; participates in development of theory, planning and interpretation of experiments; basic research and services to industry, government and other organizations; divisions: mathematics, computing centre, computer science, statistics and operations research; Dir. Dr. D. H. JACOBSON.

South African Astronomical Observatory (CSIR): Headquarters: P.O.B. 9, Observatory 7935, Cape Town; outstation: Sutherland, Cape Province; f. 1972 by a merger of the Royal Cape Observatory and the Republic Observatory in Johannesburg; administered by the CSIR as a national research institute, and financed jointly by the CSIR and the British Science Research Council; equipment includes 1,900-, 1,000-, 750- and 500-mm. reflectors; variety of measuring instruments and computer facilities; staff and visitors engaged in wide variety of astrophysical studies, some topics being variable stars, globular clusters, galactic structure, Magellanic Clouds and other galaxies; also work on minor planets and comets; Dir. Dr. M. W. FEAST.

National Institute for Telecommunications Research (CSIR): P.O.B. 3718, Johannesburg 2000; ionospheric research; study of the radiation and propagation of radio waves; monthly forecasts of propagation conditions for high-frequency radio waves; study of lightning and precipitation, by means of radio and radar; development of electromagnetic systems for distance measurement and position fixing; study of advanced techniques in radio and radar; research and development aspects of defence radar and telecommunications; operates a satellite tracking station in co-operation with the French *Centre National d'Etudes Spatiales* (*CNES*); Dir. R. W. VICE.

National Institute for Transport and Road Research (CSIR): P.O.B. 395, Pretoria 0001; research programme aimed primarily at finding practical solutions to problems concerning transportation, road construction and road safety; a transportation branch including groups for transport planning, transport operations, transport systems, traffic engineering and transport analysis; a materials and design branch including research groups for soil engineering, treated materials, pavement engineering, maintenance and construction, transportation; a road safety branch including groups for safety analysis, road users, safety engineering and vehicle safety, a national data bank for roads, a computer services section and a research application and information group; Dir. Dr. S. H. KÜHN.

National Institute for Water Research (CSIR): P.O.B. 395, Pretoria 0001; basic and applied research on a contract basis for industries, local authorities, provincial administrations and government departments; research divisions: limnology, water quality, biotechnology, physico-chemical technology, technological application, mineralized waters; regional laboratories in Natal, Orange Free State and the Cape, and also in Namibia (South West Africa); Dir. Dr. G. G. CILLIÉ.

National Electrical Engineering Research Institute (CSIR): P.O.B. 395, Pretoria 0001; work covers the various fields of both heavy and light current electrical engineering, particularly automation, e.g., computer technology; solid state electronics, e.g., microcircuit development and applications; application of electronics to instrumentation and measurement, including medical electronics; power electrical engineering, including research on lightning, surges on transmission lines, electrical and thermal resistivity of soil; also divisions for electronic instrumentation, training and information, signal processing; Dir. J. D. N. VAN WYK.

National Research Institute for Oceanology (CSIR): P.O.B. 320, Stellenbosch 7600; est. 1974 to take over and merge pre-existing CSIR activities in marine science and technology, and to provide professional, technical and logistic advice, assistance and support to SA and foreign organizations as required for work in the coastal and oceanic areas adjacent to South Africa; research divisions include marine geology and geophysics, marine chemistry and biology, coastal engineering and hydraulics, physical oceanography and technical research and services; Dir. F. P. ANDERSON.

National Accelerator Centre: P.O.B. 320, Stellenbosch 7600; facilities for multi-disciplinary use, for cancer therapy, basic research and production of radioisotopes; Head Dr. G. HEYMANN.

National Mechanical Engineering Research Institute (CSIR): P.O.B. 395, Pretoria 0001; concerned mainly with the development of new ideas and techniques in mechanical engineering, as well as the improvement of machines and materials used in industry; research departments: metal mechanics, strength mechanics, geomechanics, process mechanics, fluid mechanics, heat mechanics; a mine equipment research unit; Dir. Dr. H. G. DENKHAUS.

National Building Research Institute (CSIR): P.O.B. 395, Pretoria 0001; wide research on national problems of the building and construction industry; divisions include architecture; building research application; building services; fire and concrete engineering; environmental engineering; evaluations and performance criteria; geotechnics; inorganic materials; methods and applied economics; organic materials; structural engineering; Dir. Dr. T. L. WEBB.

National Food Research Institute (CSIR): P.O.B. 395, Pretoria 0001; fundamental and applied research into aspects of food composition, utilization, preservation, packaging and storage, as well as product and process development; research divisions: food chemistry, food technology, biological evaluation, techno-economics; a microbiology research group and sorghum beer unit; Dir. J. P. DE WIT.

National Institute for Personnel Research (CSIR): P.O.B. 10319, Johannesburg 2000; major fields of research: personnel selection, training, human productivity, occupational psychology; research divisions: management studies, personnel selection and vocational guidance, training studies, psychometrics, test construction, temperament and personality research, industrial ethnology, neuropsychology, sensory-motor studies, ergonomics, computer services; Dir. Dr. G. K. NELSON.

National Timber Research Institute (CSIR): P.O.B. 395, Pretoria 0001; research into timber engineering, timber economics (including industrial engineering and techno-economic studies), wood processing, pulp and paper; Dir. Dr. D. L. BOSMAN.

South African Wool and Textile Research Institute (CSIR): P.O.B. 1124, Port Elizabeth 6000; research into processing characteristics of wool, mohair, cotton, phormium and other plant fibres; in-depth study of blends of the different natural fibres, and blends of natural and synthetic fibres; research divisions: chemistry, textile dyeing and finishing, scouring, textile physics, statistics, carding and combing, drawing and spinning, knitting technology, weaving, cotton processing, machine development; Dir. Dr. D. P. VELDSMAN.

Magnetic Observatory (CSIR): P.O.B. 32, Hermanus 7200; studies of geomagnetism, cosmic rays, the ionosphere; analysis and interpretation of geomagnetic and related time series; library; Head Dr. G. J. KÜHN.

Chemical Engineering Research Group (CSIR): P.O.B. 395, Pretoria 0001; studies most aspects of particle technology, particularly solid/liquid separation and related physico-chemical surface phenomena; investigates new chemical processes for converting coal and its products to useful hydro-carbons and develops catalysts for these processes; also investigates problems in the transfer of heat, mass and momentum in areas where design information is insufficient, and develops programmes for computer-aided design in chemical engineering; Head W. G. B. MANDERSLOOT.

Air Pollution Research Group (CSIR): P.O.B. 395, Pretoria 0001; studies the chemical and metallic pollutants in city air and the dispersion of pollutants in the atmosphere; conducts long-term surveys of the state of smoke and sulphur dioxide pollution in some cities, studies the potential for pollution dispersion of the atmosphere in regions where industrial development is planned, measures motor vehicle exhaust pollution, co-ordinates research on air pollution in South Africa; Head Dr. G. P. N. VENTER.

Co-operative industrial research is subsidized through the following autonomous research institutes, registered as non-profitmaking companies and controlled by industrial subscribers:

Fishing Industry Research Institute, Cape Town.
Leather Industries Research Institute, Grahamstown.
Sugar Milling Research Institute, Durban.

Research units, groups and institutes in the following fields (mainly at universities) are supported by way of grants:

Bernard Price Institute for Palaeontological Research, Carbohydrate Chemistry Research Unit, Cenozoic and Sedimentological Research Group, Chromatin Research Unit, Cosmic Rays Research Unit, Desert Ecological Research Unit, Flavanoid Chemistry Research Unit, Geochemistry Research Unit, Hydrological Research Unit, Institute for Chromatography, Institute for Environmental Sciences, Institute for Freshwater Studies, Institute for Geological Research on the Bushveld Complex, Institute for Microstructures, J. L. B. Smith Institute for Ichthyology, Magnetism and Semi-conductor Physics Research Unit, Mammal Research Institute, Marine Biology Research Unit, Oceanographic Research Unit, Percy Fitzpatrick Institute of African Ornithology, Photosynthetic Nitrogen Metabolism Research Unit, Polyene Chemistry Research Unit, Research Group on Solid State Electronics, Solid State Physics Research Group, Southern Universities Nuclear Institute, Tick Research Unit, Uranium Chemistry Research Unit.

Publications†: *CSIR Annual Report*, *Scientiae* (quarterly), *CSIR—Research for South Africa* (irregular), *CSIR—Organization and Activities* (irregular), *TI—Technical Information for Industry* (monthly), *CSIR Publications* (quarterly), *Calendar of Scientific and Technical Meetings in South Africa* (twice yearly), *Scientific Research Organisations in South Africa* (annual), *Scientific and Technical Societies in South Africa* (annual), *Scientific and Technical Periodicals published in South Africa* (annual); National Institute for Telecommunications Research: *Radio Propagation Predictions for Southern Africa* (monthly), *Monthly Bulletin of Ionospheric Characteristics recorded at Johannesburg and Hermanus*; National Institute for Personnel Research: *Psychologia Africana* (irregular); National Building Research Institute: *NBRI Information Sheets* (every two months); National Institute for Transport and Road Research: *VIA* (2 a year); National Timber Research Unit: *Houtim* (quarterly); National Institute for Water Research: *Water Report* (2 a year); South African Wool and Textile Research Institute: *SAWTRI Bulletin* (quarterly); Magnetic Observatory: *Hermanus Magnetic Bulletin* (monthly), *Hermanus Neutron Monitor Data* (monthly and annually), *Magnetic Observations at Hermanus, Tsumeb, Hartebeesthoek, Grahamstown, Sanae, Marion* (respectively, annual), *Geomagnetic Secular Variation in Southern Africa* (quinquennially). In addition research reports and other *ad hoc* publications are issued from time to time by various institutes of the CSIR.

AGRICULTURE AND VETERINARY SCIENCE

Directorate of Agricultural Research (Pretoria): Dept. of Agricultural Technical Services, Private Bag X116, Pretoria; cultural research; Sec. Dr. W. A. VERBEEK; publs. *South African Journal of Agricultural Science:* (i) *Agroplantae* (plant sciences), (ii) *Agroanimalia* (animal sciences), (iii) *Agrochemophysica* (chemical and physical sciences), (iv) *Phytophylactica* (plant protection sciences and microbiology) (all quarterly); *Onderstepoort Journal for Veterinary Research* (bi-annually), *Bothalia* (annually), *Botanical Survey Memoirs* (bi-annually), *Flowering Plants of Southern Africa* (bi-annually), *Flora of Southern Africa* (annually), *Technical Communications* (monthly), *Agricultural Research* (annually), *Entomology Memoirs* (irregular), scientific pamphlets, monthly popular science publications, irregular publications, etc.; the Directorate controls the following specialized and regional research institutes:

Animal Husbandry and Dairy Research Institute: Private Bag X2, Irene 1675; f. 1962; performance and progeny testing of and fundamental research on breeding, nutrition and physiology of farm animals; Dir. Dr. J. H. HOFMEYR.

Botanical Research Institute: Private Bag X101, Pretoria 0001; botanical surveys, classification of plants and study of morphology, taxonomy and ecology of South African flora; administers the National Herbarium at Pretoria; Dir. Dr. B. DE WINTER.

Citrus and Subtropical Fruit Research Institute: Private Bag X11208, Nelspruit; research on citrus and subtropical fruit for the entire Republic; Dir. Dr. J. H. GROBLER.

Fruit and Food Technology Research Institute: Private Bag X5013, Stellenbosch 7600; research on deciduous fruit under winter rainfall conditions and food technology research; Dir. Dr. P. G. MARAIS.

Horticultural Research Institute: Roodeplaat, Private Bag X293, Pretoria 001; research on horticulture (deciduous fruits, vegetables and ornamental plants) under summer rainfall conditions; Dir. E. STRYDOM.

Plant Protection Research Institute: Private Bag X134, Pretoria 0001; fundamental and applied research on plant pathology, microbiology and taxonomy of insects; economic zoology, toxicology of insecticides and biology and control of insect pests; Dir. Dr. I. H. WIESE.

Soils and Irrigation Research Institute: Private Bag X79, Pretoria 0001; classification and mapping of soils; chemical research; analysis of soils, water, rock, plant materials, fertilizers, weedicides, insecticides and fungicides; Dir. Dr. M. C. F. DU PLESSIS.

Tobacco Research Institute: Kroondal, Rustenburg 0300; research on culture and technology of tobacco; Dir. J. F. PEENS.

Veterinary Research Institute: Onderstepoort, Pretoria; research on animal diseases (infectious and functional, including disease caused by malnutrition); production of vaccines and remedies; biological evaluation of dips and remedies offered for registration; Dir. Dr. K. E. WEISS.

Viticultural and Oenological Research Institute: Nietvoorby, Private Bag X5026, Stellenbosch 7600;

Research on viticulture and wine technology; Dir. Dr. J. BURGER.

Regional Research Institutes: Transvaal (Private Bag X180, Pretoria 0001), Highveld (Private Bag X804, Potchefstroom 2520), O.F.S. (P.O. Glen, 9360), Karroo (Grootfontein Agricultural College, Private Bag X519, Middleburg C.P. 5900), Natal (Cedara Agricultural College, Private Bag X9059, Pietermaritzburg 3200), Eastern Cape (Dohne Agricultural Research Station, Private Bag X15, Stutterheim 4930); Winter Rainfall (Private Bag X5023, Pretoria 0001); Namibia (South West Africa), Private Bag X13184, Windhoek 9100; Institute for Crops and Pastures (Private Bag X116, Pretoria 0001).

South African Forestry Research Institute: P.O.B. 727, Pretoria 0001; f. 1919; headquarters of the Research Branch of the Dept. of Forestry of the Republic of South Africa; research undertaken at the institute and in field stations includes timber technology, silviculture, tree-breeding, conservation, forestry and catchment research; Chief Dir. for Research and Information Dr. H. A. LÜCKHOFF; publs. *Journal of the SAFA*, bulletins, papers etc.

South African Society of Dairy Technology: Dept. of Dairy Technology, University of Pretoria; f. 1967; approx. 700 mems.; Pres. J. B. FISHER; Sec. Prof. S. H. LOMBARD; publ. *South African Journal of Dairy Technology* (quarterly).

MEDICINE

Natal Institute of Immunology: P.O.B. 2356, Durban 4000; f. 1968; (Division of the Natal Blood Transfusion Service); a research institute of the University of Natal; 6 research divisions with interests in lymphocyte markers and functions, HL-A typing, immune response in primates, cell culture, complement, immunoglobulins and human genetics; 35 mems.; library of 1,400 vols.; Dir. Prof. PETER BRAIN.

South African Institute for Medical Research (SAIMR): Hospital St., Johannesburg; f. 1912; medical research into the causes and methods of prevention of human diseases; 54 branch laboratories situated in the Transvaal, Eastern Cape, Orange Free State and Namibia (South West Africa); teaching of under- and postgraduate students is provided by the School of Pathology, the staff being joint members of SAIMR and the University of the Witwatersrand; organized in four divisions: Research, Diagnostic, Production, Education; library of 11,000 vols. and 450 serial titles; Chair. of Board of Management P. H. ANDERSON; Dir. Prof. J. METZ; Head of Dept. of Chemical Pathology Prof. B. C. SHANLEY; Head of Dept. of Haematology Prof. J. KATZ; Head of Dept. of Histopathology Prof. N. S. F. PROCTOR; Head of Dept. of Microbiology Prof. H. F. KOORNHOF; Head of Dept. of Human Genetics Prof. T. JENKINS; Head of Dept. of Immunology Prof. A. RABSON; publ. *Annual Report.*

NATURAL SCIENCES

Biological Sciences

Municipal Botanic Gardens (*Parks, Recreation and Beaches Department, Durban Corporation*): 70 St. Thomas' Rd., Durban; f. *ca.* 1853; for the propagation and development of ornamental and useful plants, shrubs, trees, etc., and as a place of instruction in botany, horticulture and the related subjects; Dir. Parks, Recreation and Beaches T. A. LINLEY, F.I.P.R.A.(S.A.), A.INST. P.R.A. (G.B.); Curator, Durban Botanic Gardens K. J. WYMAN, A.I.P.R.A.(S.A.).

National Botanic Gardens of South Africa: Head Office: Kirstenbosch, Newlands, Cape Province; Regional Gardens at Worcester, Betty's Bay, Bloemfontein, Harrismith, Pietermaritzburg, Nelspruit; f. 1913; Dir. Prof. H. B. RYCROFT; objects: scientific and educational; the collection, cultivation, display and study of the indigenous flora of South Africa; the preservation of the native vegetation of Southern Africa; publ. *Journal of South African Botany*† (quarterly).

National Zoological Gardens of South Africa: P.O.B. 754, Pretoria; f. 1899; Dir. Dr. D. J. BRAND, M.SC., PH.D., F.Z.S.; publ. *Zoon*†.

Physical Sciences

Boyden Observatory: P.O.B. 334, Bloemfontein; f. 1891; now Dept. of Astronomy of the University of the Orange Free State; photoelectric photometry, spectroscopy, interferometry, photography, variable star survey, southern sky patrol; Dir. Prof. A. H. JARRETT.

Geological Survey of South Africa: Private Bag 112, Pretoria 0001; f. 1912; applied and fundamental geological research, mapping; staff of 643; library of 8,000 vols. and 84,000 periodicals; Dir. Dr. W. L. VAN WYK; publs. *Bibliography*†, *Annals*† (annually), *Bulletins*†, *Memoirs*†, *Sheet Maps*†, *Seismological Series*†.

Leiden Southern Station: P.O.B. 13, Broederstroom 0240; astronomy; Superintendent D. F. STEVENSON.

Radio Space Research Station: P.O.B. 3718, Johannesburg 2000; f. 1961 as part of U.S. Deep Space and Satellite Tracking Networks; operated since 1975 by SA CSIR as Radio Astronomy Observatory (Head Dr. G. D. NICOLSON) and Satellite Remote Sensing Centre (Head W. J. BOTHA); library of about 500 vols. and 30 periodicals.

South African Atomic Energy Board: Private Bag X256, Pretoria 0001; f. 1949; activities include Chemistry, Extraction Metallurgy, Geology, Isotopes and Radiation, Life Sciences, Physical Metallurgy, Physics, Process Metallurgy, Reactor Development, Instrumentation and Licensing of nuclear installations, library of 290,807 vols.; Pres. A. J. A. ROUX; publs. *Annual Report*†, *Nuclear Active*† (every 6 months), *PEL—Reports*†, *PER-Reports*†, *AEB—Highlights*† (every 6 months).

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Human Sciences Research Council (HSRC): Private Bag X41, Pretoria; est. 1969 as a corporate body, incorporating the National Council for Social Research (f. 1946) and the National Bureau of Educational and Social Research (f. 1929). The HSRC controls all matters with regard to research and development in the field of human sciences, including the humanities and social sciences. It undertakes, promotes and finances research as approved by the Minister of National Education and advises the Minister on research to be undertaken. It also co-operates with persons and authorities in other countries and acts as liaison between the Republic and other countries in connection with research in human sciences. The Council awards bursaries and grants for research and controls the following research institutes: Institute for Educational Research, Institute for Manpower Research, Institute for Psychometric Research, Institute for Sociological, Demographic and Criminological Research, Institute for Statistical Research, Institute for Languages, Literature and Arts, Institute for Communication Research, Institute for Historical Research, Institute for Research Development, Institute for Information and Special Services including the library of 50,000 vols.; Pres. Dr. A. L. KOTZEE; Vice-Pres. Dr. A. J. v. ROOY and Dr. J. D. VENTER; Sec. J. G. VISSER; publs. *HSRC Annual Report, Humanitas, Journal for Research in the Human Sciences, Research Bulletin* (10 a year), *RSA 2000, Contre, Research Reports.*

Institute for the Study of Man in Africa: Room C24, Medical School, Johannesburg; f. 1960; the Institute has been established to perpetuate the work of Prof. Raymond

A. Dart on the study of man in Africa, past and present, in health and disease; associated with the Museum of Man and serves as a centre of anthropological and medical field work; it functions partly through the auspices of the University of the Witwatersrand; Pres. Dr. H. REUNING.

TECHNOLOGY

National Institute for Metallurgy: Private Bag X3015, Randburg 2125; f. 1934; library of 20,000 vols.; research on concentration and processing of minerals; Dir.-Gen. Dr. L. ALBERTS; publs. *Research Reports* (irregular), *Minerals Science and Engineering*† (quarterly), *NIM Research Digest* (quarterly).

Sea Fisheries Branch: Beach Road, Sea Point 8001, Cape Town; f. 1895; fisheries research and administration, oceanography, levels of pesticide residues, heavy metals and natural radioactivity; regional office in Walvis Bay, Namibia (South West Africa); 8 research vessels; total research staff 116; library of 3,000 vols., 700 periodical titles and about 20,000 pamphlets; Dir. Dr. B. VAN D. DE JAGER; publs. *Annual Reports*†, *Investigational Report*† (irregular), *Fisheries Bulletin*† (irregular).

South African Bureau of Standards: Private Bag X191, Dr. Lategan Rd., Groenkloof, Pretoria; f. 1945; 1,100 mems.; draws up national standards, specifications, codes of practice, administers the SABS mark scheme; library of 11,000 books; Dir. Gen. R. F. J. TEICHMANN; publ. *Bulletin*†.

LIBRARIES AND ARCHIVES

Bloemfontein

Bloemfontein Regional Library (Bloemfonteinse Streekbiblioteek): P.B. X20606; Regional Librarian H. S. FOURIE, B.BIBL.

Free State Provincial Library Service (Vrystaatse Provinsiale Biblioteekdiens): P.B. X20606; f. 1948; consists of Central Organization and Regional Libraries at Bloemfontein, Kroonstad and Bethlehem, serving 300 libraries, school libraries and depots; book stock 1,950,000; Dir. G. L. NORDIER, B.A.; publ. *Annual Report, Free State Libraries* (quarterly).

Public Library: P.O.B. 1029; f. 1875; Copyright, Legal Deposit, National Drama library, and Public library; 232,103 vols.; Librarian P. J. VAN DER WALT; publ. *Catalogue of the National Drama Library* and supplement.

University of the Orange Free State Library: Bloemfontein; f. 1906; the collection includes rare pamphlets and other early South African publications of the Dreyer-Africana Collection; 290,000 vols. (2,800 magazines); Librarian F. J. POTGIETER, B.COM., B.A., A.S.A.L.A.

Cape Town

Cape Education Department Library Service: 14 Queen Victoria St.; f. 1970; Head Miss P. B. EHLERS; comprises:

Education Department Library: f. 1895; professional library and reference service for teachers in the Cape Province and officials and research workers in the Cape Education Dept.; 75,000 vols., 300 current periodicals; Head Miss E. M. MALAN; publ. *Catalogue of the Education Library* (monthly).

School Library Service: f. 1964; model library and advisory service for teacher-librarians; 17,500 vols., 108 current periodicals; Head Mrs. W. A. FERGUSON; publs. *Booklist for high school libraries* (annual), *Booklist for primary school libraries* (annual), *Subject lists* (irregularly).

Cape Provincial Library Service: P.O.B. 2108, Cape Town; f. 1945; consists of Central Library, Cape Town, 18 regional libraries serving 241 affiliated municipal public libraries and 372 library depots in Cape Province; Dir. G. R. MORRIS, B.A.(HONS.), F.S.A.L.A.; Librarians Miss J. TE GROEN, Mrs. M. B. GERTZ.

Cape Town City Libraries: 30 Chiappini St.; f. 1952; free municipal public library service; central library and 36 suburban brs., travelling hospital, old age homes library services; 950,000 vols; Librarian C. H. VERMEULEN; publ. *Basic Children's Books* (with annual supplements), *Annual Report*.

Library of Parliament: Parliament House; f. 1857; 200,000 items, including Government documents and the Mendelssohn Library of Africana, which contains 45,000 vols. on Africa, especially South Africa; Librarian J. C. QUINTON.

Library of the Royal Society of South Africa: c/o University of Cape Town, Rondebosch 7700; f. 1877; 33,000 vols. of scientific periodicals; Librarian Prof. J. H. DAY, D.F.C., PH.D, F.L.S., F.R.S.S.AF.

South African Library: Queen Victoria St., Cape Town 8001; f. 1818; contains rare book collections, including Grey, Dessinian and Fairbridge collections, also Africana and Muir Mathematical (periodical) collections, and MSS.; National Reference and Research Library with Legal Deposit privileges; 525,000 vols.; Dir. A. M. LEWIN ROBINSON, B.A., PH.D., F.L.A.; publs. *Quarterly Bulletin*†, *Grey Bibliographies*†, *Reprint Series*.

University of Cape Town Libraries: Private Bag, Rondebosch 7700; f. 1829; 724,610 vols., 7,521 current periodicals, 46,345 drawings, plans and illustrations, incl. Architectural Library of 18,300 vols., 266 current periodicals; Education Library of 27,518 vols., 223 current periodicals; Hiddingh Hall Library of 52,067 vols., 281 current periodicals; Institute of Child Health Library of 2,656 vols., 109 current periodicals; Law Library of 19,909 vols. (incl. Van Zyl Collection of Roman Dutch Law), 256 current periodicals; Medical Library of 88,674 vols. (incl. Medical History Collection), 1,313 current periodicals; Music Library of 10,037 vols. (inc. Music Africana Collection), 92 current periodicals, 38,960 items of printed music, 10,443 records. Special collections incl. African Studies Collection (central and southern Africa); Ballot Collection (18th-century Dutch books); Bowle-Evans Collection (English literary works, 1680-1830); Cape Town Diocesan Library; Crawford Collection (mathematical monographs); Clifford Hall Collection (fore-edge paintings); Kipling Collection; Royal Society of South Africa library; Silverman Collection (Hebraica); Swellendam Church Library; Western European Cultural History Collection; Willis Collection (naval history). Non-book collections incl. McMillan Collection of South African illustrations; Sibbett Collection of pictorial matter on Rhodes and his contemporaries; MSS. collections of letters and documents of prominent South African literary and public figures, incl. W. G. Ballinger, Dr. W. H. I. Bleek (Bushman and Bantu linguistics and ethnology), Sir Patrick Duncan, H. G. Lawrence, C. Louis Leipoldt, Donald Molteno, Olive Schreiner, Pauline Smith, Sir Walter Stanford, Sir Baldwin Walker (naval history); South African music MSS., incl. W. H. Bell and Erik Chisholm; the F. K. Kendall and Marriott Earle Collection of architectural plans and documents relating to the work of Sir Herbert Baker, 1895-1920; archival material incl. the University Archive and the Leo Marquard Collection (N.U.S.A.S.

archive). Librarian: Mrs. J. I. LAURENSON, B.A., LIB. DIP., F.S.A.L.A.; publs. *U.C.T. Bibliographical series*†, *Varia series*†.

Durban

Durban City Libraries: City Hall, P.O.B. 917, Durban; f. 1853; 590,150 vols.; special collections of Africana and Shakespeareana; 7 br. libraries and 11 depot libraries; Librarian R. W. STACEY, F.L.A.

University of Natal Library.

Durban Campus: King George V Ave., Durban 4001; University Librarian F. SCHOLTZ, B.A., F.S.A.L.A.

Main Library: f. 1922; 169,316 vols.; Powell Collection of Early Science and Technology and Webb Collection of works by Bantu and Negroes.

Architectural Branch Library: f. 1969; 8,705 vols.; Assistant Librarian Miss H. D. SHERWOOD, B.A., A.S.A.L.A.

Eleanor Bonnar Music Branch Library: f. 1971; 2,824 vols.; Assistant Librarian Mrs. H. E. GALE, B.A., B.MUS.

G. M. J. Sweeney Law Branch Library: f. 1972; 9,716 vols.; Librarian Mrs. M. G. MORTON, B.SC., A.S.A.L.A.

Killie Campbell Africana Library: f. 1935; 41,045 items; Librarian Miss J. F. DUGGAN, B.A.

Medical School Branch Library: f. 1951; 30,961 vols.; Librarian Miss C. B. MAGUIRE, A.L.A.

Science and Engineering Branch Library: f. 1973; 29,432 vols.; houses Industrial Information Centre (2,315 vols.); Librarian Miss M. M. VAN DER WALT, B.A.

Pietermaritzburg Campus: *see under* Pietermaritzburg.

East London

East London Municipal Library Service: Buxton St., P.O.B. 652; f. 1876; 30,000 mems.; 140,000 vols.; Librarian Miss M. H. VAN DEVENTER, F.S.A.L.A.

Fort Hare

University of Fort Hare Library: P.B. 322, Alice 5700; f. 1916; 100,000 vols.; contains the Howard Pim Library of Africana; Librarian M. SPRUYT, B.A., LL.DRS., DIP.(LIBR.).

Grahamstown

Grahamstown Public Library: Free Municipal Library, P.O.B. 180; f. 1842; 71,849 vols.; Librarian Mrs. C. M. C. LLOYD.

Rhodes University Library: P.O.B. 184, Rhodes University, Grahamstown 6140; f. 1904; 250,000 vols.; Librarian (vacant).

Johannesburg

Johannesburg Public Library: Market Square; f. 1890; 1,468,105 vols.; Librarian Miss L. KENNEDY, B.A., F.S.A.L.A.; publs. *Annual Report*†, *Index to S.A. Periodicals* (annual), *Municipal Reference Library Bulletin* (monthly), bibliographies (occasional).

Library of the South African Institute of Race Relations: P.O.B. 97; f. 1929; 5,500 vols.; valuable archival and documentary material; newspaper clippings from 1930; microfilming service; bibliographies on race relations; photocopy service; Librarian D. A. W. SALES.

Library of the University of the Witwatersrand: Jan Smuts Ave., Johannesburg; f. 1922; 645,000 vols.; two central libraries (undergraduate and research), also Divisional and Constituent Libraries: Architecture, Biological Sciences, Engineering, Fine Arts, Geography and Environmental Studies, Geophysics, International Affairs, Law, Mathematical Sciences, Medical, Music, Nuclear Physics, Palaeontology, Performing Arts, Physical Sciences. Special Collections: Africana, Hebraica and Judaica, Portuguese, Archaeology and Egyptology, Historical and Literary Papers (incl. Church of the Province of South Africa), Early Printed Books; Librarian R. MUSIKER, B.SC., M.A., DIP.LIB., F.S.A.L.A.

Kimberley

Kimberley Public Library: P.O.B. 627; f. 1882; *c.* 90,000 vols.; Librarian Mrs. F. VAN NIEKERK, B.A.

Pietermaritzburg

Natal Provincial Library Service: Private Bag 9016; f. 1952; consists of central organization and reference library at Pietermaritzburg; four regional offices for north coast, south coast, midlands and northern areas, serving 112 public libraries, 94 library depots, 79 school libraries and 53 non-white library depots; 1,267,381 vols.; film lending service with 500 films; gramophone record lending service with 5,355 records; Dir. C. J. FOURIE, M.A.; publ. *Libri Natales*† (monthly).

Natal Society Public Library: P.O.B. 415, Pietermaritzburg, Natal; f. 1851; lending, reference and legal deposit library; children's br. library; 26,000 mems.; 200,000 vols.; Librarian A. S. C. HOOPER, M.S. IN L.S.; publ. *Natalia* (annual).

University of Natal Library, Pietermaritzburg Campus: P.O.B. 375; f. 1909; 140,000 vols.; Librarian (vacant).

Durban Campus: *see under* Durban.

Port Elizabeth

Port Elizabeth City Libraries: P.O.B. 66; f. 1965; 341,193 vols.; City Librarian DAVID SANDERSON, B.A., LL.B.

University of Port Elizabeth Library: Private Bag 6058; f. 1964; 210,000 vols., 2,044 current periodicals; Librarian J. C. CRONJÉ, B.A., F.S.A.L.A.; publs. *Libra*† (annual), *Periodicals and other serial publications received*† (irregular), *List of new accessions*† (monthly).

Potchefstroom

Potchefstroom University for Christian Higher Education Libraries: f. 1921; 423,335 vols., 4,726 current periodicals; Librarian C. J. H. LESSING, M.A., F.S.A.L.A.; publs. *Union Catalogue of Theses and Dissertations of South African Universities, Abstracts of Theses and Dissertations accepted for higher Degrees in the Potchefstroom University, Wetenskaplike bydraes: Reekse A.B.F.H., Accession List.*

Pretoria

Central Agricultural Library: Private Bag 116; f. 1910; 58,950 vols., 1,453 current periodicals; branch libraries in each of the research institutes under the Directorate of Agricultural Research (*q.v.*); Librarian J. A. REYNECKE.

Council for Scientific and Industrial Research (CSIR) Library: P.O.B. 395, Pretoria 0001; f. 1945; *c.* 150,000 bound vols., 7,300 serial titles and 22,000 pamphlets; scientific and technical collections; 8 brs.; Librarian Mrs. J. I. SNYMAN, F.S.A.L.A.; publs. *Periodicals in South African Libraries* (jointly with Human Sciences Research Council).

Department of National Education Library: Private Bag X122; 83,000 vols.; special collections: adult education, education, education of the handicapped, library science, philology, psychology, domestic science; Librarian Mrs. H. E. VAN WYK.

Human Sciences Research Council Library: S.A. Agricultural Union Bldg., Schoeman St., Pretoria, Private Bag X41; f. 1969; approx. 50,000 vols.; 900 current periodicals (titles); loan, reference, current awareness service and retrospective searches for research staff; collection on human and social sciences; Librarian J. FOURIE, B.A.

State Library: P.O.B. 397, Pretoria 0001; f. 1887; national and legal depository library, and depository library for U.S. Government and UN publications; 750,000 vols., 6,330 current periodicals; responsible for the Joint Catalogue of Books in South African Libraries; National and Inter-library Loans centre; ISBN and ISSN centre for South Africa; Dir. H. J. Aschenborn, M.A., PH.D.; publs. *South African National Bibliography*† (quarterly and annual cumulations), *State Library Bibliographies, Contributions to Library Science, Africana Reprint Series* (all irregular), *Annual Report, Union Catalogue of Monographs in South African Libraries* (quarterly), *Bibliographies of overseas publications about South Africa*† (2 a year), *Index to South African periodicals* (5 a year on microfiche).

Transvaal Education Library and Audio-Visual Ancillary Service: 328 Van der Walt St.; f. 1951; Dir. Miss C. F. M. van Wyk; comprises *Education Library:* 160,000 vols., 800 periodicals; subject specialization, SDI services according to user profiles, systematic card catalogue, information retrieval system for periodicals (based on EUDISED); publs. *Book Catalogue* (with annual supplement), bibliographies. *School Library Services:* Model School Library; 35,000 vols.; book selection, central cataloguing, advisory services, courses for teacher-librarians; publs. *Book Guide* (3 a year), *Skoolbiblioteek/School Library* (2 a year). *Audio-Visual Services:* hardware and software information services, technical and professional advisory services to schools, courses in the use of instructional media.

Transvaal Provincial Library Service: Private Bag X288, Pretoria 0001; f. 1943; consists of Central Organization and Reference Library at Pretoria and 16 Regional Libraries; entire province served by 203 affiliated public libraries and 328 depots; 493,690 mems.; 4,206,909 vols.; Dir. S. C. J. Van Niekerk, B.A., F.S.A.L.A.; publ. *Book Parade* (quarterly).

University of Pretoria Libraries: f. 1908; 490,778 vols., 259,348 pamphlets, Govt. publs., periodicals, etc., 4,938 gramophone records, 17,137 sheet-music; Main Library (Merensky Library), Macfadyen Library, Central Medical Library, Basic Medical Science Library, Music Library, Veterinary Science Library, Agricultural Sciences Library; Special Collections: Africana, Goethe, Jacob de Villiers, J. Roos, J. du Plessis, Brand, Luther, F. van der Merwe; Dir. E. D. Gerryts, M.A. (BIBL.), D.LITT.ET.PHIL. (BIBL.).

University of S. Africa, Sanlam Library: P.O.B. 392, Pretoria; f. 1947; 660,000 vols., 6,200 current periodicals; Science Library, Music Library and Law Library specializing in Foreign and Comparative Law; brs. in Cape Town, Durban and Windhoek; Librarian J. Willemse, M.A., T.H.O.D., F.S.A.L.A.; publ. *Mousaion* (irregular).

Government Archives: Private Bag X236, Union Buildings, Pretoria 0001; Dir. of Archives for the Republic of South Africa and Namibia (South-West Africa) J. F. Preller; administers the following depots:

- **Cape Archives:** Private Bag X9025, Queen Victoria St., Cape Town; Asst. Dir. J. J. Smith.
- **Transvaal Archives Depot:** Private Bag X236, Union Buildings, Pretoria 0001; Asst. Dir. S. J. Schoeman.
- **Central Archives Depot:** Private Bag X236, Union Buildings, Pretoria 0001; Asst. Dir. S. J. Schoeman.
- **Orange Free State Archives:** Private Bag X0504, Elizabeth St., Bloemfontein 9300; Chief Archivist J. W. Cronje.
- **Natal Archives Depot:** Private Bag X9012, Pietermaritz St., Pietermaritzburg 3200; Chief Archivist Dr. B. J. T. Leverton.
- **Archives Depot of the Territory:** Private Bag 13250, Kaizerstrasse, Windhoek, Namibia (South West Africa); Chief Archivist J. H. Mienie.
- **Archives Intermediate Depot, Transvaal:** Private Bag X236, Union Buildings, Pretoria 0001 and Heyvries Buildings, Pretorius St., Pretoria 0001; Chief Archivist G. J. Reynecke.
- **Archives Intermediate Depot, Cape:** Private Bag X9025, Slotzboo Building, Cape Town 8000; Senior Archivist A. F. de Villiers.
- **Record Management Section:** Private Bag X236, Union Buildings, Pretoria; Asst. Dir. J. H. Cilliers.
- **Data Processing Section:** Private Bag X236, Union Buildings, Pretoria 0001; Chief Archivist G. J. Reynecke.
- **Publications Section:** Private Bag X236, Union Buildings, Pretoria 0001; Chief State Historian D. C. Joubert.

The administration of the Director of Archives also embraces the following: Section State Historians (State Historian: Dr. J. H. Breytenbach); National Monuments Commission; South African War Graves Board; Heraldry Section (State Herald N. F. Hartman); S.A. Defence Force Archives.

Stellenbosch

University Library: University of Stellenbosch, Private Bag 5036, Van Ryneveld St.; f. 1900; 494,000 vols., 7,130 current periodicals; 7 brs.; Librarian F. du Plessis, F.S.A.L.A.; publ. *Annals of the University of Stellenbosch*† (irregular).

MUSEUMS AND ART GALLERIES

Bloemfontein

National Museum: P.O.B. 266; f. 1877; Institute for Herpetology, Ornithology, Mammalogy, Arachnology, Palaeontology, Archaeology, Local History, Anthropology, Entomology and Ethnology; the unique Florisbad human fossil skull housed here; library of 3,400 vols., 2,200 serial titles; Dir. J. J. Oberholzer, M.SC.; publs. *Navorsinge van die Nasionale Museum*†, (Memoirs), *Researches of the National Museum*†, *Museum News*.

Cape Town

Maritime Museum: The Castle; f. 1971; ship models, maritime Africana oils and prints, uniforms, swords, etc.

Military Museum: The Castle; f. 1966; uniforms, swords, military paintings, war medals, pistols, rifles, etc.

(Both museums administered by the Directorate of Military Museums, P.B. X175, Pretoria.)

Michaelis Collection: The Old Town House, Greenmarket Square; f. 1917; Dutch and Flemish paintings and graphic art of the 16th–18th centuries; Dir. W. H. Gravett.

South African Museum: P.O.B. 61, Cape Town 8000; f. 1825; anthropology, archaeology, ethnology, zoology, palaeontology, marine biology, entomology; library of 5,300 vols. and *c.* 4,000 periodicals; Dir. Dr. T. H. Barry; publs. *Annals of the South African Museum*†, *Reports*†, *Brochures*†.

South African Cultural History Museum: P.O.B. 645, Cape Town 8000; Dir. Dr. Wolfgang Schneewind.

Koopmans de Wet House (Branch of S.A. Cultural History Museum): 35 Strand St.; unique specimen of 18thcentury Cape Dutch house displaying rare period furniture, silver, glass, china and pictures, and illustrating the conditions of domestic life in South Africa in the 18th and 19th centuries.

William Fehr Collection: The Castle, Cape Town; f. 1965; antique Cape furniture, silver, copper, glass, and Africana oils (Rust en Vreugd, Buitenkant St.; collection of Africana prints); Dir. Dr. J. J. P. OP'T HOF; publs. *Rust en Vreugd, Treasures at the Castle.*

South African National Gallery: Government Ave., P.O.B. 2420; f. 1871; 19th- and 20th-century South African art; 20th-century African art; 16th-20th-century European art; "Touch Gallery" for the blind; library of 5,000 vols.; Dir. Dr. R. H. VAN NIEKERK.

Durban

Durban Museum and Art Gallery: City Hall, Smith St.; f. 1887; South African fauna, flora, ethnography, archaeology; paintings, graphic art, porcelain, sculptures, local history; Dir. P. A. CLANCEY; Scientific Officer F. L. FARQUHARSON, M.SC.; Curator (Art) Miss E. S. J. ADDLESON, B.A.; Curator (Local History) Mrs. D. H STRUTT, A.M.A.; publ. *Novitates.*

Local History Museum: Old Court House, Aliwal St.; f. 1966; local and Natal historical collections; Dir. P. A. CLANCEY, A.M.A.; Curator of Local History Mrs. D. H. STRUTT, A.M.A.

East London

East London Museum: 319 Oxford St.; f. 1921; research departments and displays of conchology, ichthyology, malacology, ornithology of the Eastern Cape Province, cultural history of the Border region and ethnology of the Southern Nguni tribal group; houses first Coelacanth caught in 1938; educational service including small Children's Museum; administers Victorian house museum; Chair. Board of Trustees Dr. E. L. F. MCCONNACHIE; Dir. E. H. BIGALKE; publs. *Annals of the Cape Provincial Museums*†, *Annual Report*†.

Franschhoek

Huguenot Memorial Museum: Lambrechts St., P.O.B. 37, Franschhoek; f. 1967; research into Cape Huguenot history, exhibition of over 400 Huguenot pieces and documents; 450 mems.; Chair. S. F. DU TOIT; Curator Mrs. E. LE ROUX; publ. *Bulletin of the Huguenot Society of South Africa*†.

Grahamstown

Albany Museum: f. 1855; archaeology, entomology, freshwater ichthyology, freshwater invertebrates, 1820 British Settler history; maintains school service, circulation of display cases throughout eastern Cape Province; Dir. B. C. WILMOT; publ. *Cape Provincial Museums Annals*† (jointly with 4 other museums, irregularly).

Johannesburg

Adler Museum of the History of Medicine: University of the Witwatersrand, P.O.B. 1038, Johannesburg; f. 1962; collection of medical, gynaecological, dental and surgical instruments and equipment; reconstructions of early 20th-century pharmacy, doctor's and dentist's surgeries; library of over 8,000 vols. and a rare book collection, others written and autographed by S.A. doctors, 6,000 photographs, pictures, etc.; Hon. Dir. Dr. C. ADLER, D.PHYS.MED., F.R.S.S.AF., Hon. Curator Dr. E. B. ADLER, B.A., publs. *Bulletin*† (every 2 years).

Africana Museum: Public Library, Market Square; f. 1935; history and ethnology of Africa south of the Zambezi; Curator Mrs. L. J. DE WET; publs. *Africana Notes and News* (quarterly), *Annual Report*, catalogues of special exhibitions, Frank Connock publications.

Bensusan Museum of Photography: 17 Empire Rd., Parktown; f. 1969; br. of the Africana Museum; history of photography, particularly in South Africa.

Bernberg Museum of Costume: 1 Duncombe Ave., Forest Town; f. 1973; br. of the Africana Museum; costumes and accessories dating from *c.* 1790.

Geological Museum: Public Library, Market Square; f. 1890; economic geology especially of Southern Africa, gemmology, mineralogy, physical geology and petrology, South African stratigraphy and archaeology.

James Hall Museum of Transport: Pioneers' Park, Rosettenville Rd., La Rochelle, Johannesburg; br. of the Africana Museum; f. 1964; history of land transport in South Africa (excluding public railways).

Museum of South African Rock Art: Zoological Gardens, Jan Smuts Ave.; f. 1969; br. of the Africana Museum; open air display of rock engravings.

Municipal Art Gallery: Joubert Park; f. 1911; European and South African painting and sculpture, print collection, textiles, Oriental ceramics; Dir. PATRICIA A. SENIOR.

Kimberley

McGregor Museum: P.O.B. 316; f. 1907; archaeology and rock art, geology and zoology of N. Cape; Herbarium; ethnological collection housed in Duggan-Cronin Bantu Gallery, f. 1936; Dir. R. LIVERSIDGE; publ. *Cape Provincial Museums Annals* (jointly with 4 other museums).

Battlefield Museum: Magersfontein; f. 1971; Dir. R. LIVERSIDGE.

Kingwilliamstown

Kaffrarian Museum: 3 Lower Albert Rd.; f. 1898; contains a large collection of mammals; also collections of Eastern Cape ethnological material and material associated with early European settlement; Dir. DEREK M. COMINS; publs. *Annual Report, Cape Provincial Museums Annals*† (jointly with 4 other museums).

South African Missionary Museum: Berkeley St.; f. 1972; missionary endeavour in Southern Africa and by South Africans abroad; Curator A. MURRAY MCGREGOR, B.A., B.ED.

Pietermaritzburg

Natal Museum: 237 Loop St.; f. 1904; extensive natural history exhibits, especially the collections of African animals, birds, shells and insects; ethnology; Natal's history; research in Diptera, Arachnida, Mollusca, herpetology, small mammals, archaeology and ethnoarchaeology; Dir. Dr. B. R. STUCKENBERG; publ. *Annals of the Natal Museum*†.

Tatham Art Gallery (Municipal): City Hall; f. 1903; 19th-century and modern graphic art of the British School; 19th- and early 20th-century British and French painting and sculpture; 20th-century foreign graphics; South African art relating to the collection; English and Lalique glass; Curator LORNA FERGUSON.

Port Elizabeth

King George VI Art Gallery: 1 Park Drive; f. 1956; municipal art museum; major collection of British painting; also South African art, Oriental miniatures, international graphics, Chinese ceramics, historical pictures of early days of Port Elizabeth; reference library of 1,200 vols.; Dir. CLAYTON S. HOLLIDAY, B.A.F.A.

Port Elizabeth Museum: (incorporating Snake Park, Oceanarium, Tropical House and Historical Museum); Humewood; f. 1885, moved 1959; Research on marine biology, herpetology, ornithology and local history; library of 20,000 vols.; Museum; whale skeletons, shells and general marine life; fossils, geology, birds and local history; Snake Park: African and worldwide collection of reptiles; Oceanarium: local fish, sharks, sea birds, seals and dolphins; Dir. J. H. WALLACE, PH.D.; Curator Snake Park and Tropical House L. SANTUCCI; Curator Oceanarium N. DENTON; publs. *Cape Provincial Museums Annals*† (jointly with 4 other museums), *Annual Reports*†.

Pretoria

Foundation for Education, Science and Technology: P.O.B. 1758; f. 1960; art, education, science, history, biography, travel; Man. Dir. and Editor HEINE TOERIEN; publs. *Lantern* (quarterly), *Spectrum* (quarterly), *Archimedes* (quarterly), *Crux* (quarterly), *Klasgids* (quarterly).

Military Museum: Fort Schanskop; f. 1978; military paintings, firearms, uniforms, etc.

Municipal Art Gallery: Arcadia Park, Arcadia; f. 1964; South African art, international 20th century graphics; Dir. A. J. WERTH; publ. *Bulletin* (quarterly).

Pretoria Art Museum: 17th-century Dutch art.

National Cultural History and Open-Air Museum: P.O.B. 3300; f. 1964; comprises Cultural Museum (Boom St.), Voortrekker Monument Museum, Paul Kruger House Museum and Pioneer Open-Air Museum (Silverton); Dir. Mrs. K. ROODT-COETZEE.

Transvaal Museum: Paul Kruger St., P.O.B. 413; f. 1893; from 1964 a Natural History museum only; taxonomy, ecology, zoo-geography, with main emphasis on Southern Africa; primates, including fossil ape-man (Australopithecus); library of 29,000 vols.; Dir. C. K. BRAIN, PH.D., F.Z.S.; publs. *Memoirs*, *Annals*†, *Bulletin*†.

Stellenbosch

Stellenbosch Museum: f. 1962; Curator M. J. LE ROUX, B.A.; comprises:

Grosvenor House: Drostdy St.; completed 1803; several period rooms containing Cape furniture, Cape silver and other household articles.

V.O.C. Kruithuis: The Braak; built 1777; Exhibition of 17th-century cannon and other firearms and weapons; also articles relating to the military history of the town.

Schreuder House: Van Ryneveld St.; built 1709; furnished as early Stellenbosch pioneer dwelling.

Van der Bijl House: 37 Market St.; original dwelling built *c.* 1797; period room, pictorial exhibition.

Publ. *Stellenbossiana* (quarterly).

UNIVERSITIES

UNIVERSITY OF CAPE TOWN

PRIVATE BAG, CAPE TOWN 7700
Telephone: 694351.

Founded as South African College 1829, established as university 1918.

Language of instruction: English; Academic year: March to December (two terms).

Chancellor: H. F. OPPENHEIMER, M.A., D.ECON., LL.D.

Principal and Vice-Chancellor: RICHARD EDMONDS LUYT, G.C.M.G., K.C.V.O., D.C.M., M.A., LL.D.

Deputy Principal: Prof. MAURICE F. KAPLAN, PH.D., D.SC., F.I.C.E., F.I.STRUCT.E.

Deputy Principal (Planning): Prof. S. J. SAUNDERS, M.D., M.R.C.P., F.C.P.

Registrar: L. READ.

Librarian: Mrs. J. I. LAURENSON, B.A., LIB.DIP., F.S.A.L.A.

Library: *see* Libraries.

Number of teachers: 572 full-time, 632 part-time.

Number of students: 9,778.

DEANS:

Faculty of Arts: Prof. A. H. R. E. PAAP, LITT.D.

Faculty of Science: Prof. J. S. DE WET, M.A., PH.D.

Faculty of Engineering: Prof. V. L. GRANGER, PH.D., F.I.C.E.

Faculty of Law: Prof. W. H. B. DEAN, PH.D.

Faculty of Medicine: Prof. D. MACKENZIE, M.MED.

Faculty of Education: Prof. I. DE V. HEYNS, M.A., M.SC., M.ED., PH.D.

Faculty of Commerce: L. KRITZINGER, C.A.(S.A.).

Faculty of Music: Prof. M. BRIMER, M.A.

Faculty of Fine Art and Architecture: Prof. R. S. UYTENBOGAARDT, M.ARCH., M.C.P., M.I.A.

Faculty of Social Science: Prof. P. D. DU PREEZ, PH.D.

PROFESSORS:

Faculty of Arts and Sciences:

AHRENS, L. H., M.A., D.SC., F.R.I.C., F.R.S.S.AF., Geochemistry
BAUMBACH, L., M.A., Classics
BROOKS, F. D., M.SC., Nuclear Physics
BROWN, A. C., MS.C., PH.D., F.Z.S., Zoology
CRESPIGNY, A. R. C. DE, M.A., PH.D., Political Science
CHERRY, R. D., M.SC., PH.D., Physics
CUMPSTY, J. S., M.S., PH.D., Religious Studies
DAVIES, R. J., M.SC., PH.D., Geography
DINGLE, R. V., PH.D., Marine Geoscience
DU RY, C., Cultural History of Western Europe
ELLIS, G. F. R., PH.D., Applied Mathematics
FRAHN, W. E., DIP.PHYS., DR.RER.NAT., Theoretical Physics
GILLHAM, D. G., M.A., PH.D., English
GURZYNSKI, Z. S., B.COM., Economics
HORN, P. R. G., PH.D., German
HOUSEHAM, K. O., M.SC., M.A., Mathematics
HOWES, J. R., M.A., PH.D., Philosophy
KESTING, J. G., M.A., F.S.A.L.A., Librarianship
LEISEGANG, E. C., M.SC., PH.D., Theoretical Chemistry
LEWIS, O. A. M., M.SC., PH.D.
LOUW, G. N., M.SC., PH.D., Zoology
MACGREGOR, M.SC., Computer Science
MOHR, R., Speech Training and Dramatic Art
PAAP, A. H. R. E., D.LITT., Classics
PROUT, E. G., M.SC., PH.D., Physical Chemistry
REID, A. M., M.SC., PH.D., Geology
RYCROFT, H. B., M.SC., PH.D., F.R.S.S.AF., Botany
SCHELPE, E. A. C. L. E., M.SC., D.PHIL., F.R.S.S.(AF.), F.L.S., Plant Taxonomy
SCHOLTZ, H. V. D. M., M.A., D.LITT., Afrikaans and Dutch
SHACKLETON, M., M.A., PH.D., French
SIMPSON, E. S. W., M.A., PH.D., Oceanography
STEPHEN, A. M., PH.D., D.PHIL., A.R.I.C., Organic Chemistry
THORNTON, D. A., PH.D., Inorganic Chemistry
TROSKIE, C. G., M.SC., PH.D., Mathematical Statistics
VAN DER MERWE, N. J., PH.D., Archaeology
VAN REGENMORTEL, M. H. V., PH.D., Microbiology
VON HOLT, C., M.D., Biochemistry
WARNER, B., PH.D., Astronomy
WEBB, C. DE B., M.A., History
WEST, M. E., M.A., PH.D., Social Anthropology
WESTPHAL, E. O. J., M.A., PH.D., African Languages
WHITTOCK, T. G., PH.D., English
WILSON, F. A. H., M.A., PH.D., Labour Economics

Faculty of Engineering:

ADAMS, L. P., PH.D., Surveying
BESSELING, J. L. N., PH.D., Electrical Engineering
CARR, A. D., PH.D., A.M.I.CH.E., Chemical Engineering
DUTKIEWICZ, R. K., M.SC., PH.D., Mechanical Engineering
ENSLIN, N. C. DE V., M.SC., PH.D., Electrical Engineering
MARAIS, G. VAN R., M.SC., Water Resources and Public Health Engineering
MARTIN, J. B., PH.D., D.SC., Civil Engineering
METCALF, P., M.A., Mechanical Engineering

Williams, H. S., M.SC., PH.D., Surveying

Faculty of Law:
Dean, W. H. B., LL.B., Public Law
De Vos, W., DOC.JUR., LL.D., Roman-Dutch Law
De Wet, J. C., LL.D., Roman and Comparative Law
Gibson, J. T. R., LL.B., Commercial Law
Leeman, I., B.A., LL.B., South African Private Law
Van Rooyen, J. H., M.C.L., Criminology

Faculty of Medicine:
Barnard, C. N., M.D., D.SC., PH.D., F.A.C.S., F.A.C.C., Cardiac Surgery
Beighton, M. D., M.R.C.P., D.C.H., Human Genetics
Berman, M. C., M.MED., PH.D., Chemical Pathology
Bull, A. B., M.B., CH.B., F.F.A.R.C.S., Anaesthetics
Cremin, B. J., M.B., L.R.C.P., Radiodiagnosis
Cywes, S., M.MED., Paediatric Surgery
Dall, G., CH.M., Orthopaedic Surgery
Davey, D., M.B., B.S., PH.D., M.R.C.S., L.R.C.P., D.C.R.O.G., M.R.C.O.G., Obstetrics and Gynaecology
De Villiers, J. C., M.D., F.R.C.S., Neurosurgery
Dowdle, E. B. D., M.D., M.R.C.P., Clinical Science and Immunology
Eales, L., M.D., F.R.C.P., Clinical Medicine
Folb, P. I., M.D., F.R.C.P., Pharmacology
Gevers, W., M.A., D.PHIL., Medical Biochemistry
Gillis L. S., M.D., Psychiatry
Heese, H. de V., M.D., D.C.H., Paediatrics and Child Health
Jackson, W. P. U., M.A., M.D., F.R.C.P., Medicine
Jacobs, P., M.D., Haematology
Keen, E. N., M.D., F.R.C.S., Anatomy
Kipps, A., M.D., Bacteriology
Louw, J. H., M.B., CH.M., F.R.C.S., F.A.C.S., Surgery
McKenzie, D., M.MED., F.R.C.(PATH.), Medical Education
Meyers, O. L., M.B., CH.B., F.C.P., Rheumatology
Saunders, S. J., M.D., M.R.C.P., F.C.P., Medicine
Sloan, A. W., M.D., PH.D., F.R.F.P.S., M.R.C.P., F.R.S.S.AF., Physiology
Smith, L. S., M.B., B.CH., D.P.H.D.BACT., M.C.PATH., Forensic Medicine and Toxicology
Spencer, I. W. F., M.D., Community Medicine
Terblanche, J., CH.M., F.C.S., F.R.C.S., Surgery
Uys, C. J., M.D., D.CLIN., F.R.C.PATH., Pathology

Faculty of Education:
Erasmus, O. C., D.ED., Afrikaans Education
Hart, I. E. J., M.A., M.ED., PH.D., English Education
Heyns, I. de V., PH.D., Psychology of Education

Faculty of Commerce:
Feldberg, M., M.B.A., PH.D., Graduate School of Business
Hampton, J. D., M.SC., Business Science
Kritzinger, L., C.A.(S.A.), Accounting
Simpson, J. D., M.B.A., PH.D., Graduate School of Business

Faculty of Music:
Brimer, M. A.

Faculty of Fine Art and Architecture:
Dubow, N. E., B.ARCH., M.I.A., A.R.I.B.A., F.R.S.A., Fine Art
Prinsloo, I. C., B.ARCH., M.SC.(T.R.P.), Architecture
Rabie, J. W., M.A.Q.S., A.R.I.C.S., Quantity Surveying
Uytenbogaardt, R. S., M.ARCH., M.C.P., M.I.A., Urban and Regional Planning

Faculty of Social Science:
Beekman, J. F., O.O.N., LL.D., M.DIV., Public Administration
Du Preez, P. D., M.SC., PH.D., Psychology
Hare, A. P., A.S.T., PH.D., Sociology
Helm, Mrs. B., M.SOC.SC., Applied Sociology in Social Work

Attached Research Institutes:

Abe Bailey Centre for Intergroup Studies: Rondebosch; f. 1968 from funds provided by the Abe Bailey Trust, to promote good relations between the peoples of South Africa; research in race and language group relations; Dir. Prof. H. W. van der Merwe, M.A., PH.D.

Central Acoustics Laboratory: f. 1972 to cater for research requirements in acoustics for staff and postgraduate students; Controller A. Semmelink, PH.D., M.A.S.A., M.I.E.E.

Centre for African Studies: f. 1975 to promote research on man in Africa, to forge academic links with other African countries and to develop U.C.T. as a resource centre for African research; Dir. Prof. N. J. van der Merwe, PH.D.

Chamber of Mines Precambrian Research Unit: f. 1963; attached to the Dept. of Geology to conduct and co-ordinate research on Precambrian rocks; Dir. P. Joubert, M.SC., PH.D.

Energy Research Unit: f. 1976; to co-ordinate work on various aspects of energy production; Dir. Prof. R. K. Dutkiewicz, M.SC., PH.D.

Fishing Industry Research Institute: Rondebosch; f. 1946; financed by industry, the C.S.I.R. and the Admin. of South West Africa; Dir. R. J. Nachenius.

Institute of Child Health: f. 1974 to co-ordinate activities regarding the care of children.

Institute of Criminology: f. 1977; Dir. Prof. J. H. van Rooyen, M.C.L.

Institute of Oceanography: Rondebosch; f. 1963 to co-ordinate activities in branches of marine research; controlled by a Board on which other university institutes and research departments are represented.

Percy Fitzpatrick Institute of African Ornithology: Rondebosch; affiliated to U.C.T. in 1960 to promote studies in African ornithology and to provide advanced teaching in this field; Dir. W. R. Siegfried.

School of Environmental Studies: f. 1973; teaching and research, mainly at post-graduate level, on an inter-disciplinary basis; Dir. Prof. R. F. Fuggle, M.SC., PH.D.

South African Mining Research Centre for Heart Disease and Organ Transplantation: f. 1968 with a gift from South African Mining Finance Houses; provides facilities for investigation of heart disease and organ transplantation; Dir. Prof. E. B. D. Dowdle, M.D., F.R.C.P.

Southern Universities Nuclear Institute: Faure; f. 1961 by the Universities of Cape Town and Stellenbosch to provide advanced research facilities to university staff and postgraduate students; main research facility is a 5.5 MeV Van de Graaff accelerator with pulsed ion source; Chair. of Board of Govs. Sir R. Luyt; Chief Scientist Dr. I. J. Van Heerden.

Teaching Methods Unit: f. 1977 to improve quality of teaching and learning by diagnostic analysis of teaching programmes and learning processes and by promoting experimental research; Dir. Prof. J. H. F. Meyer, M.SC., PH.D.

UNIVERSITY OF DURBAN-WESTVILLE

PRIVATE BAG X54001,
DURBAN 4000
Telephone: 821211.

Founded 1960, for Indian students. (Also open to white students from 1978.)

Language of instruction: English; State control; Academic year: February to December (three terms).

Chancellor: Senator O. P. F. Horwood.
Vice-Chancellor and Rector: Prof. S. P. Olivier, M.ED., D.PHIL.
Registrar: G. E. Heystek.
Librarian: R. de Wet, M.A.

Number of teachers: 289.
Number of students: 4,402.

Publications: *Journal*† (irregular), *Calendar*† (annual).

Deans:

Faculty of Arts: Prof. J. St. E. Pretorius, M.A.
Faculty of Commerce and Administration: Prof. J. Venter, D.COM.
Faculty of Education: Prof. J. L. le R. Cilliers, M.SC., D.ED.
Faculty of Law: Prof. B. G. Ranchod, LL.D.
Faculty of Science: Prof. T. D. Steinke, D.SC.

Professors and Heads of Departments:
Anderson, W. W., M.A., D.PHIL., Social Work
Andrew, R. V., D.LITT., Education
Behr, A. L., M.ED., D.ED., Education
Behr, D., M.A., D.PHIL., M.B., Industrial Psychology
Bekker, J. H., D.ED., Education
Bharuth-Ram, K., M.SC., D.PHIL., Physics
Brimer, A., D.LITT., English
Bughwan, D., L.R.A.M., D.LITT. ET PHIL., Speech and Drama
Buijs, J., M.COM., Business Economics

Burger, F. J., m.sc., Physiology
Calitz, F., m.com., d.com., Statistics
Cipolla, G., d.litt.et phil., Classical Languages
Coetzee, W. A. J., d.phil., Public Administration
Du Preez, A. L., m.sc., m.b.a., Pharmacy
Fourie, L., m.a., Economics
Frank, G. H., d.sc., Zoology
Graser, R. R., b.a., Criminology
Guthrie, A. M., pr.eng., m.sc., ph.d., Engineering
Hawtrey, A. O., ph.d., d.sc., Biochemistry
Heiberg, L. R., m.a., d.litt., Afrikaans-Nederlands
Horn, R. P. S., m.sc.eng., ph.d., Engineering
Hurt, C. A. R., ph.d., Chemistry
Krige, W. A., m.a., s.t.m., th.d., Theology
Lakhi, C. M., m.a., History of Art
Maharaj, S. R., ph.d., Education
Morris, R. M., pr.eng., c.eng., m.sc., ph.d., Engineering
Nadvi, S. H. H., ph.d., Arabic, Urdu and Persian
Nadvi, S. S., m.a., ph.d., Islamic Studies
Norman, D. G., m.sc., m.eng., Engineering
Oosthuizen, G. C., m.a., th.m., d.phil., s.t.m., th.d., Theology
Orpen, R. D., b.com., c.a., Accounting and Auditing
Pienaar, P. T., m.a., ph.d., Education
Posel, K., ph.d., d.sc.eng., Mathematics
Pretorius, J. st. E., m.a., History
Ramfol, C., m.a., b.ed., ph.d., Psychology
Ramsden, W. A., ll.b., Mercantile Law
Ranchod, B. G., ll.d., Private Law
Rauche, G. A., d.phil., d.litt., Philosophy
Roeleveld, L., ll.d., Public Law
Roth, G., d.sc., Microbiology
Schoombee, G. F., d.phil., Sociology
Schoute-Vanneck, C. A., ph.d., Physics
Smit, J. van R., d.phil., Chemistry
Smith, A. L., m.sc., d.sc., f.z.s., Zoology
Smout, M. A. H., ph.d., Geography and Geology
Spencer, H., ph.d., Oriental Studies
Steinke, T. D., m.sc.. ph.d., Botany
Veltman, A. M., d.sc., Pharmacy
Venter, J., d.com., Business Administration
Viljoen, J. H., m.b.a., c.a.(s.a.), a.c.i.s., c.w.a., Accounting and Auditing
Volschenk, P., m.a., (f.a.), d.phil., Fine Arts
Wethmar, C. J., th.d., Theology
Zangenberg, F., d.phil., Oriental Studies

ATTACHED INSTITUTES:

Cancer Research Institute: Dir. Dr. J. D. Randeria, m.sc., ph.d.

Child Guidance and Research Centre: Dir. Prof. A. L. Behr, m.ed., d.ed.

Communications Media Research: Dir. R. W. H. Pope, b.ed.

Institute of Social and Economic Research: Dir. Prof. J. J. C. Greyling, m.a., ph.d.

UNIVERSITY OF FORT HARE

PRIVATE BAG 314, ALICE 5700,
CAPE PROVINCE
Telephone: Alice 281.

Founded under the name "South African Native College" in 1916 by the United Free Church of Scotland. In 1960 the College was transferred to the Department of Bantu Education to cater specifically for the Xhosa ethnic group. In 1970 the University College received its academic autonomy and became known as the University of Fort Hare.

Language of instruction: English; Academic year: February to November (four terms).

Chancellor: Dr. P. E. Rousseau, m.sc., d.sc.

Vice-Chancellor and Rector: Prof. J. M. de Wet, m.sc., ph.d.

Vice-Rector: A. Coetzee, cand. theol., m.a., d.litt.

Chairman of the Council: Prof. J. J. Gerber, b.sc., m.ed.

Chairman of Advisory Council: D. M. Ntusi, b.econ., b.a.

Registrar: H. van Huyssteen, b.a., ll.b.

Dean of Students: H. M. Nabe, b.a.

Librarian: M. Spruyt, ll.m.

Library: *see* Libraries.

Number of teachers: 176, including 39 professors.

Number of students: 1,800.

Publications: *Speculum Juris, Fort Hare Papers.*

DEANS:

Faculty of Law: G. S. Wood, b.a., ll.b.

Faculty of Arts: Prof. E. J. de Jager, d.phil.

Faculty of Education: Prof. J. A. T. Wentzel, d.ed.

Faculty of Science: Prof. G. J. J. van Rensburg, ph.d.

Faculty of Commerce: Prof. P. B. Trevor-Roberts, d.com.

Faculty of Theology: Prof. F. Hecht, d.d.

Faculty of Agriculture: Prof. E. H. Graven, ph.d.

PROFESSORS

Batson, E., b.sc., Sociology and Criminology
Brown, D. L., d.sc., Animal Science
Coetzee, A., m.a., d.litt., Afrikaans-Nederlands
Coetzee, C. G., m.a., d.phil., History
De Jager, E. J., m.a., d.phil., African Studies
Downing, B. H., m.sc., ph.d., Botany
Duminy, P. A., m.ed., Didactics and Comparative Education
Du Preez, J. P. A., b.sc., d.ed., Psychology
Eekhout, L., b.sc., Land Surveying
Eksteen, M. C., Political Science
Els, J. M., d.litt., Classical Languages
Giesekke, E. W., ph.d., Chemistry
Graven, E. H., ph.d., Agronomy
Hecht, F., Theology
Hough, M. A., b.a., m.s., Social Work
Kriel, A. P., m.a., ph.d., Bantu Languages
Labuschagne, J., m.a., ll.m., Constitutional Law
Laker, M. C., d.sc., Soil Science
Lamprecht, J. A., Systematic Theology
Linde, S., m.sc., Applied Mathematics and Statistics
Marais, E. J., m.a., b.d., d.th., Philosophy
Marais, J. N., ph.d., Agronomy
Millar, C., m.a., m.sc., Teaching Science
Pahl, H. W., b.a., b.sc., Bantu Languages
Pretorius, E. A. C., d.th., New Testament Studies
Seretlo, J. R., ph.d., Physics
Theron, J. C., d.sc., Geology
Trevor-Roberts, P. B., d.comm., Industrial Psychology
Van den Berg, R. A., m.sc., d.sc., Zoology
Van Oortmerssen, J., m.a., English
Van Rensburg, G. J. J., ph.d., Mathematics
Viljoen, G. P., Applied Mathematics and Statistics
Wentzel, J. A. T., d.ed., Empirical Education and Orthopedagogics

MEDICAL UNIVERSITY OF SOUTHERN AFRICA

P.O.B. 4302, PRETORIA 0001
Telephone: 28881.

Founded 1978 to provide training in Medicine, Dentistry and Veterinary Science for Black students.

State control; Language of instruction: English; Academic year: January to December (two terms).

Vice-Chancellor and Rector: H. W. Snyman, m.b., b.ch., m.d., s.m.

Chairman of the Council: P. C. Snijman, b.d.s., f.d.s.r.c.s., h.d.d., r.f.p.s.

Registrar: P. J. Venter, d.ed., u.e.d., t.t.d., m.r.s.t., t.i.o.m.(s.a.).

Librarian: A. D. P. Pienaar, b.a., t.h.e.d.

PROFESSORS:

Bam, W. J., b.a., t.e.d., m.b., ch.b., m.med., Internal Medicine
Booyens, J., d.sc., ph.d., Physiology
De Villiers, D. M., m.b., ch.b., m.med., m.f., Pathology (Anatomy)
Dunston, T. H. J., m.b., ch.b., m.d., Pathology (Chemical)
Hansen, O. E., m.b., b.ch., f.r.c.s., Surgery (General)
Joubert, P. H., b.sc., m.med.sc., m.b., b.ch., m.k.i.(s.a.). Pharmacology
Labuschagne, C. J. J. T., m.sc., ph.d., Physiology
Le Roux, C. G. J.. m.b., ch.b., Anatomy
Mokgogong, E. T., b.sc., m.b., ch.b., f.c.o.g., Obstetrics and Gynaecology

THE UNIVERSITY OF NATAL

KING GEORGE V AVENUE,
DURBAN
AND P.O.B. 375,
PIETERMARITZBURG,
NATAL
Telephone: 35-2461 (Durban),
63320 (Pietermaritzburg).

Founded in 1910 as a constituent college of the University of South Africa, achieved independent status under the control of its own Council and Senate in 1949.

Language of instruction: English; Academic year: February to November (two terms)

Chancellor: Dr. B. A. Armitage, l.d.s., f.r.c.s.(e.).

Vice-Chancellor and Principal: Prof. N. D. Clarence, ph.d.

Chairman: L. S. Robinson.

Vice-Principal (Durban): Prof. P. de V. Booysen, M.SC.AGRIC., PH.D.

Vice-Principal (Pietermaritzburg): Prof. G. D. L. Schreiner, PH.D.

Registrar: A. K. B. Skinner.

Finance Officer: E. L. Beyers, B.COM., A.I.M.T.A.(SA), A.I.CO.S.

University Librarian (Durban): F. Scholtz, B.A.

University Librarian (Pietermaritzburg): (vacant).

Libraries: *see* under Libraries.

Number of staff: 787.
Number of students: 8,355.

Publications: ***Natal University News***, ***Theoria***, ***Calendar*** (annual), Student newspapers: ***Nux*** (fortnightly), ***Dome*** (fortnightly).

DEANS:

Faculty of Arts: Prof. C. O. Gardner, M.A.

Faculty of Science: Prof. D. R. Hunter, O.B.E., PH.D.

Faculty of Education: Prof. A. M. Barrett, M.A., M.ED.

Faculty of Law: Prof. E. M. Burchell, M.A., LL.D.

Faculty of Commerce: Prof. P. J. C. Seneque, B.ECON.

Faculty of Engineering: Prof. L. Roberts, M.SC.ENG., PH.D.

Faculty of Social Science: Prof. L. Schlemmer, B.A.

Faculty of Agriculture: Prof. W. J. Stielau, M.SC.AGRIC., PH.D.

Faculty of Medicine: Prof. T. L. Sarkin, M.CH., M.D.

PROFESSORS:

Faculty of Agriculture:
- Allan, P., Horticultural Science
- Behrmann, H. I., Agricultural Economics
- Martin, M. M., Plant Pathology and Microbiology
- Meiring, P., Agricultural Engineering
- Nathanson, K., Crop Science
- Stielau, W. J., Animal Science and Poultry Science
- Weyers, W. H., Genetics

Faculty of Architecture:
- O'Brien, E. J., Building
- Robins, D. L. J., Town and Regional Planning

Faculty of Arts:
- Ballantine, C. J., Music
- Benyon, J. O., Historical and Political Studies
- Botha, T. J. R., Afrikaans
- Bredenkamp, V. J., Divinity
- Brückl, O. K. J., German
- Conradie, Anna, Philosophy
- Cope, A. T., Bantu Languages
- De Wet, B. X., Classics
- Gardner, C. O., English
- Henderson, M. M., Classics
- Horton, J. W., History
- Hunnings, G., Philosophy
- Nienaber, C. J. M., Afrikaans
- Orton, R., Speech and Drama Studies
- Sands, R., English
- Scholtz, P. J. H., Speech and Drama
- Schoonraad, M. G., Fine Arts and History of Art
- Sienart, French
- Trotter, G. J., Economics
- Wakerley, Isolina-Colette, French

Faculty of Commerce:
- Seneque, P. J. C., Accountancy
- Van Waasdijk, T., Business Administration

Faculty of Education:
- Coetsee, I., Educational Psychology
- Fouché, G. W., Educational Psychology
- Hayward, F. J. D., Education
- Niven, J. Mc G., Education

Faculty of Engineering:
- Hellawell, R. A., Electrical Engineering
- Jenkins, D. P., Land Surveying
- Katz, Z., Mechanical Engineering
- Knight, K., Civil Engineering
- Woodburn, E. T., Chemical Engineering

Faculty of Law:
- Burchell, E. M., Law
- Mathews, A. S., Law

Faculty of Medicine:
- Adams, E. B., Medicine
- Baker, L. W., Surgery
- Braithwaite, J. L., Anatomy
- Cheetham, R. W. S., Psychiatry
- Downing, J. W., Anaesthetics
- Engelbrecht, H. E., Radiology
- Fernandes, C. M. C., Oto-rhino-laryngology
- Greig, H. B. W., Haematology
- Joubert, S. M., Chemical Pathology
- Leary, W. P. P., Experimental and Clinical Pharmacology
- Le Roux, B. T., Thoracic Surgery
- Naude, J. H., Urology
- Philpott, R. H., Gynaecology and Obstetrics
- Reid, J. V. O., Physiology
- Sarkin, T. L., Orthopaedic Surgery
- Welsh, N. H., Ophthalmology

Faculty of Science:
- Albino, R. C., Psychology
- Alexander, Anne, Biological Sciences (Animal)
- Bayles, J. W., Chemistry and Chemical Technology
- Bosman, T., Entomology
- Hanks, J., Biological Sciences
- Hunter, D. R., Geology and Mineralogy
- Joubert, G. R., Computer Science
- Meester, J. A. J., Zoology
- Pienaar, R. N., Botany
- Preston-Whyte, R. A., Geography
- Quicke, G. V., Biochemistry
- Raab, R. E., Physics
- Rayner, A. A., Statistics and Biometry
- Schuddeboom, F. J., Mathematics and Applied Mathematics
- Tavener-Smith, R., Geology and Mineralogy
- Theron, P. A., Psychology
- Troskie, L., Mathematical Statistics
- Walker, A. D. M., Physics
- Williams, O., Geography

Faculty of Social Science:
- Argyle, W. J., African Studies
- Shaw, Frances C., Social Work
- Watts, H. L., Sociology

RESEARCH INSTITUTES:

Centre for Applied Social Sciences: Durban; f. 1953.
Director: L. Schlemmer, B.A.

Natal Institute of Immunology: *see* under Research Institutes.

Oceanographic Research Institute: 2 West St., Durban; f. 1959.
Director: Dr. A. E. F. Heydorn, PH.D.

Research Institute for Diseases in a Tropical Environment: Umbilo Rd., Durban; f. 1948.
Director: S. M. Joubert, M.SC., M.B.CH.B., F.R.C.PATH. (acting).

Sugar Milling Research Institute: Francois Rd., Durban; f. 1948.
Director: M. Matic, DIP.ING.CHIM., PH.D.

Wattle Research Institute: Scottsville, Pietermaritzburg; f. 1946.
Director: J. A. Stubbings, B.SC.

UNIVERSITY OF THE NORTH

PRIVATE BAG X5090,
PIETERSBURG 0700

Central Telephone: Sovenga 33/34.

Founded 1959 to serve the Tsonga, Sotho, Venda and Tswana peoples.

State control; Languages of instruction: English and Afrikaans; Academic year: February to November (two semesters).

Chancellor: Dr. M. J. Madiba.

Vice-Chancellor and Rector: Prof. W. M. Kgware, D.ED.

Registrar (Academic): Prof. J. C. Steenekamp, D.ED., PH.D.

Registrar (Administrative): H. J. J. Kirsten.

Librarians: S. P. Manaka, M.A.(BIBL.), C. P. Bothma, B.SC.

Number of teachers: 167.
Number of students: 1,474.

Publications: *Unikon* (annual), *Series A, B and C* (irregular).

DEANS:

Faculty of Arts and Philosophy: Prof. J. G. Pretorius, PH.D.

Faculty of Theology: Prof. J. H. Scheepers, D.TH.

Faculty of Education: Prof. A. Vermeulen, D.ED.

Faculty of Mathematics and Natural Sciences: Prof. A. G. Le Roux, D.LITT. ET PHIL.

Faculty of Economics and Administration: Prof. J. Swanepoel, D.COM.

Faculty of Law: Prof. P. W. du Plessis, LL.D.

Dean of Students: Prof. P. C. Mokgokong, D.LITT. ET PHIL.

PROFESSORS:

Faculty of Arts and Philosophy:
- Benade, J. T., D.LITT., Classical Languages
- Bopape, M., M.A., D.PHIL., Social Work
- Engelbrecht, F. J., M.A., Philosophy
- Grové, D., M.A., D.LITT. ET PHIL., Sociology and Criminology
- Herholdt, A. N. J., D.PHIL., Political Science
- Hottingh, P. S., M.A., D.LITT. ET PHIL., Geography
- Le Roux, A. G., M.A., D.LITT. ET PHIL., Psychology

MATHIVA, M. E. R., M.A., D.LITT., Venda
MOKGOKONG, P. C., D.LITT. ET PHIL., Northern Sotho
PRETORIUS, J. G., PH.D., History
SINCLAIR, A. J. L., M.A., PH.D., Afrikaans and Dutch
VAN TONDER, I. S. J., M.A., D.PHIL., Sociology and Criminology

Faculty of Mathematics and Natural Science:

DE VILLIERS, P. A., M.SC., PH.D., Chemistry
DE WET, C. R., D.SC., Chemistry
ELS, W. J., D.SC., Physiology
GAIGHER, H. L., D.SC., Physics
JANSE VAN VUUREN, D. R., D.SC., Botany
OLIVER, P. C. DU V., M.SC., PH.D., Mathematical Statistics
OOSTHUIZEN, H. J., M.SC., PH.D., Computer Science
SAAYMAN, J. E., M.SC., PH.D., Zoology and Biology
SAMSON, J. P., B.A., M.CUR., Nursing

Faculty of Economics and Administration:

SWANEPOEL, J., D.COM., Economics

Faculty of Education:

HEIBERG, P. J., M.A., Philosophy of Education
MOHANOE, P. F., D.ED., Didactics
VERMEULEN, A., D.ED., Empirical Education

Faculty of Theology:

BOLINK, P., THEOL.CAND., D.TH., Church History, Mission
KOTZE, P. P. A., D.D., Old and New Testament
SCHEEPERS, J. H., D.TH., Old and New Testament
VAN DER MERWE, H., M.A., D.D., Dogmatics, Theological Ethics and Practical Theology
VAN WYK, J. A., D.TH., Dogmatics, Theological Ethics and Practical Theology

Faculty of Law:

DU PLESSIS, P. W., LL.D., Private Law
MAPENA, I. O. H. M., M.A., African Government and Law
VAN DEN HEEVER, J. A., B.IURIS, B.A., LL.B., Public Law

UNIVERSITY OF THE ORANGE FREE STATE

P.O.B. 339,
BLOEMFONTEIN, O.F.S.
Telephone: 70711.

Founded 1855. Formerly a Constituent College of the University of South Africa; independent status 1949.

Principal language of instruction: Afrikaans; Academic year: February to November.

Chancellor: Prof. B. KOK, M.A., LITT.DOCTS., D.LITT.

Vice-Chancellor and Rector: Prof. W. L. MOUTON, M.SC., PH.D.

Chairman: S. J. NAUDE, D.COM.

Administrative and General Registrar: H. P. JOHNSON, B.COM.

Academic Registrar: Prof. C. D. ROODE, M.A., D.PHIL.

Librarian: F. J. POTGIETER, B.COM., A.S.A.L.A., DIPL.BIBL.

Number of teachers: 368.
Number of students: 8,240.

DEANS:

Faculty of Arts: Prof. W. J. RICHARDS, M.A., D.LITT.

Faculty of Science: Prof. E. G. BOONSTRA, M.A., M.SC., PH.D.

Faculty of Social Science: Prof. R. A. VILJOEN, M.A., D.PHIL.

Faculty of Education: Prof. N. T. VAN LOGGERENBERG, M.ED., D.ED.

Faculty of Law: Prof. J. N. R. VAN RHYN, DIP.PROC., D.R.S., LL.B.

Faculty of Economic and Administrative Science: Prof. T. G. BORDER, M.COM., D.COM.

Faculty of Medicine: Prof. F. P. RETIEF, D.PHIL., M.B., CH.B., M.D.

Faculty of Agriculture: Prof. H. A. KOTZE, D.SC.AGRIC.

Teachers' College: Prof. A. J. C. JOOSTE, B.ED., B.A., B.COM.

PROFESSORS:

Faculty of Arts:

BARNARD, L. D., M.A., D.PHIL., Political Science
BEUKES, G. J., M.A., D.LITT., Afrikaans/Dutch
BRUSSOW, A. V., B.P.E.D., M.ED., Physical Education
DE GROOTE, P. A. C., H.T.D., Music
DE KOKER, B., D.PHIL., Drama
FOKKER, D. W., M.SC., Librarianship
GILDENHUYS, J. G., M.A., D.LITT., Bantu Language
JOUBERT, J., M.A., D.LITT., Romance Languages
LAUBSCHER, F. DU T., M.A., D.LITT., Hebrew
LOMBARD, J. C., M.A., TH.D., V.U., Biblical Studies
MOLL, J. C., M.A., D.PHIL., History
MOSTERT, C. W., M.A., D.LITT., English
MULLER, F. R., M.A., D.LITT., English
NEL, C. J., M.A., D.PHIL., Anthropology
NEL, D. E., M.A., D.LITT. ET PHIL., Geography
OVERDUIN, P. G. T., D.ED., Librarianship
POTGIETER, J. H., D.MUS., U.O.L.M., U.V.L.M., Music
RICHARDS, W. J., M.A., D.LITT., Latin
SENEKAL, J. H., M.A., D.LITT., Afrikaans/Dutch
SNYMAN, A. H., M.A., D.LITT., Classical Culture
STRAUSS, D. F. M., M.A., D.PHIL., Philosophy
TEURLINCKX, A. A. F., D.PHIL., History and Appreciation of Art
VAN HEERDEN, C., M.A., D.LITT., Afrikaans/Dutch
VAN SCHOOR, M. C. E., M.A., M.ED., D.LITT., History
VENTER, J. F., M.A., D.PHIL., Applied Anthropology
VON DELFT, K. U. T., D.LITT., German

Faculty of Science:

BOK, L. D. C., M.SC., DR.RER.NAT., Physical and Applied Chemistry
BOONSTRA, E. G., M.A., M.SL., PH.D., Physics
BOTHA, B. J. V., M.SC., D.SC., Geology
DE LA ROSA, B., M.SC., DR.SC.T., Pure Mathematics
DE WAAL, D. J., PH.D., Statistics and Finance
ELOFF, J. N., D.SC., Botany
GROBLER, N. J., D.SC., Geology
HEWITT, P. H., PH.D., Entomology
JARRETT, A. H., M.SC., PH.D., Astronomy
KRITZINGER, A., D.SC., Genetics
LATEGAN, P. M., M.SC., D.SC., Microbiology
LE ROUX, P. L., M.SC., PH.D., Biochemistry
MALAN, W. H., B.SC., Q.S., Quantity Surveying
NEL, D. G., D.SC., Statistics
POTGIETER, H. J., M.SC., PH.D., Microbiology
ROODT, L., M.ARCH., L.I.A., S.A.I.T.P., A.R.I.B.A., A.M.I.P.I., Architecture
ROUX, D. G., M.SC., PH.D., Organic Chemistry
VAN PLETZEN, R., D.SC., Zoology
VAN WYK, C. B., M.SC., PH.D., Applied Mathematics
VAN ZYL, F. D. W., PH.D., Architecture
VILJOEN, G., M.SC., D.SC., Mathematics
VILJOEN, P. E., D.SC., Physics
WESSELS, H. L., M.S., Domestic Science

Faculty of Social Science:

BOTHA, Dr. D., M.A., D.PHIL., Social Work
LOOTS, I., M.CUR., Nursing
PRINSLOO, M. J., M.CUR., Nursing
RADEMEYER, G., M.A., D.PHIL., Psychology
STRAUSS, J., M.A., D.PHIL., Business Sociology
VAN RENSBURG, W. J. J., M.A., Criminology
VILJOEN, R. A., M.A., D.PHIL., Sociology

Faculty of Education:

PRETORIUS, J. L., M.ED., D.ED., Educational Psychology
SCHOEMAN, P. G., M.A., D.ED., Education
VAN DER WALT, J. S., D.ED., Educational Psychology
VAN LOGGERENBERG, N. T., B.A., M.ED., D.ED., General Didactics
VERMAAK, D., D.ED., History of Education

Faculty of Economic and Administrative Science:

BORDER, T. G., D.COM., Business Commerce
BUYS, L. C., B.COM., Accounting
FOURIE, P. C., M.ADMIN., Public and Municipal Administration
JOUBERT, W. A., D.COM., C.A., Accountancy and Auditing
LANGENHOVEN, H. P., M.A., D.PHIL., Industrial Psychology
LOURENS, J. J., B.COM., B.ED., D.COM., Economics

Faculty of Medicine:

ANDERSON, J. D., M.B., CH.B., M.MED., F.F.R., Radiotherapy
DE VILLIERS, D. R., M.SC., M.B., CH.B., CH.M., Surgery
ESTERHUIZEN, A. C., D.SC., Physiology
HARMS, J. H. K., M.MED., Psychiatry
HEYNS, A. DU P., M.B., CH.B., D.T.M. & H., D.M., Haematology
MEYER, J. D., M.B., CH.B., M.D., Internal Medicine
MEYER, J. M., M.B., CH.B., M.MED., Thoracic Surgery
MINNAAR, P. C., D.SC., Biophysics
MORRISON, A. G. M., B.A., M.B., CH.B., CH.M., Anatomy
MÜLLER, F. O., M.B., CH.B., Pharmacology
OLINSKY, A., M.B., CH.B., F.C.P., Paediatrics
OLIVIER, J. A., M.B., CH.B., M.MED., Forensic Medicine
POTGIETER, G. M., M.B., CH.B., M.MED., PH.D., Chemical Pathology
POMPE VAN MEERDERVOORT, H. F., M.B., CH.B., M.MED., Orthopaedics

Retief, F. P., M.B., CH.B., D.PHIL., M.R.C.P., M.D., Internal Medicine
Slabber, C. F., M.B., CH.B., M.MED., M.D., Obstetrics and Gynaecology
Steenkamp, E. C., M.B., CH.B., M.MED., Diagnostic Radiology
Ungerer, M. J., B.CH.D., M.B., M.MED., Anaesthesiology
Van Rensburg, A. J., M.B., CH.B., M.SC., M.D., Microbiology (Medical)
Van Velden, D. J. J., M.B., CH.B., M.MED., Anatomic Pathology

Faculty of Agriculture:
Burger, R. du T., M.SC., PH.D., Soil Conservation
De Jager, J. M., PH.D., Agricultural Meteorology
Human, J. J., D.SC., Agronomy
Kotze, H. A., M.SC.AGRIC., D.SC.AGRIC., Agricultural Economics
Nel, J. A., M.SC.(AGRIC.), D.SC.(AGRIC.), Sheep and Wool Science
Opperman, D. P. J., D.SC.(AGRIC.)
Pauer, G. D. C., M.SC.(AGRIC.), D.SC. (AGRIC.), Plant Pathology
Smith, A., M.SC.(AGRIC.), PH.D., Animal Husbandry
Van Heerden, D. F. I., M.SC., PH.D., Biometry

Faculty of Law:
Claasen, J. Y., B.COM., LL.B., Private Law
Du Toit, D. C., IUR.DRS., Constitutional Law
Du Plessis, J. V., B.A., LL.B., Law
Morkel, D. W., B.A., LL.B., Process Law
Van der Westhuizen, Adv. H. J., LL.B., Law
Van Rhyn, J. N. R., DIP.PROC., D.R.S., B.A., LL.B., Public Law
Van Schalkwyk, J. H., IUR.DRS., Private Law
Wessels, Dr. H. A., M.A., LL.B., D.PHIL., Roman Law

Attached Institutes:

Institute of Environmental Research.
Director: Prof. D. F. Toerjen, D.SC.AGRIC.

Institute for Groundwater Studies.
Director: F. D. I. Hodgson, D.SC.

Institute of Social and Economic Research.
Director: D. J. G. Smith, D.SC.

Institute for Contemporary History.
Director: O. Geyser, M.A., D.PHIL.

UNIVERSITY OF PORT ELIZABETH

P.O.B. 1600,
PORT ELIZABETH 6000,
CAPE PROVINCE

Telephone: 5311-928.

Founded 1964.

Languages of instruction: Afrikaans and English; Academic year: February to November (two semesters).

Chancellor: A. E. Rupert, M.SC.
Vice-Chancellor and Principal: Prof. Dr. E. J. Marais, D.SC.
Registrar: J. A. Robbertse, B.SC., T.E.D.
Librarian: J. C. Cronjé, B.A., F.S.A.L.A.

Number of teachers: *c.* 260.
Number of students: *c.* 3,000.

Publications: *Prospectus* (annual), *Calendar* (annual), *Institute for Planning Research, Research Reports, UPEN* (fortnightly newspaper), *U.P.E. Publication Series, Student Diary* (annual), *U.P.E. Image* (annual), *U.P.E. Focus* (2 a year), *UPPIECAMPUS* (2 a year).

Deans:

Faculty of Arts: M. G. Scholtz, M.A., D.LITT.
Faculty of Science: A. Goosen, M.SC., PH.D., A.R.I.C.
Faculty of Education: J. J. Pienaar, D.ED.
Faculty of Economic Sciences: H. F. Redelinghuys, M.COM., D.ECON., C.A.
Faculty of Law: J. T. Delport, LL.D.
Students: C. J. Botha, M.A., M.ED., D.LITT., S.T.D.

Attached Institutes:

Music Centre.
Director: J. G. de Wet, U.P.L.M., U.T.L.M., F.T.C.L.

Institute for Planning Research.
Director: J. F. Potgieter, M.A., D.PHIL.

Phillip Frame Chair for Textile Technology.
Director: D. P. Veldsman, D.SC., F.T.I.

School of Architecture and Allied Disciplines.
Head: P. R. le Roux, B.ARCH.

Uranium Chemistry Research Unit.
Director: J. G. H. du Preez, D.SC., A.R.I.C.

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION

POTCHEFSTROOM, TRANSVAAL

Telephone: Potchefstroom 2-2112.

Founded 1869; incorporated in University of South Africa as Constituent College 1921; assumed full university status March 1951.

Principal language of instruction: Afrikaans; Academic year: February to November.

Chancellor: The Hon. J. de Klerk, LL.D.
Vice-Chancellor and Principal: Prof. T. van der Walt, TH.D.
Chairman of the Council: Rev. A. A. Venter, B.D.
Vice-Chairman of the Senate: Prof. W. P. Robbertse, M.SC., DR.SC.T.
President of Convocation: Prof. S. C. W. Duvenage, M.A., M.DIV., TH.D., D.LITT. ET PHIL., D.PHIL.
Registrar (Academic): Prof. H. C. van Rooy, M.A., B.L.S., F.S.A.L.A.
Registrar (Finance): C. J. H. Schutte, B.COM.
Director of Development: H. M. Robinson, B.A., F.S.A.L.A.

Library: *see* Libraries.

Number of lecturers: 424, including 107 professors.

Number of students: 6,621.

Publications: *Nuus oor Afrika*† (monthly), *Die Wêreld in Oënskou*† (monthly), *Die P.U.-kaner*† (monthly), *Koers*† (6 a year).

Deans:

Faculty of Arts: Prof. J. S. du Plessis, M.A., D.LITT.
Faculty of Science: Prof. P. H. Stoker, D.SC.
Faculty of Theology: Prof. P. J. Coetzee, M.A., B.D., D.PHIL.
Faculty of Education: Prof. S. J. Preller, B.SC., B.A., D.ED.
Faculty of Economic Sciences: Prof. D. P. Erasmus, D.COM.
Faculty of Law: Prof. H. N. Pretorius, B.A., LL.B.

Professors:

Faculty of Arts:
Ballot, G. M., D.PHIL., History of Art
Botha, Miss M. E., M.A., D.PHIL., Study of Culture and Inter-Disciplinary Philosophy
Botha, T., D.LITT., Speech and Drama
Breed, J., M.A., Bantu Languages
Cloete, T. T., M.A., D.LITT ET PHIL., Afrikaans Linguistics and Theory of Literature, Afrikaans and Dutch
Coertse, Mrs. E., D.PHIL., Nursing
Coetzee, H. P. A., D.MUS., Music
Coetzee, J. H., M.A., D.PHIL., Ethnology
Coetzee, W. N., M.A., M.ED., D.PHIL., Latin
De Villiers, P. J., B.A., L.R.A.M., A.R.C.M., Music
Du Plessis, J. S., M.A., D.LITT., History
Du Plessis, M. J. H., M.A., LIC. ES LETTRES, DOCT. ES L., French and Italian
Du Plooy, F. D., M.A., D.LITT., German
Duvenage, B., TH.D., D.PHIL., Inter-Disciplinary Philosophy and Philosophy
Duvenage, S. C. W., M.A., M.DIV., TH.D., D.LITT. ET PHIL., D.PHIL., Bible Studies
Eloff, D. J., M.A., D.PHIL., Social Work
Gouws, L. A., M.A., D.PHIL., Psychology
Grobler, J. H., M.A., D.LITT., Greek
Henning, J. J., M.A., D.PHIL., Development Administration
Krüger, C. J. H., M.A., D.LITT., Bantu Languages
Pienaar, G. J., M.A., D.PHIL., Communication and Journalism
Potgieter, F. J., M.A., D.PHIL., Town and Regional Planning
Prinsloo, W. J. de V., B.ED., M.A., D.LITT., English
Schutte, P. J., M.A., D.PHIL., Library and Information Science
Smit, E. J., M.A., TH.B., D.LITT., Semitic Languages
Taljaard, J. A. L., M.A., D.PHIL., Philosophy
Tönsing, L. R., M.A., D.LITT., German
Van den Bergh, G. N., M.A., D.LITT., History
Van der Merwe, N. T., M.A., DRS.PHIL., Philosophy
Van der Walt, C. P., M.A., D.PHIL., International Politics
Van der Walt, J. J. A., M.MUS., D.PHIL., Music
Van der Walt, J. P., M.A., M.ED., D.PHIL., Sociology and Criminology

Van der Walt, P. D., M.A., D.LITT., Afrikaans and Dutch
Van Dyk, T. A., B.SC., M.A., D.LITT. ET PHIL., Head of Vaal River Branch at Vanderbijlpark
Van Wyk, E. M., M.B.CH.B., Psychology
Venter, H., M.A., D.LITT., Afrikaans and Dutch
Venter, J. A., B.ED., M.A., D.LITT., English
Viljoen, A. J., M.A., D.PHIL., F.S.A.L.A., Library and Information Science

Faculty of Law:
Aucamp, P. van Z., B.A., LL.B., Commercial Law
du Plessis, S. J., B.A., LL.B., D.JUR., Private Law
Postma, S., B.A., LL.B., D.JUR., Roman Law
Pretorius, H. N., B.A., LL.B., Law of Procedure, Evidence and Forensic Medicine
Van der Vyver, J. D., B.COM., B.A., LL.D., Jurisprudence

Faculty of Science:
Ackermann, P. B., M.SC., Geology
Arnold, N., M.SC., D.ED., Chemistry
Bisschoff, A. A., D.SC., Geology
Botha, P. J., M.SC., PH.D., Botany
De Beer, J. F., D.SC., Computer Science
Dekker, J., M.SC., DR.RER.NAT., Chemistry
Geertsema, J. C., M.SC., PH.D., Statistics
Goossens, A. P. G., D.SC., Pharmaceutics
Grobler, J. J., D.SC., Mathematics and Applied Mathematics
Harmse, H. J. v. M., M.SC., PH.D., Pedology
Hattingh, J. M., D.SC., Statistics (Vaal River Branch)
Meyer, M. A. du T., D.SC., Physics
Offermeier, J., M.SC., PH.D., Pharmacology
Papendorf, M. C., M.SC., PH.D., Botany
Potgieter, H. G. J., D.SC., Industrial Chemistry
Pretorius, P. J., D.SC., Physiology
Reinecke, C. J., D.SC., Biochemistry
Robbertse, W. P., M.SC., DR.SC.T., Mathematics and Applied Mathematics
Ryke, P. A. J., D.SC., Zoology
Stoker, P. H., D.SC., Physics
Strydom, B. C., M.SC., MATH.D., Mathematics and Applied Mathematics
Taute, W. J., M.SC., F.S.A.I.E.E., Electronics
Tiedt, J., M.SC., PH.D., Chemistry
Van den Berg, J. A., D.SC., Chemistry
Van der Walt, J. J., D.SC., Physiology
Van Eeden, D., M.SC., PH.D., Microbiology and Hygiene
Van Eeden, J. A. ,D.SC., Zoology
Van Wyk, J. J. P., M.SC., PH.D., Botany
Venter, J. H., M.SC., PH.D., Statistics

Faculty of Theology:
Buys, P. W., TH.D., Apologetics, Ethics
Coetzee, J. C., TH.D., New Testament Exegesis
Coetzee, P. J., M.A., B.D., D.PHIL., Dogmatics
Helberg, J. L., M.A., TH.D., Old Testament Exegesis
Lion-Cachet, F. N., M.A., TH.D., Old Testament Exegesis
Van der Linde, G. P. L., TH.D., Church Law and History
Van der Merwe, D. C. S., M.A., TH.D., Missionary Science
Van der Walt, J. J., TH.D., Pastoral Subjects

Faculty of Education:
Barnard, S. S., B.SC., D.ED., Historical and Comparative Education
Claassen, J. T., B.A., M.ED., Teaching Practice
De Wet, J. J., B.SC., D.ED., Empirical Education
Kruger, H. B., B.A., D.ED., Guidance and Special Education
Preller, S. J., B.SC., B.A., D.ED., Didactics and Tertiary Education
Putter, W. J., D.P.ED., Physical Education
Scholtz, G. J. L., M.ED., PH.D., Physical Education
Schutte, B. C., M.SC., D.ED., Theoretical Education

Faculty of Economic Sciences:
Els, J. H., D.COM., C.A., Accountancy and Auditing
Erasmus, D. P., D.COM., Economics
Jacobs, D. J. L., B.A., D.COM., Business Economics
Schoeman, C. F., M.A., D.PHIL., Industrial and Personnel Psychology
Sorgdrager, A. J. E., M.COM., D.ECON., A.C.W.A., M.B.I.M., A.I.C.B., Cost and Management Accountancy
Swanepoel, H. J., M.COM., Cost and Management Accountancy (Vaal River Branch)
Swart, N. J., M.COM., PH.D., Business Economics
Van Zijl, A. S., M.A., D.PHIL., Industrial Sociology
Venter, W. J., M.COM., D.ECON., Economics
Viljoen, D. J., D.COM., Business Economics
Weber, H. J., D.COM., Economics (Vaal River Branch)

ATTACHED INSTITUTES:

Conservatoire of Music.
Head: Prof. J. J. A. van der Walt, M.MUS., D.PHIL.

Institute of Botanic Research.
Head: Prof. M. C. Papendorf, M.SC., PH.D.

General Bureau of Economic Research.
Head: Prof. D. P. Erasmus, D.COMM.

Institute of South African Music.
Head: Prof. H. P. A. Coetzee, D.MUS.

Institute of Zoological Research.
Head: Prof. P. A. J. Ryke, D.SC.

Institute of Petrochemical Research.
Executive Committee: Prof. J. Dekker, M.SC., DR.RER.NAT., Prof. H. G. J. Potgieter, D.SC.

Institute of Physical Research.
Head: Prof. M. A. du T. Meyer, D.SC.

Research Institute of Co-operatives.
Head: Prof. D. J. L. Jacobs, D.COM.

Institute of Administrative Automation.
Head: Prof. A. J. E. Sorgdrager, M.COMM., D.ECON.

Small Business Advisory Bureau.
Head: Prof. N. J. Swart, M.COM., PH.D.

Institute of African and Bantu Studies.
Head: C. J. Maritz, M.A., D.PHIL.

Institute of Psychological and Educational Services and Research.
Head: (vacant).

Institute of Regional Planning.
Head: Prof. F. J. Potgieter, M.A., D.PHIL.

Institute of Communication Research.
Head: P. G. Snyman, M.A.

Research Unit for Chemical Kinetics.
Head: Prof. J. A. van den Berg, D.SC.

Research Unit for Cosmic Rays.
Head: (vacant).

Institute of Linguistic and Literary Research.
Head: Prof. H. Venter, M.A., D.LITT.

Institute of Physiological Research.
Head: Prof. J. J. van der Walt, D.SC.

Institute of Sport.
Head: P. Malan, B.SC.

Institute for the Advancement of Calvinism.
Head: Dr. B. J. van der Walt, TH.B., M.A., D.PHIL.

Centre for International Politics.
Head: Prof. C. P. van der Walt, M.A., D.PHIL.

Institute of South African Politics.
Head: Prof. C. P. van der Walt.

Institute for Afrikaans Culture and Folklore.
Head: (vacant).

Institute for Pedology.
Head: Prof. H. J. v. M. Harmse, M.SC., PH.D.

Institute of Industrial Pharmacy.
Head: Dr. A. P. Lötter, D.SC.

Research Unit for the Design of Catecholaminergic Drugs: *see* Medical Research Council.

Snail Research Unit: *see* Medical Research Council.

INSTITUTIONS IN CO-OPERATION WITH THE UNIVERSITY:

Theological School of the Reformed Church in South Africa.
Rector: Prof. P. J. Coetzee, M.A., B.D., D.PHIL.

Potchefstroom College of Education.
Rector: Prof. H. O. Maré, M.ED.

UNIVERSITY OF PRETORIA

BROOKLYN, PRETORIA

Telephone: 74-6051.

Founded as Transvaal University College 1908. Granted Charter as University of Pretoria 1930.

Private control; Language of instruction: Afrikaans; Academic year: February to December (two semesters).

Chancellor: The Hon. Dr. H. Muller, LL.B., M.A., D.LITT., D.PHIL.
Principal and Vice-Chancellor: Prof. E. M. Hamman, JUR.DRS., LL.D.
Vice-Principal: Prof. A. N. Pelzer, D.PHIL.
Director of Physical Planning and Business Administration: M. Smuts, M.COM. (B. & A.).

Head, Academic Administration and Registrar: C. H. Stuart, m.admin.
Head, Financial Administration and Registrar: J. P. Nel, b.com., m.com. (b. & a.).

Library, *see* Libraries.

Number of teachers: 1,261.

Number of students: 16,192.

Publications: *Jaarboek* (every two years), *Skakelblad* (Link Up, twice-yearly), *Perdeby* (weekly students' newspaper), *Publikasies van die Universiteit van Pretoria—Nuwe reeks* (Publications of the University of Pretoria—New Series) (I) Research results, etc., periodically, (II) Titles of dissertations (annually), *Ad-Destinatum: Gedenkboek van die Universiteit van Pretoria* 1960, *Opvoedkundige Studies* (Educational Studies, 3–4 issues annually), *Openbare Fakulteitslesings* (periodically), *Huldigingsbundels* (occasionally), *Trek* (students' magazine, annually).

DEANS:

Faculty of Arts: Prof. A. P. Grove, m.a., d.litt.
Faculty of Science: Prof. H. P. van der Schijff, d.sc.
Faculty of Agricultural Sciences: Prof. D. J. J. Potgieter, ph.d.
Faculty of Law: Prof. P. Oosthuizen, ll.b.
Faculty of Theology: Prof. B. J. Engelbrecht.
Faculty of Economic and Political Sciences: Prof. C. F. Nieuwoudt, m.a., d.phil.
Faculty of Veterinary Science: Prof. C. F. B. Hofmeyr, m.med.vet. (chir.), d.v.sc.
Faculty of Education: Prof. F. van der Stoep, d.ed.
Faculty of Medicine: Prof. H. W. Snyman, m.b., b.ch., m.d.
Faculty of Dentistry: Prof. P. C. Snijman, b.d.s., r.c.s., h.o.d.
Faculty of Engineering: Prof. D. J. Schoeman, ph.d.

PROFESSORS:

Faculty of Arts:
Boshoff, M. C., m.a.(bibl.), d.litt. et phil., Library Studies
Botha, J. L., m.a., d.phil., Physical Education
Coertze, R. D., m.a., d.phil., Ethnology
Dreyer, P. S., m.a., d.phil., d.d., Philosophy
Eloff, J. F., m.a., Archaeology
Groenewald, P. S., m.a., d.litt., Bantu Languages
Grove, A. P., m.a., d.litt., Afrikaans
Hay, I. S., m.a., Speech Science and Logopaedics
Kriel, D. M., d.litt., Latin
Leue, J. A. E., d.phil., German
Labuschagne, J. M. T., Bantu Law
Lombard, J. A., m.a., ph.d., Economics
Louw, J. P., m.a., d.litt., Greek
Malan, J. P., d.phil., Music
Nel, P. G., m.a., d.phil., Afrikaans and Netherlands Cultural History
Nilant, F. G. E., m.a., ph.d., History of Art
Odendaal, L. B., m.a., d.litt., Drama
Peeters, L. F. H., m.c., ph.d., Romance Languages
Rhoodie, N. J., d.phil., Sociology
Robertze, J. H., m.a., m.d., Psychology
Sabbagha, N. J. G., m.a., English
Smit, P., m.a., d.litt et phil., Geography
Stadler, J. J., m.com., Economics
Stoker, D. J., m.sc., math.et.phys.dr., Statistics and Computer Science
Strydom, S., d.litt., Afrikaans
Swiegers, D. J., d.phil., Psychology
Titlestad, P. J. H., m.a., English
Van Jaarsveld, F. A., m.a., litt. et phil., History
Van Rooyen, I. J. J., d.phil., Social Work
Van Wyk, W. C., d.d., Semitic Languages
Venter, H. J., m.a., d.phil., Criminology
Zietsman, P. J., m.sc., Mathematics

Faculty of Science:
Brown, J. M. M., d.v.sc., Physiology
Burger, A. P., b.arch., Architecture
Eloff, F. C., m.sc., d.sc., Zoology
Geerthsen, J. M. P., d.sc., Genetics
Grobbelaar, N., m.sc., ph.d., Plant Physiology and Plant Biochemistry
Hauptfleisch, A. C., m.b.a., Quantity Surveying
Knobel, D. P., ph.d., Anatomy
Liebenberg, C. J., d.sc., Inorganic and Analytical Chemistry
Matthee, J. J., m.sc., ph.d., Entomology
Meyer, B. J., m.b., ch.b., d.sc., Physiology and Physiological Chemistry
Pretorius, V., d.phil., Physical, Organic and Theoretical Chemistry
Prinsloo, L. A., d.sc., Physics
Potgieter, D. J. J., m.sc., ph.d., Biochemistry
Sauer, N., m.sc., ph.d., Applied Mathematics
Schoeman, H. S., d.sc., Statistics
Skinner, J. D., m.sc., ph.d., Zoology
Smit, P., m.a., d.litt. et phil., Geography
Stoker, D. J., m.sc., math. et phys. dr., Statistics and Computer Science
Theron, J. J., m.b.ch.b., d.sc., Physiology
Van den Heever, R. J., m.sc., ph.d., Statistics and Computer Science
Van der Merwe, J. H., ph.d., Physics
Van der Schijff, H. P., d.sc., Botany
Viljoen, J. T. B., b.sc., Quantity Surveying
Visser, D. J. L., d.sc., f.g.s., Geology
Wiechers, A., d.sc., ph.d., Chemistry
Zietman, P. J., m.sc., Mathematics

Faculty of Agricultural Sciences:
Burger, P. J., m.sc.(agric.), d.sc., Agricultural Education and Extension
Fölscher, W. J., ph.d., Soil Technology and Plant Nutrition
Groenewald, J. A., m.sc., ph.d., Agricultural Economics
Grounow, J. O., d.sc., Plant Production
Kotze, J. M., d.sc.agric., Microbiology and Plant Pathology
Lombard, S. H., m.sc., ph.d., Dairy Husbandry
Louw, G. N., d.sc., Animal Science
Nel, P. C., d.sc., Plant Production
Potgieter, D. J. J., m.sc., ph.d., Biochemistry
Steyn, P. L., m.sc., ph.d., Microbiology and Plant Pathology

Faculty of Law:
Joubert, D. J., ll.d., Roman Dutch Law
Labuschagne, J. M. T., m.a., d.phil., ll.b., Bantu and International Private Law
Oosthuizen, P., b.a., ll.b., Procedure and Evidence
Van Jaarsveld, S. R., ll.d., Mercantile Law
Van Rooyen, J. C. W., ll.d., Criminal Law
Van Zyl, D. H., m.a., ll.d., Roman Law and Jurisprudence
Vorster, M. P., b.a., ll.b., Constitutional, Administrative and Public International Law

Faculty of Theology (Dutch Reformed Church of Africa):
De Wet, J. I., d.d., Practical Theology
Engelbrecht, B. J., b.d., th.dr., Dogma and Christian Ethics
Oberholzer, J. P., m.a., d.d., Old Testament Exegesis and Theology
Pelser, G. M. M., d.d., New Testament Exegesis and Theology
Pont, A. D., m.a., th.dr., History of Christianity
Van Zyl, F. J., d.d., Philosophy of Religion and Missions

Faculty of Economic and Political Sciences:
Churr, E. G., d.b.a., Business Economics
Cloete, J. J. N., m.admin., d.phil., Public Administration
Lombard, J. A., m.a., ph.d., Economics
Marx, F. W., m.com., d.ekon., Business Economics
Marx, S., m.b.a., d.com., Business Economics
Nieuwoudt, C. F., m.a., d.phil., Political Science and International Politics
Pistorius, C. W. I., m.com., c.a.(s.a.), Business Management
Schoeman, H. S., d.sc., Statistics
Stadler, J. J., d.com., Economics
Stoker, D. J., m.sc., math.et.phys.dr., Statistics and Computer Science
Van Jaarsveld, S. R., ll.d., Mercantile Law
Viljoen, G. v. N., m.com., m.b.a., Computer Science
Zevenbergen, A. P., m.com., m.b.a., Business Management

Faculty of Veterinary Science:
Howell, P. G., d.v.sc., Infectious Diseases
Jenkins, W. L., b.v.sc., d.phil., Physiology
Le Roux, J. M. W., dr.med.vet., Anatomy
Osterhoff, D. R., dr.(agron.), d.sc., Zootechnology
Reinecke, R. K., d.v.sc., Veterinary Parasitology and Protozoology
Steyn, D. G., d.v.sc., Surgery
Tustin, R. B., b.v.sc., Pathology
Van der Walt, K., b.v.sc., Medicine
Van Heerden, J. S., b.v.sc., Genesiology

Faculty of Education:
Botha, J. L., m.a., d.phil., Physical Education
Landman, W. A., m.a., d.ed., d.phil., Fundamental Pedagogics
Potgieter, F. J., m.a., d.ed., Historical and Comparative Pedagogics
Sonnekus, M. C. H., dr.paed., d.ed., Psycho-, Socio-, and Ortho-Pedagogics
Van der Stoep, F., d.ed., Didactic Pedagogics
Van Dyk, C. J., d.ed., Subject Didactics

Faculty of Medicine:
Bodemer, W., m.med., Psychiatry
Brown, J. M. M., d.v.sc., Physiology
De Bruyn, T. B., m.b., ch.b., Anaesthesiology

De Villiers, L. S., M.B., CH.B., B.SC., M.MED., Commercial Pathology
De Wet, I. S., M.B., CH.B., M.MED., Orthopaedics
Evans, W. B. D. I., M.B., B.CH., Obstetrics and Gynaecology
Falkson, G., M.B.CH.B., M.MED., M.D., Cancer Chemotherapy
Franz, R. C., M.MED., Surgery
Geldenhuys, F. G., M.D., F.R.C.O.G., D.V.G., F.I.C.S., Obstetrics and Gynaecology
Gräbe, P. R., M.B., CH.B., M.MED., Orthopaedics
Hamersma, H., M.B., CH.B., M.D., Oto-Rhino-Laryngology
Human, P. G., M.B.CH.B., M.MED., Internal Medicine
Knobel, D. P., M.B., CH.B., PH.D., Anatomy
Kotzé, W. J., M.CUR., G.SD., Nursing
Lessing, A. J. P., M.B., CH.B., M.MED., Anaesthesiology
Loubser, J. D., M.B., CH.B., M.MED., Forensic Medicine
Meyer, B. J., M.B., CH.B., M.D., D.SC., Physiology and Physiological Chemistry
Meyer, H., M.MED., Ophthalmology
Pretorius, P. J., M.D., Paediatrics
Prinsloo, J. G., M.MED., M.D., Paediatrics
Sandison, A. G., M.D., Radiotherapy
Schmid, E. U., M.B., CH.B., M.MED., Surgery
Simson, I. W., M.D., Pathological Anatomy
Sommers, D. K., M.B.CH.B., B.CH.D., Pharmacology
Stevens, K., M.B., CH.B., M.D., Haematology
Strating, A., M.B., CH.B., D.P.H., D.T.M. & H., B.A.(S.W.), M.COM.(B. & A.), Preventive and Promotive Medicine
Theron, J. J., M.B.CH.B., D.SC., Physiology
Van den Berg, A. D. P., M.B.CH.B., M.PRAX.MED., Family Practice
Van Niekerk, J. M., B.SC., M.B., CH.B., Radiodiagnosis
Van Rensburg, A. J., M.SC., M.D., Microbiology
Wolpowitz, A., M.B., CH.B., M.D., Radiodiagnosis
Ziady, F., M.B., M.D., M.R.C.P., Medicine

Faculty of Dentistry:

Duvenage J. G., M.CH.D., Maxillofacial and Oral Surgery
Jonck, L. M., M.CH.D., D.SC., Oral Pathology and Oral Medicine
Nel, J. C., M.CH.D., H.D.D., Endodontics and Occlusal Rehabilitation
Potgieter, P. J., B.CH.D., M.SC., Prosthetics and Dental Mechanics
Schoeman, P. J., B.SC., B.D.S., Conservative Dentistry and Oral Pedodontics
Seeliger, J. E., M.DENT., Maxillo-facial Surgery
Zietsman, S. T., M.CH.D., Orthodontics

Faculty of Engineering:

Botha, J. P., M.B.A., PH.D., C.ENG., Industrial Engineering
De Vos, D. W., B.SC.(ENG.), A.M.I.C.E., Civil Engineering
Grobler, B. J. G. W., D.SC., Agricultural Engineering
Heymann, F. G., M.SC.(ENG.), M(S.A.), I.E.E., A.M.L.E.E., Electrical Engineering
Jordaan, P. W., PR.ING., M.SC.(ING.), Civil Engineering
Leiding, F. Q. P., PR.ING., B.SC., Mining Engineering
Maré, W., M.SC., L(S.A.), Surveying and Town Planning and Regional Planning
Savage, P. F., M.SC., Civil Engineering
Schoeman, D. J., M.SC.(ENG.), PH.D., Chemical Engineering
Van Biljon, L., PR.ING., M.SC., D.SC., Microelectronics
Van Rooyen, G. T., D.SC., M.COMM. (B. & A.), Material Science and Metallurgical Engineering
Visser, J., PR.ING., B.SC.(ING.), Mechanical Engineering
Von Willich, G. P. R., SC.D., Civil Engineering

ATTACHED INSTITUTES:

Bacterial Genetics Research Unit.

Bureau for Economic Policy and Analysis.

The Bushveld Complex Research Unit.

Child Guidance Institute.

Financial Analysis Bureau of the University's Institute of Business Administration: P.O.B. 486, Pretoria.

Hans Snyckers Institute.

Mammal Research Institute

Margaretha Mes Institute of Plant Physiology.

Neuro- and Electro-Physiology Research Unit.

Photobiology Research Unit.

Research Institute for Microstructures: work with thin films, electro-optics and other structures.

Research Unit for Chromotography and Relevant Separation Techniques.

Voice, Speech and Hearing Clinic.

RAND AFRIKAANS UNIVERSITY

P.O.B. 524, JOHANNESBURG
Telephone: 726-500.

Founded in 1966; the first students were enrolled in 1968.

State control; Language of instruction: Afrikaans; Academic year: January to November.

Chancellor: The Hon. N. Diederichs, M.A., D.LITT. ET PHIL., D.COM.

Vice-Chancellor and Principal: Prof. G. van N. Viljoen, M.A., LL.B., D.LITT. ET PHIL.

Vice-Principals: (Business Administration) R. S. de la Bat, B.SC., B.COMM., M.B.A.; (Academic) Prof. J. P. de Lange, B.A., M.ED.

Registrars: (Financial) H. J. Kruger, B.ADMIN., B.COMM.; (Administration) W. J. du Plessis, B.A.

Chief Librarian: H. O. K. Zastrau, B.SC., H.D.L.

Library of 250,000 vols.
Number of teachers: 220.
Number of students: 3,000.

DEANS:

Faculty of Arts: E. B. van Wyk.
Faculty of Economics: J. Poolman.
Faculty of Education: J. G. Garbers.
Faculty of Law: M. F. B. Reinecke.
Faculty of Science: J. Heidema.

PROFESSORS:

Arndt, R. R., Chemistry
Botha, T. R., Child and Adult Guidance
De Coning, C., Business Economics
De Kock, E. L., Classical Languages
De Koning, T. L., Communication
De Lange, J. P., Education
De Swardt, G. H., Botany
Du Plessis, P. G. W., Philosophy
Du Plessis, P. J., Biblical Studies
Engel, E. P., History of Art
Engelbrecht, A. H. P., Biology
Engelbrecht, G. K., Social Work
Faul, M. A., Accountancy
Faure, P. K., Chemistry
Ferreira, J. A., Bantu Languages
Garbers, J. G., Education
Gouws, S. J. L., Education
Hauptfleisch, G. J. Mathematics
Heidema, J., Mathematics
Henderson, W. J., Classical Languages
Heyns, J., Zoology
Holzapfel, C. W., Chemistry
Köhnke, K. F. H., German
Leighton, J. M., English
Lemmer, H. H., Statistics
Louw, W. J., Electrical Engineering
Lutsch, A. G. K., Electronics
Malan, F. R., Law
Maree, P. J., Education
Mönnig, H. O., Ethnology
Nel, F. J., Accountancy
Nieuwenhuizen, P. J., Economics
Odendal, F. F., Afrikaans and Dutch Philology
Oosthuizen, A. J. G., Urban Studies
Pauw, J. R., Education
Pelser, H. S., Semitic Languages
Piek, B. J., Sociology
Poolman, J., Business Economics
Prinsloo, M. W., Development Administration
Rautenbach, I. M., Public Law
Reinecke, M. F. B., Commercial Law
Roode, J. D., Computer Science
Schabort, J. C., Biochemistry
Scheepers, J. N., Geography
Schepers, J. M., Psychology
Schoonbee, H. J., Zoology
Stals, E. L. P., History
Steyn, Anna F., Sociology
Swart, P. L., Electrical Engineering
Van Biljon, W. J., Geology
Van der Merwe, S. W. J., Law
Van der Walt, A. P. J., Computer Science
Van der Walt, J. C., Law
Van der Walt, T., Mathematics
Van Huyssteen, M. C., Nursing
Van Rensburg, F. I. J., Afrikaans and Dutch Literature
Van Wyk, E. B., Linguistics
Van Wyk, J. D., Electronics
Van Zyl, P., Education
Van Zyl, P. J., Education
Venter, M. J., Statistics
Wedepohl, P. T., Physics
Welgemod, P. J., Transport Economics
Wiid, A. J. B., Statistics
Wiid, D. H., Theoretical Physics
Zastrau, H. O. K., Library Science

ATTACHED INSTITUTES:

Institute for Urban Studies: Dir. Prof. A. J. G. Oosthuizen.

Institute for Development Studies: Dir. Prof. B. J. Piek.

Institute for Child and Adult Guidance: Chair. Prof. T. R. Botha.

Bureau for Higher Education: Head Prof. J. R. Pauw.

Institute for Energy Studies: Chair. Prof. W. C. J. van Rensburg.

RHODES UNIVERSITY

(Formerly Rhodes University College)
P.O.B. 94, GRAHAMSTOWN
Telephone: Grahamstown 2023.
Telegraphic Address: Rhodescol
Founded 1904.

Language of instruction: English; Academic year: March to November (four terms).

Chancellor: I. Mackenzie, M.A., LL.D., C.A., D.S.O.

Chairman of the Council: L. Dubb, B.SC., LL.B.

Principal and Vice-Chancellor: D. S. Henderson, M.A., PH.D., F.C.S.S.A.

Vice-Principal and Pro-Vice-Chancellor: J. W. Brommert, B.SC.

Registrar: W. J. Askew, B.COM.

Librarian: G. D. Quinn, M.A.

Library, *see* Libraries.

Number of teachers: 223, including 48 professors.

Number of students: 2,718.

Deans:

Faculty of Arts: H. J. Schutte, M.SC., DR.MATH.

Faculty of Science: R. N. Braae, M.SC.(ENG.), M.S.A.I.E.E., F.I.E.E.

Faculty of Education: A. Noble, M.ED.

Faculty of Commerce: P. van der Watt, M.SC., PH.D.

Faculty of Divinity: C. W. Cook, M.A., TH.D.

Faculty of Law: R. C. Beuthin, B.A., LL.B.

Faculty of Social Science: E. Higgins, M.A., PH.D.

Professors:

Allanson, B. R., M.SC., PH.D., F.R.S.S.AF., Zoology and Entomology
Baart, E. E., PH.D., F.R.A.S., Physics
Beard, T. V. R., M.A., Political Studies
Beuthin, R. C., B.A., LL.B., Law
Black, J. K., C.A., Accounting
Braae, R., M.SC.(ENG.), M.S.A.I.E.E., F.I.E.E., Applied Mathematics
Bradshaw, R., A.R.C.A., A.R.E., Fine Arts
Branford, W. R. G., M.A., PH.D., Linguistics and English Language
Bunting, I. A., M.A., PH.D., Philosophy
Butler, F. G., M.A., M.A. (OXON.), D.LITT., English
Cattaneo, J. L., M.A., B.ÈS.L., French
Cook, C. W., M.A., TH.D., Ecclesiastical History
Daniel J. B. McI., M.A., PH.D., Geography
Davenport, T. R. H., M.A , PH.D., History
Eales, H. V., M.SC., PH.D., Geology
Fivaz, D., M.A., PH.D., African Languages
Francisco-La Grange, Mrs. F. H., M.A., D.PHIL., Social Work
Gain, D. B., M.A., PH.D., Classics
Giffard, C. A. J., M.A., PH.D., Journalism
Glasser, L., PH.D. Physical Chemistry
Gledhill, J. A., M.SC., PH.D., Physics
Higgins, E., M.A., PH.D., Sociology
Holland, J. A. B., PH.D., Divinity
Kerr, A. J., LL.M., Law
Kruger, T. M. D., M.A., D.LITT. ET PHIL., Psychology
Lanham, L. W., M.A., PH.D., Linguistics and English Language
Locke, E. E., B.SC., Physical Education
Mayr, R., D.PHIL., L.R.S.M., Music
Noble, A., M.ED., Education
Nunn, J. R., M.SC., PH.D., Organic Chemistry
Parolis, H., PH.D., Pharmaceutical Sciences
Potgieter, B., D.SC., D.T.D., Pharmaceutical Sciences
Ramstad, E., CAND.PHARM., DR.PHARM., Pharmaceutical Sciences
Sargeant, R., B.A., Speech and Drama
Schutte, H. J., M.SC., DR.MATH., Mathematics
Seagrief, S. C., M.SC., PH.D., Botany
Smith, H. H., M.COM., PH.D., Commerce
Smuts, J. M., M.A., PH.D., Afrikaans and Dutch
Suggit, J. N., M.A., New Testament Studies
Tunmer, R., B.ED., B.A., Education
Van der Watt, P., M.SC., PH.D., Statistics
Welz, D. W., M.A., PH.D., German
Whisson, M. G., PH.D., Anthropology
Williams, M. H., PH.D., Computer Science
Woods, D. R., D.PHIL., Microbiology

Attached Institutes:

Institute for the Study of English in Africa (I.S.E.A.): f. 1964; Dir. Prof. A. R. W. de Villiers.

Institute of Social and Economic Research (I.S.E.R.): f. 1954; Dir. Prof. J. Opland.

Rhodes Institute for Freshwater Studies: f. 1967; Dir. Prof. B. R. Allanson.

J. L. B. Smith Institute of Ichthyology: f. 1968; Dir. Mrs. M. M. Smith.

Leather Industries Research Institute: f. 1941; Dir. Prof. D. R. Cooper.

UNIVERSITY OF SOUTH AFRICA

P.O.B. 392, PRETORIA
Telephone: 440-2404.
Founded 1873, Royal Charter 1877.

Since 1946 the University has been a correspondence and examining institution, accepting only external students; multi-racial, bilingual Afrikaans and English.

Academic year: February to November (four terms).

Chancellor: The Hon. Chief Justice of Bophuthatswana, V. G. Hiemstra, B.A., LL.B.

Vice-Chancellor and Principal: Prof. T. van Wijk, M.A.

Chairman of the Council: Dr. A. J. Koen, B.A., B.ED

Vice-Principals: Prof. F. E. Rädel, D.COM. (Planning), Prof. J. H. van der Merwe, M.SC., PH.D. (Tuition).

Registrars: A. P. Schutte, B.COM. (Finance), M. H. Stockhoff, B.A. (Administration).

Librarian: J. Willemse, M.A., T.H.E.D., F.S.A.L.A.

Number of teachers: *c.* 1,700.

Number of students: *c.* 47,000.

Publications: *Unisa Bulletin*†, *Unisa News*†, and departmental and technical journals.

Deans:

Faculty of Arts: Prof. A. S. Roux, M.A., D.PHIL.

Faculty of Commerce and Administration: Prof. G. Marais, M.COM., PH.D.

Faculty of Education: Prof. G. H. A. Steyn, D.ED.

Faculty of Law: Prof. A. J. C. Copeling, B.A., LL.B.

Faculty of Science: Prof. C. F. Crouse, M.SC., PH.D.

Faculty of Theology: Prof. D. J. Bosch, TH.D.

Professors:

Barkhuizen, B. P., D.EP., Empirical Education
Barnard, C. J., M.A., D.LITT. ET PHIL., History
Beeton, D. R., M.A., D.LITT.ET.PHIL., English
Booysen, H., LL.D., Law
Bornman, C. H., D.SC., Computer Science
Bosch, D. J., TH.D., Theology
Boucher, M., M.A., D.LITT. ET PHIL., History
Browne, M. W., M.SC., PH.D., Mathematics
Cilliers, H. S., LL.D., C.A., Accountancy
Cilliers, J. A., M.COM., C.A., Accountancy
Cloete, M. G. T., M.A., D.PHIL., Criminology
Coetzee, N., D.SC., Computer Science and Information Systems
Copeling, A. J. C., M.SC., PH.D., Mercantile Law
Crouse, C. F., M.SC., PH.D., Mathematical Statistics
Dannenbring, R. K. W. H., LL.B., DR.JUR., Roman and Comparative Law
De Bruyn, M., M.A., Social Work
De Klerk, G. J., M.A., D.LITT. ET PHIL., Afrikaans and Dutch
De Klerk, W. J., M.A., D.LITT., Afrikaans and Dutch
De Villiers, S. W. L., B.A., LL.B., Mercantile Law
Döckel, J. A., PH.D., Economics
Dreyer, H. J., M.A., B.D., D.LITT. ET PHIL., Semitics
du Toit, L. M., M.COM., C.A., Auditing
Els, W. C., M.A., M.ED., D.LITT. ET PHIL., Geography
Eybers, I. H., M.A., TH.D., PH.D., Theology
Fieldeldey, H., M.SC.(PHYSICS), M.SC. (MATHS), D.SC., Physics
Fouche, B., M.A., D.LITT. ET PHIL., Library Science
Fourie, H. P., M.A., Communication
Fourie, J. L., B.COM., Economics
Gerdes, L. C., M.A., Psychology
Glück, J. J., M.A., D.LITT., Semitics
Grässer, H. S. P., M.SC., PH.D., Mathematics and Applied Mathematics
Grobbelaar, J. W., M.SC., PH.D., Statistics and Operations Research
Haffter, P., D.PHIL., French and Italian
Herbst, W., D.COM., Business Economics
Heyns, A. M., M.SC., PH.D., Chemistry
Hosten, W. J., B.A., LL.B., Roman Law and Comparative Law
Howell, U. M. M., B.COM., C.A., Auditing
Hugo, L. H., M.A., D.LITT. ET PHIL., English
Jones, J., M.A., D.PHIL., Geography
Jooste, P. E., M.A., D.PHIL., Geography
Joubert, W. A., M.A., LL.D., Private Law
Kachelhoffer, G. C., B.A., B.COM., LL.D., Mercantile Law
Kilian, C. J. G., D.ED., Fundamental Education
Kleynhans, W. A., M.A., D.PHIL., Political Science

König, A. M.A., D.D., Divinity
Kotze, D. A., D.PHIL., Development Administration
Kriek, D. J., M.A., D.PHIL., Political Science
Lombard, J. A., D.D., Theology
Lotz, J. G., B.A., LL.B., Private Law
Lourens, J. A. J., M.SC., D.PHIL., Physics
Louw, J. A., D.LITT., Bantu Languages
Lubbe, W. J. C., M.A., B.D., D.LITT., D.PHIL.
Lucas, G. H. G., D.COM., Business Economics
Macnamara, M. R. H., M.A., D.LITT., D.PHIL., Philosophy
Malan, S. I., M.A., D.LITT., Library Science
Maritz, N. G., M.SC., PH.D., Business Leadership
Mauer, K. F., D.LITT., D.PHIL., Psychology
Maxwell-Mahon, W. D., M.A., D.LITT., D.PHIL.
McGillivray, G., PH.D., Chemistry
Meyer, R. S., M.A., D.LITT. ET PHIL., Philosophy
Meyer, W. F., D.PHIL., Psychology
Middleton, A. J., B.A., LL.B., Criminal and Procedural Law
Möller, N. J., M.A., D.LITT., D.PHIL., Psychology
Muller, C. F. J., M.A., D.PHIL., History
Murray, C. H. de C., M.A., D.ED., Ortho-Pedagogics
Myburgh, A. C., D.PHIL., Anthropology and Bantu and Native Law
Naude, C. P. T., M.A., D.LITT. ET PHIL., Classical Languages
Naude, S. J., LL.D., Mercantile Law
Neethling, J., B.A., LL.B., Private Law
Pauw, B. A., M.A., B.D., PH.D., Anthropology and Native Law
Pelser, G. P. T., M.SC., M.B.A., Business Leadership
Pereira, E., M.A., D.LITT. ET PHIL., English
Pienaar, W. D., M.A., PH.D., Business Leadership
Plug, C., M.A., D.LITT., D.PHIL., Psychology
Ponelis, F. A., M.A., D.LITT. ET PHIL., Linguistics
Potgieter, W. F., B.SC., M.B.A., B.COM., Business Economics
Prekel, H. L., D.SC., M.B.L., Business Leadership
Pretorius, S. J., PH.D., Afrikaans and Dutch
Raubenheimer, I. v. W., M.COMM., D.PHIL., Industrial Psychology
Richings, F. G., LL.M., Criminal and Procedural Law
Rip, C. M., M.A., D.PHIL., Sociology
Roberts, J. M., M.A., TH.D., Theology
Roux, A. S., M.A., D.PHIL., Psychology
Schmidt, C. W. H., LL.D., Law
Schneider, B. A. T., M.A., D.LITT., German
Schultz, D. M., M.SC., PH.D., Statistics and Operations Research
Schutte, C. J. H., DR.MATH.ET.PHYS., Chemistry
Searle, C., M.A., D.PHIL., Nursing
Skawran, K., M.A., History of Art and Fine Arts
Smith, C. H., B.A., LL.B., Mercantile Law
Snyman, C. R., B.A., LL.D., Criminal and Procedural Law
Steyn, G. H. A., D.ED., Education, Didactics and Comparative Education
Steyn, J. L., M.A., D.LITT., Afrikaans and Dutch
Steyn, W. J. A., M.SC., PH.D., Chemistry
Stone, B. A., D.ED., Education, Didactics and Comparative Education
Stoop, J. A. A. A., B.D., THEOL.D., Church History
Strauss, S. A., LL.D., Public Law
Strydom, P. D. F., D.COM., D.ECON., Economics
Theron, J. S., M.A., D.PHIL., Sociology
Troost, A. P., M.A., D.LITT. ET PHIL., B.ED., Industrial Psychology
Van As, B. S., M.A., Development Administration
Van den Bogaerde, F., D.COM., Economics
Van der Linde, B. S., M.MUS., D.PHIL., Music
Van der Mark, M.SC., D.PHIL., Mathematics and Applied Mathematics
Van der Walt, P. J., M.A., D.PHIL., Criminology
Van Heerden, T. J., M.A., D.LITT. ET PHIL., Criminology
Van Niekerk, A. F., M.COM., LL.B., Mercantile Law
Van Reenen, M. J., M.COM., Business Economics
Van Rensburg, A. D. J., B.COM., LL.D., Private Law
Van Rensburg, B. P. J., D.COM., Economics
Van Rooy, C. A., M.A., D.LITT., Classical Languages
Van Schoor, M. B., D.PHIL., Communication
Van Veijeren, C. F., B.SC., D.B.A., Business Leadership
Van Vuuren, J. C. G. J., M.A., D.ED., Fundamental Education
Van Warmelo, P., B.A., LL.B., Private Law
Van Zyl, M. C., D.PHIL., History
Venter, E. H., D.ED., Empirical Education
Venter, J. J., D.PHIL., I.T.P., Business Leadership
Vlok, A., M.A., D.PHIL., Industrial Psychology
Vrey, J. D., M.ED., D.ED., Empirical Education
Weyers, J. L., M.COM., M.A., Business Economics
Wiechers, G., M.SC., DRS., D.SC., M.C.S.S.A., Computer Science
Wiechers, M., LL.D., Constitutional and International Law
Wiehahn, G., M.A., D.PHIL., Psychology
Wijnholds, H. J. A. de B., D.COM., Business Economics
Wille, R. J., D.MATH. ET PHYS., Mathematics
Zaaiman, R. B., B.A., Library Science
Zievogel, D., M.A., D.LITT.

Attached Institutes:

Institute for Behavioural Sciences: Dir. Prof. R. D. Griesel, M.A., D.PHIL.

Institute for Computer Systems: Dir. Prof. N. Coetzee, D.SC.

Institute for Criminology: Dir. Prof. P. J. van der Walt, M.A., D.PHIL. (acting).

Institute for Educational Technology: Dir. R. van Wyk de Vries, T.L.E.D.

Institute of Foreign and Comparative Law: Dir. Prof. P. E. J. Brooks, LL.M.

Institute for Labour Relations: Dir. Prof. A. J. C. Copeling, B.A., LL.B. (acting).

Bureau of Market Research: Dir. Prof. P. A. Nel, D.COM.

Centre for Operations Research and Statistics: Prof. F. E. Steffens, D.SC.

Centre for Tax Law: Head Prof. A. F. van Niekerk, M.COM., LL.B. (acting).

Institute for Theological Research: Dir. Prof. W. S. Vorster, M.A., D.D.

Centre for Transport Economic Research: Head Prof. W. F. Potgieter, D.B.A.

Bureau for University Research: Dir. Prof. H. T. Gous, M.ED., D.PHIL.

UNIVERSITY OF STELLENBOSCH

STELLENBOSCH,
CAPE PROVINCE

Telephone: 2222.
Telegraphic Address: University.
Incorporated 1918.

Language of instruction: Afrikaans.
Academic year: February to December (four terms).

Chancellor: The Rt. Hon. B. J. Vorster, LL.B.
Vice-Chancellor: Rev. J. S. Gericke, B.A.
Principal: Prof. J. N. de Villiers, M.B., CH.B., F.R.C.O.G.
Vice-Principal: Prof. M. J. de Vries, M.SC., DR.RER.NAT.
Registrar (Academic): R. P. Conradie, M.A., M.ED.
Registrar (Financial): T. G. D. van Schalkwyk, B.COMM.
Librarian: F. du Plessis, B.A., F.S.A.L.A.

Number of teachers: 708.
Number of students: 10,623.

Publications†: *Annals of the University, Calendar, Matieland, Maatskaplike Werk* (Social Work, quarterly), *Opinion Survey Report* (Bureau of Economic Research, quarterly), *Survey of Contemporary Economic Conditions and Prospects* (annually).

Deans:

Faculty of Arts and Philosophy: Prof. A. Nel, M.A., D.PHIL.
Faculty of Science: Prof. J. A. de Bruyn, M.SC., PH.D.
Faculty of Education: Prof. J. F. A. Swartz, M.A., D.PHIL.
Faculty of Agriculture: Prof. H. A. Louw, M.SC.AGRIC., PH.D.
Faculty of Law: Prof. A. H. van Wyk, B.A., LL.B.
Faculty of Theology: Prof. P. A. Verhoef, M.A., TH.DR.
Faculty of Commerce: Prof. D. E. W. Schumann, M.COMM., PH.D.
Faculty of Engineering: Prof. J. W. R. de Villiers, B.SC.ENG., M.SC., PH.D.
Faculty of Medicine: Prof. A. J. Brink, M.B., B.CH., M.D., F.R.C.P.
Faculty of Forestry: Prof. R. C. Bigalke, DR.PHIL. NAT.
Faculty of Military Science: Prof. H. F. Nel, M.A., B.ED.
Faculty of Dentistry: Prof. F. X. Prins, M.D.S., D.P.D., L.D.S.R.C.S., F.D.S.

Professors:

Faculty of Arts and Philosophy:
Barnard, W. S., M.A., D.PHIL., Geography
Behrens, R. H., B.A., B.MUS., Music
Booyens, B., M.A., D.PHIL., Afrikaans Culture and Folklore Studies

Botha, A. G., M.A., M.ED., D.PHIL., Psychology
Botha, R. P., M.A., PH.D., Linguistics
Cillie, B.SC., Journalism
Cilliers, S. P., M.A., D.PHIL., Sociology
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Harvey, C. J. D., M.A., English
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Verhoef, P. A., M.A. TH.D., Old Testament

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Raubenheimer, I. van W., M.COMM., PH.D., Industrial Psychology
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Scheurkogel, A. E., D.COM., Commerce and Transport Economics
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Schumann, D. E. W., M.COMM., PH.D., Mathematical Statistics
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Donald, D. G. M., D.SC., Silviculture
Hartwig, G. L. F., DR.OEC.PUBL., Wood Technology
Van Laar, A., L.IR., D.SC., Forestry

Faculty of Military Science:
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Nel, H. F., B.A., B.ED., History

Faculty of Dentistry:
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Grotepass, F. W., M.CH.D., Facial and Oral Surgery
Naude, D. A., CH.D., Convalescent Dentistry
Prins, F. X., M.SC., B.CH.D., H.D.D., R.F.P.S., Restorative Dentistry
Steyn, C. L., M.CH.D., Orthodontics
Thomas, C. J. P., H.D.D., Dental Prosthetics
Van Rensburg, B. G. J., H.D.D., Oral Biology
Van Wyk, C. W., B.CH.D., PH.D. (ODONT.), F.D.S.R.C.S., Oral Pathology

There are attached institutes for Agricultural Research, Cartographical Analysis, Economic Research, Electronics, Entrepreneurship and Management, Language Teaching, Mathematics and Science Education, Planning Research, Polymer Science, Structural Engineering, Transport Economics; also the Nuclear Institute of the Southern Universities (with the University of Cape Town).

UNIVERSITY OF THE WESTERN CAPE

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Telephone: 97-6161.

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State control; Languages of instruction Afrikaans and English; Academic year: February to December (four terms).

Chancellor: Prof. E. Theron, M.A., D.PHIL.
Vice-Chancellor and Rector: Prof. R. E. van der Ross, M.A., D.ED., PH.D.
Registrar (Academic): Prof. H. J. Pienaar, M.SC.
Registrar (Finance): J. H. C. Stassen, B.COMM.
Librarian: A. P. S. de Kock, B.A. HONS. (LIB.).

Number of teachers: 190.

Number of students: 3,321.

Publications: *Inaugural Addresses* etc.

Deans:

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Faculty of Dentistry: Prof. H. S. Breytenbach, M.CH.D., PH.D.
Faculty of Education: Prof. P. P. Kirstein, M.ED.
Faculty of Science: Prof. T. J. McCarthy, M.SC., PH.D., D.B.A.(G.B.), PH.D., F.P.S.
Faculty of Law: Prof. M. A. Boehmke, B.A., LL.B.
Faculty of Theology: Prof. J. J. F. du Rand, M.A., TH.D., D.TH.
Faculty of Economic and Management Sciences: Prof. J. P. Hamman, B.COMM., C.A.(S.A.).

Professors:

Faculty of Arts and Philosophy:
Broekmann, N. C., Psychology
Du Plessis, S. I. M., Philosophy
Du Toit, J. B., Sociology
Duvenhage, G. D. J., History
Le Roux, I. A., Human Ecology
Plüddemann, U. R. R., German
Scholtz, P. L., History
Smith, P. J., Semitic Languages
Snijman, P. N. J., Latin
Snyman, S. A., Social Work
Stopforth, L. M. D., English
Van der Walt, M. J., Linguistics
Van Zyl, J. A., Geography
Venter, A. M., Nursing

Faculty of Science:
Coetzee, C. J., Chemistry
Delpierre, G. R., Chemistry
Du Plessis, N. M., Applied Mathematics
Esterhuizen, B., Pharmaceutical Chemistry
McCarthy, T. J., Pharmaceutics
Pienaar, K. J., Botany
Sadie, F. G. du B., Chemistry
Skinner, J. H., Zoology
Van Schalkwyk, T. G. D., Physics
Vermeulen, J., Mathematics

Faculty of Dentistry:
Breytenbach, H. S., Oral Surgery and Roentgenology
Johnson, P. G. W., Dental Prosthetics
Le Roux, L. C., Medical Microbiology
Louw, N. P., Conservative Dentistry
Middlecote, B. D., Pathological Anatomy and Oral Pathology
Owen, N. C., Physiological Sciences
Reddy, J., Dental Science
Van der Westhuizen, C. M., Anatomy and Oral Biology

Faculty of Education:
Cupido, A. J. J., Fundamental Pedagogy
De Villiers, D. I., Empirical Pedagogy
Kirstein, P. P., Historical Pedagogy
Pistorius, P., Sociopedagogy
Roux, C. J., Didactics and Administration

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Muller, A. D., Industrial Psychology
Van der Meulen, J., Business Economics

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Karabus, A., Comparative Law and International Law
Van Huyssteen, L. F., Public Law
Visagie, G. G., Mercantile Law

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Els, P. J. J. S., Old Testament
Holzapfel, E. H., Practical Theology
Kriel, C. J., Ecclesiastical History

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Institute for Child Guidance: Dir. Prof. W. L. Steenkamp, M.A., M.ED.

Institute for Historical Research: Dir. Prof. J. L. Hattingh, PH.D.

UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

JAN SMUTS AVE.,
JOHANNESBURG
Telephone: 39-4011.

Founded 1922.

State subsidized, but functions under its own charter; Language of instruction: English; Academic year: February to November.

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Director of Performing Arts Centre: D. Horner, B.A., F.T.C.L., L.R.A.M.

Library: *see* Libraries.

Number of teachers: 761 full-time, 154 part-time.

Number of students: 11,749.

Publications: *Calendar* (annual), *Annual Report*†, *Information for Prospective Undergraduates*†, *African Studies* (2 a year), *Gazette* (2 a year), *The Reporter*† (every 2 weeks), *Palaeontologia Africana*† (approx. annually), *English Studies in Africa* (2 a year). Over 200 further Witwatersrand University Press publications are available on exchange by application to the Exchange Section of the University Library.

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GUEDES, A. D. M., B.ARCH., M.I.S.A.A., Architecture

OLIVIER, T. J., M.ARCH., M.I.A., M.S.A.I.B., Building

PATRICIOS, N. N., B.ARCH., PH.D., F.R.T.P.I., M.S.A.I.T.R.P., Town and Regional Planning

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BUNT, E. A., M.SC.ENG., PH.D., D.SC.(ENG.), PR.ENG., C.ENG., F.I.MECH.E., F.R.AE.S., F.S.A.I.MECH.E., Fluid Mechanics

CORMACK, W., D.SC.(ENG.), PR.ENG., F.I.E.E., Electrical Engineering

GLASSER, D., PH.D., PR.ENG., D.I.C., F.S.A.I. CHEM.E., Chemical Engineering

HANRAHAN, H. E., PH.D., PR.ENG., A.M.I.E.E., M.S.A.I.E.E., Communications Engineering

KEMP, A. R., M.SC.(ENG.), PH.D., PR.ENG., M.S.A.I.C.E., Structural Engineering

KING, R. P., M.SC.(ENG.), PH.D., PR.ENG., M.I.C.E., A.M.S.A.I.C.E., F.S.A.I.M.M., Metallurgy

PLEWMAN, R. P., B.SC.(ENG.), M.A., PR.ENG., A.M.A.M.M., F.S.A.I.M.M., Mining Engineering

RALLIS, C. J., PH.D., PR.ENG., C.ENG., F.I.MECH.E., F.E.A.S.A., Applied Mechanics

ROBINSON, F. R. A., PH.D., PR.ENG., F.I.M., F.S.A.I., M.S.A.I.M.M., M.S.A.I.W., Corrosion Science and Engineering

SKEWS, B. W., M.SC.ENG., PH.D., PR.ENG., C.ENG., M.R.AE.S., F.AE.S.S.A., M.S.A.I.MECH.E., M.A.I.A.A., Aeronautical Engineering

SMOLENIEC, S., PH.D., D.I.C., PR.ENG., C.ENG., F.I.MECH.E., F R.AE.S., F.S.A.I.MECH.E., Mechanical Engineering (Thermodynamics).

STEPHENSON, D., M.SC.(ENG.), PH.D., PR.ENG., C.ENG., M.S.A.I.C.E., M.I.C.E., M.A.S.C.E., Hydraulic Engineering

VOLCKMAN, O. B., PH.D., PR.ENG., C.ENG., A.R.C.S., F.I.CHEM.E., F.S.A.I. CHEM.E., Chemical Engineering

Faculty of Law:

BOBERG, P. Q. R., B.A., LL.M., Law

DUGARD, C. J. R., B.A., LL.B., Law

KAHN, E., B.COM., LL.D., Law

ZEFFERTT, D. T., B.A., LL.B., Law

Faculty of Medicine:

ABRAHAMS, C., M.B.B.CH., M.MED.PATH., F.F.PATH.(S.A.), F.R.C.PATH., Experimental Ophthalmology

ALLAN, J. C., M.B.B.CH., C.H.M., M.D., F.R.C.S., Functional and Applied Anatomy

BARLOW, J. B., M.D., F.R.C.P., Cardiology

BOTHWELL, T. H., M.D., D.SC., F.R.C.P., F.R.S.S.AF., Medicine

CHAPPELL, J. S., M.B.B.CH., F.C.S.(S.A.), Paediatric Surgery

CHARLTON, R. W., M.D., F.R.C.P., Experimental and Clinical Pharmacology

DE MOOR, N. G., M.B.B.CH., D.M.R., Radiation Therapy

FELDMAN, M. B., M.B.B.CH., D.P.M., R.C.P. AND S., F.R.C.P., F.R.C.PSYCH., Psychiatry and Mental Hygiene

FUNSTEN, M. R., M.B.B.CH., F.R.C.R., D.M.R.D., Diagnostic Radiology

HANSEN, J. D. L., M.D., F.R.C.P., D.C.H., Paediatrics

JENKINS, T., M.B.B.S., M.D., M.R.C.S., L.R.C.P., D.R.C.O.G., F.R.S.S.AF., Human Genetics

KATZ, J., M.B.B.CH., M.D., F.C.P.(PAED.), Haematological Pathology

KEW, M. C., M.D., PH.D., F.C.P.(S.A.), M.R.C.P., Medicine

KOORNHOF, H. J., M.B., CH.B., D.C.P., F.R.C.PATH., Microbiological Pathology

Lawson, H. H., CH.M., F.R.C.S., Surgery
Levin, J., M.B.B.CH., D.M.R.T., Nuclear Medicine
Lipschitz, R., M.B.B.CH., PH.D., F.R.C.S., Neurosurgery
Luntz, M. H., M.B., CH.B., M.D., D.O., D.O.M.S., F.R.C.S., Ophthalmology
Metz, J., M.D., F.R.C.PATH., F.R.S.S.AF., Clinical Pathology
Mitchell, D., M.SC., PH.D., Physiology
Moyes, D. G., M.R.C.S., L.R.C.P., M.B.CH.B., F.F.A.R.C.S., Anaesthesia
Myburgh, J. A., CH.M., F.R.C.S., Surgery
Proctor, N. S. F., M.B., B.CH., F.R.C. PATH., Neuropathology
Rabson, A. R., M.B.B.CH., D.C.P., R.C.P., R.C.S., Immunological Pharmacology
Rippey, J. J., M.B.B.S., D.P.H., D.PATH., R.C.P., R.C.S., M.R.C.P., M.R.C.PATH., Anatomical Pathology
Rosendorff, C., M.B., B.CH., PH.D., M.R.C.P., Physiology
Rubin, A., M.B., B.CH., M.R.C.O.G., F.C.O.G.(S.A.), Obstetrics and Gynaecology
Schamroth, L., M.D., D.SC., F.R.C.P., F.A.C.C., F.R.S.S.AF., Medicine
Seftel, H. C., M.B., B.CH., DIP.MED., African Diseases
Shanley, B. C., M.D., M.SC., M.R.C.PATH., Chemical Pathology
Solomon, A., M.B., B.CH., D.M.R.(D.), M.MED.RAD.(D.), Diagnostic Radiology
Solomon, L., M.B., CH.B., M.D., F.R.C.S., Orthopaedic Surgery
Stein, H., M.B., B.CH., D.C.H., R.C.P. AND S., F.R.C.P., Paediatrics
Taljaard, M.B.CH.B., M.D., Forensic Medicine
Tobias, P. V., PH.D., D.SC., F.R.S.(S.A.), F.L.S., F.R.A.I., Anatomy
Van Blerk, P. J. P., B.SC.(MED.), M.B., B.CH., Urology
Van Dongen, L. G. R., M.SC., M.D., F.R.C.O.G., F.I.C.S., Obstetrics and Gynaecology
Van Hasselt, C. H., M.B., B.CH., D.A., R.C.P.S., Anaesthesia
Wagstaff, L., M.B., B.CH., D.C.H., R.C.P., R.C.S., D.OBST., R.C.O.G., Community Paediatrics
Williamson, S. B., M.CUR., D.N., D.A.(S.A.N.C.), Nursing Education
Zwi, S., M.B., B.CH., B.SC., F.R.C.P., Respiratory Medicine

Attached Institutes:

African Studies Institute.
Director: T. J. Couzens, B.A. (acting).

Archaeological Research Unit.
Director: Prof. R. J. Mason, B.COM., B.A., PH.D.

Bernard Price Institute of Geophysical Research: f. 1936.
Director: Prof. L. O. Nicolaysen, M.SC., PH.D.

Bernard Price Institute for Palaeontological Research: f. 1949.
Director: Prof. M. A. Raath, PH.D.

Bureau for Mineral Studies.
Honorary Director: Prof. S. Budavari, PH.D., F.S.A.I.M.M.

Carbohydrate and Lipid Metabolism Research Unit.
Director: Prof. H. Seftel, B.SC., M.B., B.CH.

Centre for Continuing Education.
Director: Mrs. P. M. Wentzel, B.A.

Centre for Continuing Medical Education.
Director: Prof. G. R. Beaton, B.SC., M.B., B.CH.

Computer Centre.
Director: Prof. J. T. Steele, M.COM., C.A.(S.A.), F.C.A., M.C.S.S.A.

Dental Research Institute.
Director: Prof. P. E. Cleaton-Jones, B.D.S., M.B.B.CH., PH.D. (acting).

Economic Geology Research Unit.
Director: Prof. D. A. Pretorius, M.SC.(ENG.), PH.D.

Educational Technology Services.
Director: Mrs. Kate P. Turkington, M.A. (acting).

Electron Microscope Unit.
Director: M. J. Witcomb, M.SC., PH.D. (acting).

Ernest Oppenheimer Institute of Portuguese Studies.
Chairman: Prof. K. Tober, DR.PHIL.

Group for Research in Organ Transplantation.
Director: Prof. J. A. Myburgh, M.B., CH.M., F.R.C.S.

Hydrological Research Unit.
Director: Prof. D. C. Midgley, PH.D., PR.ENG., F.I.C.E., M.A.S.C.E., F.S.A.I.C.E.

Iron and Red Cell Metabolism Research Unit.
Director: Prof. T. H. Bothwell, M.D., D.SC., F.R.C.P., F.A.C.P.

Language Laboratory.
Honorary Director: Prof. Edith H. Raidt, M.A., PH.D.

Metabolic and Nutrition Research Unit.
Director: Prof. J. D. L. Hansen, M.D.

Nuclear Physics Research Unit.
Director: Prof. J. P. F. Sellschop, M.SC., PH.D.

Nuffield Lake Kariba Research Station.
Chairman: Prof. S. P. Jackson, M.A., PH.D., D.I.C., F.S.A.G.S.

Oral and Dental Hospital.
Director: Prof. J. F. van Reenen, B.D.S.

Photosynthetic Nitrogen Metabolism Unit.
Director: Prof. C. F. Cresswell, M.SC., PH.D.

Planetarium.
Director: T. E. Geary, F.R.A.S.

Pre-University School.
Director: Dr. G. C. Gerrans, PH.D.

Primate Behaviour Research Group.
Director: Prof. G. A. Doyle, M.A., PH.D.

Programme for Research in the Field of Music.
Director: Prof. U. V. Schneider, M.MUS., PH.D., L.R.U.C.T., L.R.U.C.P.

Solid State Physics Research Unit.
Director: Prof. F. R. N. Nabarro, M.B.E., M.A., D.SC., F.R.S., F.R.S.S.AF.

Speech, Voice and Hearing Clinic.
Director: Prof. Myrtle Aron, M.A., PH.D.

Urban and Regional Research Unit.
Director: Prof. T. J. D. Fair, M.A., PH.D., F.S.A.G.S.

UNIVERSITY OF ZULULAND

PRIVATE BAG,
KWA-DLANGEZWA,
VIA EMPANGENI, NATAL 3880
Telephone:
Kwa-Dlangezwa 0351-93611.

Founded 1960 for Zulu and Swazi students.

State control; Language of instruction: English; Academic year: February to December.

Chancellor: Dr. T. F. Muller, M.SC., D.COM.
Rector: Prof. A. C. Nkabinde, M.A., D.LITT.ET PHIL., T.E.D.
Registrar (Financial Administration): A. L. Oosthuizen.
Registrar (Academic Administration): E. W. Redelinghuys.
Librarian: P. Minaar, B.SC., B.BIBL., U.E.D., M.A.

Number of teachers: 141.
Number of students: 1,284.

Deans:

Faculty of Arts: Prof. H. J. van Eetveldt, D.LITT.
Faculty of Science: Prof. G. J. Lamprecht, M.SC., PH.D.
Faculty of Education: Prof. C. F. B. Nel, T.E.D., M.ED., D.ED.
Faculty of Economic and Political Sciences: Prof. L. J. Fourie, M.COM., F.I.C.B., F.I.A.C.
Faculty of Law: Prof. F. A. de Villiers, B.COM., LL.B.
Faculty of Theology: Prof. I. J. du Plessis, M.A., TH.DR.

Professors:

Faculty of Arts:

Badenhorst, L. H., TH.DR., M.TH., M.A., D.PHIL., Sociology
De Beer, C. S., M.A., D.PHIL., D.E.A., Philosophy
De Clerq, D. P., Anthropology and Development Studies
Du Plessis, A. P., M.A., D.LITT. ET PHIL., U.E.D., Sociology
Haasbroek, D. J. P., M.A., D.PHIL., T.E.D., History
Higgins, J. B., M.A.(S.W.), D.PHIL., Social Work
Nzimande, A. M., M.A., D.LITT. ET PHIL., U.E.D., Psychology
Van der Merwe, W., M.A., T.E.D., D.PHIL., History
Van Eetveldt, H. J., D.LITT., Afrikaans
Van der Walt, J., M.A., U.E.D., Classics
Van Huyssteen, J. A., B.A., U.E.D., English
White, J. M., M.A.(LIB.), Library Science

Faculty of Economic and Political Sciences:
Fourie, L. J., M.COM., Economics
Lemmer, H. R., M.COM.(B. AND A.), D.B.A., L.V.B., T.H.E.D., A.S.A.I.M., Business Economics
Potgieter, J. J., D.COM., T.H.E.D., Business Economics
Voges, R. P., B.COM., C.A., Accountancy and Auditing

Faculty of Education:
Dreyer, H. J., D.ED., D.LITT. ET PHIL., T.H.E.D., Educational Psychology
Duminy, P. A., M.ED., D.LIT. ET PHIL., Didactics
Ndaba, E. P., D.ED., V.E.D., Educational Psychology
Nel, C. F. B., D.ED., T.E.D., Philosophy of Education
Vos, A. J., T.H.E.D., D.E.D., History of Education and Comparative Education

Faculty of Law:
De Villiers, F. A., B.COM., LL.B., Private Law
Erasmus, M. G., B.A., LL.B., Zulu and Roman Law

Faculty of Science:
Boshoff, D. N., D.SC., Botany
Coetzee, F., D.SC., Geology
Lamprecht, G. J., M.SC., PH.D., Chemistry
Spoelstra, B., D.SC., Physics
Van Rooyen, D. A., M.SC., U.E.D., Mathematics
Visser, J. G. J., D.SC., Zoology

Faculty of Theology:
Du Plessis, I. J., M.A., B.D., TH.DR., Science of the New Testament
Mostert, J. P., PH.D., Science of Religion and Science of Mission
Odendaal, B. J., TH.DR., Church History
Van Dyk, P. R., M.A., D.LITT., TH.DRS., Diaconology and Ecclesiology

Attached Institute:

Institute for Public Service Training: Dir. Prof. J. C. Bekker, B.A., LL.B.

ADVANCED TECHNICAL COLLEGES

CAPE COLLEGE FOR ADVANCED TECHNICAL EDUCATION

LONGMARKET ST.,
P.O.B. 652, CAPE TOWN 8000
Telephone: Cape Town 22-1035.

Founded 1923.

Languages of Instruction: English and Afrikaans.

Director: W. H. D. Sceales, B.A., B.ED., F.I.A.C., A.S.A.I.M.
Deputy Director (Commercial and General): C. v. d. W. Kotze, M.A., B.ED., A.I.A.C., A.S.A.I.M.
Deputy Director (Technical): S. J. Cillié, B.SC. MECH.ENG., PR.ENG.
Registrar: J. van Zyl, B.COM.
Librarian: Miss S. Miller.

Library of 20,000 vols.

Number of teachers: 233 full-time, 331 part-time.

Number of students: 14,500 (full-time and part-time).

Publication: *Development* (annual).

Heads of Departments:

Arts and Crafts: A. P. Fourie, B.A.
Business Education: D. M. Bezuidenhout, B.COM., B.ED., N.C.T.D.
Commerce and Modern Languages: S. J. Weideman, B.COM., A.G.I.S., N.C.T.C.
Home Economics: Mrs. J. L. H. Oosthuizen, B.SC.
Naval Training: A. T. Jackson, N.T.D., N.T.T.D., M.(S.A.)I.E.R.E., P.M.G.I., I.A.C.
Pharmacy, Science and Paramedical Studies: A. C. Du Toit, B.SC., N.T.D.
Physical Education: I. L. Gibson, B.A., B.ED., U.ED.
Printing and Hairdressing: H. R. v. L. Dreyer.
Technology: K. A. H. Osswald, B.SC.(ENG.), C.E., M.I.MAR.E., PR.ENG., M.S.A.I.MECH.E.
Technical Training: F. Uys, F.S.A.I.MECH.E., N.T.T.D., N.E.D.

P.E. COLLEGE FOR ADVANCED TECHNICAL EDUCATION

PRIVATE BAG 6011,
PORT ELIZABETH

Founded 1925.

Rector: S. D. Van Der Merwe, M.A.
Registrar: G. J. van Blerk.

Number of students: 2,000.

M.L. SULTAN TECHNICAL COLLEGE

CENTENARY RD.,
P.O.B. 1334, DURBAN 4000

Founded 1946, for Indian students.

Rector: Dr. A. Solomon, D.ED.
Deputy Rector (Technology): R. P. de Stadler, B.SC., B.ED.
Deputy Rector (Humanities): A. Ramsamy, B.COMM.
Registrar and Secretary to College Council: R. Jagath.

Number of teachers: 503 (including part-time.)

Number of students: 8,108 (including part-time).

Consists of: Hotel and Catering School, Commerce, Apprentice School, General Studies, Home Economics, Physical Education, Technology.

Publications: *College Magazine*† (annually), *Brochures of Courses in different Divisions*† (annually), *Annual Report* (annually).

NATAL COLLEGE FOR ADVANCED TECHNICAL EDUCATION

P.O.B. 953, DURBAN

Founded 1907.

President of Council: F. J. D. Heese, B.A.
Director: A. Pittendrigh, B.SC., B.COM., B.ED.

Number of lecturers: 250 full-time, 300 part-time.

Number of students: 10,000.

PRETORIA COLLEGE FOR ADVANCED TECHNICAL EDUCATION

420 CHURCH ST. EAST,
PRETORIA
Telephone: 483811.
Telegraphic Address: Teknikol.

Founded 1906.

Director: Prof. D. H. Meiring, D.SC.
Registrar: J. R. Boot, M.COM., F.I.A.C.

Number of lecturers: 330 full-time, 249 part-time.

Number of students: 18,879.

Departments of Technology (consisting of Mechanical, Electrical and Civil Engineering); Physical Sciences; Pharmacy; Biological Sciences; Health Services; Agriculture and Horticulture; S.A. Defence Force Technical College, Verwoerdburg; Commerce and Management; Home Economics; Adult and Visual Education; Physical Education; Health and Recreation; Performing Arts; Art; Secretarial (full-time and part-time classes); Languages and Communication; General Courses.

WITWATERSRAND COLLEGE FOR ADVANCED TECHNICAL EDUCATION

ELOFF ST., P.O.B. 3293,
JOHANNESBURG

Founded 1925.

President: A. J. van den Berg.
Director: C. A. J. Bornman.
Registrar: C. P. Scholtz.

Number of teachers: 243 full-time, 464 part-time.

Number of students: 3,916 full-time, 6,609 part-time, 8,911 correspondence.

TRANSKEI

UNIVERSITY OF TRANSKEI

PRIVATE BAG X5092,
UMTATA
Telephone: 2208.
Founded 1977.

State control through University Council; Language of instruction: English.

Chancellor: Dr. K. D. MATANZIMA, Prime Minister.

Vice-Chancellor: Prof. B. DE V. VAN DER MERWE.

Registrar: J. DE M. MALAN.

Librarian: Miss M. EALES.

Number of teachers: 44.
Number of students: 294.

DEANS:

Faculty of Arts: Prof. N. C. MANGANYI.

Faculty of Natural Sciences: Prof. W. MÖDINGER.

Faculty of Economics: H. W. ROOS.

PROFESSORS:

Faculty of Arts:

HODGE, N., English
MANGANYI, N. C., Psychology
THOMPSON, D. F. L., Commercial Law
VERHOEF, P., Geography

Faculty of Natural Sciences:

DARES, G., Physics
DU PREEZ, A. L., Chemistry
MÖDINGER, W., Mathematics
TEW, A. J., Botany

SPAIN

Population 36,229,000

ACADEMIES

The six official Spanish Academies were reorganized by governmental decree in 1939, when their title of "Real" was restored to them in recognition of their historical origin. This decree ordains their incorporation with the Instituto de España, thus forming a "Senado de la Cultura Española".

Madrid

Instituto de España: Amor de Dios 2; f. 1939; Pres. Manuel Lora Tamayo; publ. *Anuario*.

Real Academia Española (*Royal Spanish Academy*): Calle de Felipe IV 4; Tel. 2 39 46 05; f. 1713, Charter granted 1714 by Philip V when various privileges were allowed to the Academy and the Academicians; first in order of precedence among the Royal Academies; library of 53,000 vols.; publs. *Diccionario de la Lengua Española*, *Gramática de la Lengua Española*, etc.

President: Dámaso Alonso.

Permanent Secretary: Alonso Zamora Vicente.

Censor: Pedro Laín Entralgo.

Librarian: Vicente García de Diego.

Treasurer: Salvador Fernández Ramírez.

Members:

Alarcos Llorach, Emilio
Aleixandre, Vicente
Alonso, Dámaso
Alvar, Manuel
Buero Vallejo, Antonio
Calvo Sotelo, Joaquín
Cela, Camilo José
Colino López, Antonio
Conde, Carmen
Delibes Setién, Miguel
Díaz-Plaja, Guillermo
Diego Cendoya, Gerardo
Diez Alegria, Manuel
Enrique y Tarancón, Cardinal Vicente
Fernández Ramírez, Salvador
García de Diego, Vicente
García Gómez, Emilio
García Valdecasas, Alfonso
Halcón Villalón-Daoiz, Manuel
Laín Entralgo, Pedro
Lapesa Melgar, Rafael
Lázaro Carreter, Fernando
Luca de Tena y Brunet, Torcuato
Madariaga, Salvador de
Marías, Julián
Montes, Eugenio
Navarro Tomás, Tomás
Pemán y Pemartín, José María
Riquer, Martín de
Rosalez Camacho, Luis
Sáinz Rodríguez, Pedro
Terán Alvarez, Manuel
Torrente Ballester, Gonzalo
Tovar Llorente, Antonio
Zamora Vicente, Alonso
Zunzunegui y Loredo, Juan Antonio

Corresponding members: Spanish, 28; Spanish-American, 10; foreign, 36.

Real Academia de la Historia (*Royal Academy of History*): León 21, Madrid 14; f. 1738; 2nd in order of precedence among the Royal Academies; library of 350,000 vols., 180,000 MSS.; publs. *Memorias*, *Memorial Histórico*, *Boletín*, historical works.

Director: Diego Angulo Iñíguez.

Secretary: Dalmiro de la Válgoma y Díaz-Varela.

Librarian: Antonio Blanco Freijeiro.

Real Academia de Bellas Artes de San Fernando (*San Fernando Royal Academy of Fine Arts*): Alcalá 13; f. 1744; 3rd in order of precedence among the Royal Academies; publs. *Boletín*; works on Fine Arts; has affiliated museums of paintings and sculpture; library of 22,600 vols., including 127 rare editions and 140 MSS.

General Secretary: Federico Sopeña Ibáñez.

Librarian: José Subira Puig.

Curator: Fernando Labrada Martín.

Real Academia de Ciencias Exactas, Físicas y Naturales (*Royal Academy of Exact, Physical and Natural Sciences*): Valverde 22 y 24; f. 1847; 4th in order of precedence among the Royal Academies; publs. *Memorias*, *Revista*, *Anuario*.

President: Manuel Lora Tamayo.

Vice-President: Obdulio Fernández Rodriguez.

Permanent Secretary: José M. Otero de Navascués.

Deputy Secretary: José Ma. Torroja Menéndez.

Treasurer: Antonio Almela Samper.

Librarian: Angel Martín Municio.

Accountant: José García Santesmases.

Sección de Ciencias Exactas:

President: Sixto Ríos García.
Secretary: Baltasar Rodriguez Salinas.

Members:

Lafita Babío, Felipe
Dou Masdexexás, P. Alberto
Ancochea Quevedo, Germán
Romañá Pujó, s.j., Antonio
García Frias, Juan
Maravall Casesnoves, Darío
Torroja Menéndez, José Ma.
Goded Echeverría, Federico
Millán Barbany, Gregorio
Valdivia Ureña, Manuel

Sección de Ciencias Físicas:

President: José García Santesmases.
Secretary: Enrique Costa Novella.

Members:

Fernández y Rodríguez, Obdulio
Otero Navascués, José María
Lora Tamayo, Manuel
Colino López, Antonio
Pascual Vila, José
Sánchez del Río Sierra, Carlos
Durán Miranda, Armando
Morcillo Rubio, Jesús

Elected:
Calvo Calvo, Felipe
Galindo Tixaire, Alberto

Sección de Ciencias Naturales:

President: Miguel Benlloch Martínez.
Secretary: Manuel Alía Medina.

Members:

Bustinza Lachiondo, Florencio
Ríos García, José Ma.
Almela Samper, Antonio
Martin Municio, Angel
Sánchez-Monge Parellada, Enrique
Alvarado Fernández, Salustio
Losada Villasante, Manuel
Garrido Mareca, Julio
Meléndez Meléndez, Bermudo

Elected:
Fúster Casa, José M.

Corresponding members: Spanish, 36; foreign, 78.

Real Academia de Ciencias Morales y Políticas (*Royal Academy of Moral and Political Sciences*): Casa de los Lujanes, Plaza de la Villa 2; f. 1857; 5th in order of precedence among the Royal Academies; publs. historical and scientific works; library of 53,398 vols., 260 MSS., 300 periodicals.

President: Alfonso García Valdecasas.
Vice-President: Carlos Ruíz del Castillo.
Secretary: Francisco Moreno de Herrera, Conde de Los Andes.
Librarian: Antonio Truyol Serra.
Registrar: Luís Legaz Lecambra.
Treasurer: Gonzalo Arnaiz Vellando.

Members:

Alcorta y Echeverría, José I.
Alonso Olea, Manuel
Alvarez, Valentín Andrés
Areilza, José, Conde de Motrico
Camón Aznar, José
Diez Alegría, Manuel
Diez Del Corral, Luis
Fernández de la Mora, Gonzalo
Fraga Iribarne, Manuel
Fuentes Quintana, Enrique
González Alvarez, Angel
González Martin, Cardenal Marcelo.
Jordana de Pozas, Luis
López-Rodó, Laureano
Madonaja, Salvador de
Martín Artajo, Alberto
Millán Puelles, Antonio
Moreno de Herrera, Francisco, Conde de Los Andes
Navarro, Rubio Mariano
Olariaga y Pujana, Luis
Ollero Gómez, Carlos
Oriol y Urquijo, José María de, Marques de Casa Oriol
Palacios Rodríguez, Leopoldo Eulogio
Perpiñá Rodríguez, Antonio
Sarda, Juan
Viñas Mey, Carmelo

Elected:
Garcia Trevijano, José Antonio
Sánchez Agesta, Luis
Velarde Fuertew, Juan

Corresponding members: Spanish, 20; foreign, 25.

Real Academia Nacional de Medicina (*Royal National Academy of Medicine*): Arrieta 12; f. 1732 as a group of famous court physicians, surgeons and pharmacists; present name 1917; 6th in order of precedence among the Royal Academies; 40 mems.; corresponding mems., 93 Spanish, 57 foreign; publs. *Anales*, *Biblioteca Clásica de la Medicina Española* (17 vols.).

President: Benigno Lorenzo Velázquez.
Vice-President: José Botella Llusiá.
Permanent Secretary: Dr. Valentín Matilla Gómez.
Secretary: Dr. Juan Bosch Marín.
Librarian: César González Gómez.
Treasurer: Agustín Bullón Ramírez.
Accountant: Manuel Gómez-Durán.

Members:

Armijo Valenzuela, Manuel
Bosch Marín, Juan
Botella Lusía, José
Bravo Oliva, José
Bru Villaseca, Luis
Bullón Ramírez, Agustín
Calatrava Páramo, Luis
Casares López, Román
Cifuentes Delatte, Luis
Cortes Gallego, Rafael
Costa Novella, Enrique
de la Fuente Chaos, Alfonso
de la Quintana Lopes, Primitivo
Durán Sacristan, Hipolito
Fernandez-Cruz Liñán, Arturo
Fernández y Rodríguez, Obdulio
Fernández-Galiano y Fernández, Dimas
Gallego Fernández, Antonio
García Alfonso, Cristino
García-Conde Gómez, Francisco Javier
García Orcoyen, Jesús
Gay Prieto, José
Gómez Durán, Manuel
González Gómez, César
Laguna Serrano, Ciriaco
Lain Entralgo, Pedro
López Ibor, Juan José
Lorenzo Velásquez, Benigno
Matilla Gómez, Valentín
Montequi Díaz de Plaza, Ricardo
Núñez y Pérez, Guillermo
Orts Llorca, Francisco
Pérez Llorca, José
Piédrola Gil, Gonzalo
Rof Carballo, Juan
Sanz Sánchez, Félix
Vara López, Rafael

Elected:
Piga Sánchez-Morate, Bonifacio

Real Academia de Jurisprudencia y Legislación (*Royal Academy of Jurisprudence and Legislation*): Marqués de Cubas 13; f. 1730; 40 mems.

President: Antonio Hernández Gil.
Vice-President: Raimundo Fernández-Cuesta y Merelo.
Secretary: Juan Vallet de Goytisolo.
Librarian: Juan Becerril y Anton Miralles.

Real Academia de Farmacia (*Royal Academy of Pharmacy*): Calle de la Farmacia 11; f. 1589 as Congregación de San Lucas, 1737 as Real Colegio de Farmacéuticos, 1932 as Real Academia de Farmacia; library of 12,000 vols.; 40 mems.; publ. *Anales* (quarterly).

Director: Angel Santos-Ruíz.
Permanent Secretary: Manuel Ortega.
Librarian: Victor Villanueva Vadillo.

Academia de Cirugía de Madrid (*Madrid Academy of Surgery*): Avenida de José Antonio 34; f. 1931.

President: Dr. Tomás Rodríguez de Mata.

Academia Española de Dermatología y Sifilografía (*Spanish Academy of Dermatology and Syphilography*): Sandoval 7; f. 1909; 435 mems., 51 hon., 3 corresp.; library of 900 vols.; publ. *Actas Dermosifiliográficas*.

Honorary Presidents: Prof. José Gómez Orbaneja, Prof. José Gay Prieto.
President: D. José Cabre Piera.
Vice-Presidents: Dr. Félix Contreras Dueñas, José Mascaro Ballester.
Secretary-General: Ramón Morán López.
Librarian: Dr. Juan José Apellaniz Fernández.

Branches: Catalonia, Valencia, Biscay-Navarre-Aragon, Eastern Andalusia, Western Andalusia and Canary Islands.

Academia Médico-Quirúrgica Española (*Spanish Academy of Medicine and Surgery*): Villanueva 11, Madrid 1; f. 1891; 492 mems.; publ. *Anales*.

President: Prof. Eduardo Arias Vallejo.
Secretary: Dr. Julio Muñiz González.

Academia Iberoamericana y Filipina de Historia Postal (*Spanish-American and Philippine Academy of Postal History*): Palacio de Comunicaciones, Dirección General de Correos y Telecomunicación; f. 1930; publ. *Boletín* (quarterly).

President: Aníbal Martín García.
Secretary-General: José Jusdado Martín.

Members, 40; hon., 33; foreign, 37.

Barcelona

Real Academia de Bellas Artes de San Jorge (*Royal Academy of Fine Arts*): Casa Lonja, Paseo de Isabel II, 2°; f. 1849; library of 1,500 vols.; publs. historical, literary and artistic works.

President: Federico Marés Deulovol.
Secretary-General: Luis Solé Sabarís.
Librarian: Rafael Benet Vancells.

Real Academia de Ciencias y Artes de Barcelona (*Barcelona Royal Academy of Science and Arts*): Rambla de Estudios 115; f. 1764; 45 mems.; library of 50,000 vols.; publs. *Nómina*, *Memorias*†.

President: Dr. D. Luis Solé Sabarís.
Vice-President: Dr. D. Enrique Ras Oliva.
Vice-Secretary: Dr. D. Manuel Puigcerver Zanón.
Librarian: José Iglesias Fort.

Members:

Augé Farreras, Juan
Barella Miró, Alberto
Bassegoda, Buenaventura
Bassegoda Nonell, Juan
Bolós, Oriol
Brugalla Turmo, Emilio
Buscarons U., Francisco
Caballero, Arturo
Cases, José
Codina Vidal, José María
Crusafont P., Miguel
Cumella, Antonio
Español, Francisco
Folch Girona, Joaquin
Font T., José María
Freixa, Enrique
Iglesias F., José
Lafita B., Felipe
Margalef, Ramón
Mir, Jesús
Muñoz Oms, Victoriano
Ollé Pinell, Antonio
Pascual De Sans, Pedro
Pascual Vila, José
Ponz Piedrafita, Francisco
Prevosti, Antonio
Puigcerver Zanon, Manuel

RAS OLIVA, ENRIQUE
SALES VALLÉS, FRANCISCO
SANTOMÁ, LUIS
SOLÉ SABARÍS, LUIS
VIDAL L., JOSÉ MARIA
VIVES, JOSÉ LUIS

Has affiliated:

Observatorio Astronómico Meteorológico y Sísmico Fabra: Tibidabo, Barcelona; f. 1905.
Director: JOSÉ MARÍA CODINA.

Academia de Buenas Letras de Barcelona (*Barcelona Academy of Belles Lettres*): Calle Obispo Cassador 3; f. 1729; 36 mems.; publ. *Boletín*, *Memorias*.
President: MARTÍN DE RIQUER.
Secretary: JOSÉ ALSINA CLOTA.
Librarian: PEDRO BOHIGAS BALAGUER.

Acadèmia de Ciències Mèdiques de Catalunya i de Balears (*Catalonian Academy of Medicine*): Paseo de la Bonanova 47; f. 1878; 5,000 mems.; publs. *Anals de Medicina*, *Monografies Mèdiques*.
President: JOSEP ALSINA I BOFILL.
Secretary: JOAQUIM RAMIS I CORIS.
Librarian: MARIÙS FOZ I SALA.

Bilbao

Academia de la Lengua Vasca, Euskaltzaindia (*Academy of the Basque Language*): Ribera 6; f. 1919; philology and teaching of Basque; 24 mems.; publ. *Euskera*† (periodical).
President: LUIS VILLASANTE.
Vice-President: JEAN HARITSCHELAR.
Secretary: JUAN SAN MARTÍN.
Vice-Secretary: JOSÉ LUIS LIZUNDIA.
Treasurer: EUSEBIO ERKIAGA.
Librarian: ALFONSO IRIGOYEN.

Academia de Ciencias Médicas de Bilbao (*Academy of Medicine*): Lersundi 9-1°, Apdo. 414, Bilbao 10; f. 1895; 1,300 mems.; library of 9,050 vols.
President: Dr. PEDRO DE BARTUREN LÓPEZ.
Secretary-General: Dr. GUILLERMO BARRALLO VILLAR.
Publication: *Gaceta Médica de Bilbao*† (every month).

Cádiz

Real Academia Hispano-Americana (*Royal Spanish-American Academy*): Plaza de San Francisco 3, Apdo. 16; f. 1910; 29 mems.; publ. *Boletín*.
Director: JOSÉ MARÍA PEMÁN Y PEMARTÍN.
Secretary-General: MANUEL ANTONIO RENDÓN Y GÓMEZ.

Córdoba

Real Academia de Ciencias, Bellas Letras y Nobles Artes (*Royal Academy of Science, Literature and Fine Arts*): Ambrosio de Morales 9; f. 1810; 35 mems., 35 corresponding mems.; publs. *Boletín* (half- yearly), scientific, historical and literary works.
Director: Dr. RAFAEL CASTEJÓN.
Secretary: JUAN GÓMEZ CRESPO.

La Coruña

Real Academia Gallega (*Royal Galician Academy*): Palacio Municipal; f. 1905; 40 mems.; library of 20,000 vols., including valuable collection of books on Galicia; publs. *Boletín*, *Diccionario Gallego-Castellano*.
President: SEBASTIÁN MARTÍNEZ RISCO.
Secretary: FRANCISCO VALES VILLAMARÍN.
Librarian: JUAN NAYA PÉREZ.

Málaga

Real Academia de Bellas Artes de San Telmo (*Royal Academy of Fine Arts*): f. 1849; 28 mems.
President: JOSÉ LUIS ESTRADA SEGALERVA.
Secretaries: BALTASAR PEÑA HINOJOSA, LUIS BONO HERNÁNDEZ DE SANTAOLALLA.

Seville

Real Academia Sevillana de Buenas Letras (*Seville Royal Academy of Belles Lettres*): Plaza del Museo 8; f. 1751; 30 mems., including 2 elected; library of 5.000 vols.; publ. *Boletín de Buenas Letras* (quarterly).
Director: Dr. ANTONIO CORTÉS LLADO.
Secretary: Dr. ILDEFONSO CAMACHO BAÑOS.
Librarian: Dr. ANTONIO GONZÁLEZ MENESES MELÉNDEZ.

Real Academia de Bellas Artes de Santa Isabel de Hungría (*Royal Fine Arts Academy*): Plaza del Museo 8; f. 1660; 30 mems.; library of 1,327 vols.; publ. *Boletín* (annually).
President: JOSÉ HERNÁNDEZ DÍAZ.
Secretary-General: ANTONIO DE LA BANDA Y VARGAS.
Librarian: FRANCISCO COLLANTES DE TERÁN.

Real Academia de Medicina de Sevilla (*Royal Academy of Medicine of Seville*). Plaza de España; f. 1697; 25 mems.; corresponding mems.: Spanish 100, foreign 50; library of 6,000 vols.
President: Dr. GABRIEL SÁNCHEZ DE LA CUESTA Y GUTIÉRREZ.
Vice-President: Dr. ANTONIO GONZÁLEZ-MENESES Y MELÉNDEZ.
Secretary: Dr. LUCAS BERMUDO FERNÁNDEZ.
Librarian: Dr. ELOY DOMÍNGUEZ-RODIÑO Y DOMÍNGUEZ-ADAME.

Toledo

Real Academia de Bellas Artes y Ciencias Históricas de Toledo (*Toledo Royal Academv of Fine Arts and Historical Sciences*): Calle Esteban Illán 9; f. 1916; 25 mems., 8 elected mems.; library of 4,000 vols.; publ. *Toletum*†.
Director: JUAN F. RIVERA RECIO.
Secretary: CLEMENTE PALENCIA FLORES.
Censor: JULIO PORRES MARTÍN-CLETO.
Librarian: EMILIO GARCÍA RODRÍGUEZ.
Treasurer: JOSÉ GÓMEZ LUENGO.
Archaeologist: MATILDE REVUELTA TUBINO.

MEMBERS:

AGUADO VILLALBA, JOSÉ
BONILLA MORENO, CONRADO
CARILLO ROJAS, LUIS
COLOMINA TORNER, JAIME
GOITIA GRAELLS, MARIANO
GÓMEZ-MENOR FUENTES, JOSÉ
GONZALVEZ RUIZ, RAMÓN
LOPEZ-FANDO RODRIGUEZ, ALFONSO
MARTÍN AGUADO, MÁXIMO
MENDEZ APARICIO, JULIA
MIRANDA CALVO, JOSÉ
MORAGON MIGUEL, MARIANO
PAYO SUBIZA, GONZALO
PEDRAZA RUIZ, ESPERANZA
ROMERO CARRIÓN, MANUEL
SANTACRUZ S. DE ROJAS, GUILLERMO
VALLE DIAZ, FÉLIX DEL

Valladolid

Real Academia de Bellas Artes de la Purísima Concepción (*Royal Academy of Fine Arts*): Calle del Rastro, Casa de Cervantes; f. 1746; 30 mems.
President: Dr. NICOMEDES SANZ Y RUIZ DE LA PEÑA.
Secretary: Dr. NEMESIO MONTERO PÉREZ.
Members: 30.

Zaragoza

Real Academia de Nobles y Bellas Artes de San Luis (*Royal Academy of Fine Arts*): Plaza de José Antonio 6; f. 1792; library of 4,517 vols.; composed of 28 Academicians, 84 Spanish and 28 foreign corresponding members and variable number of delegates; comprises 5 sections (architecture, sculpture, painting, music, literature) and 3 permanent committees; publs. *Boletín* (irregularly), catalogues, works.
President. TEODORO RÍOS BALAGUER.
Secretary-General: JOAQUÍN ALBAREDA PIAZUELO.
Librarian: MARIANO BURRIEL RODRIGO.

Academia de Ciencias Exactas, Físico-Químicas y Naturales (*Academy of Exact, Physicochemical and Natural Sciences*): Facultad de Ciencias, Ciudad Universitaria;

f. 1916; comprises sections on Exact Sciences, Physics and Chemistry, and Natural Sciences; publs. *Revista de la Academia de Ciencias Exactas, Físico-Químicas y Naturales*† (four a year).

President: Justiniano Casas Pelaez.
Secretary: Ángel Sánchez Franco.
Librarian: Juan Sancho de San Roman.

Members 40; corresponding: Spanish 30, foreign 30.

Palma de Mallorca

Real Academia de Medicina y Cirugía de Palma de Mallorca (*Royal Academy of Medicine and Surgery*): Morey 20; 19 mems.

President: José Sampol Vidal.
Secretary: Santiago Forteza Forteza.

Academia Científico-Deontológica de La Hermandad Médico-Farmacéutica de San Cosme y San Damián: Calle Almudaina 28; f. 1932; 200 mems.; publ. *Actas.*

President: Dr. Santiago Forteza Forteza.
Secretary: Dr. Juan Gil Xamena.

LEARNED SOCIETIES

Agriculture and Veterinary Science

Consejo General de Colegios Oficiales de Ingenieros Técnicos Agrícolas de España (*Council of Agricultural Colleges*): Plaza de Santo Domingo 13-1°-B, Madrid; f. 1949; formerly Asociación Nacional de Peritos Agrícolas, f. 1880; 3,668 mems.; library of 3,668 vols.; Pres. José Luis Linaza de la Cruz; Sec. Constantino Lagaron Yáñez; publ. *A.G.* (monthly).

Instituto Agrícola Catalán de San Isidro (*Catalan Agricultural Institute*): Plaza de San José Oriol 4, Barcelona; f. 1851; Pres. Jesús Raventós Fatjó; Sec.-Gen. Carlos Bernat Juanos; publs. *Revista* (monthly), *Calendario del Payés* (yearly).

Sociedad Veterinaria de Zootecnia de España (*Spanish Veterinary Society of Zootechnics*): Facultad de Veterinaria, Ciudad Universitaria, Madrid 3; f. 1945; zootechnical science, animal husbandry, ethology, animal behaviour, animal genetics, economics, animal production; 250 ordinary mems., 3,500 corresp. mems.; library of 5,000 vols.; Pres. Dr. R. Díaz Montilla; Technical Sec.-Dir. Prof. Dr. C. L. de Cuenca; publs. *Proceedings of the First and Second International Veterinary Congresses of Zootechnics, Proceedings of World Congresses on Animal Feeding, Proceedings of the First World Congress on Genetics Applied to Livestock Production, Proceedings of the First World Congress on Ethology Applied to Zootechnics, Zootechnia*† (bi-monthly).

Architecture and Town Planning

Colegio Oficial de Arquitectos de Cataluña y Baleares (*College of Architects of Catalonia and the Balearic Is.*): Plaza Nueva 5, Barcelona 2; f. 1931; 2,563 mems.; library of 22,873 vols.; Sec. Oriol Tintoré Auger; publ. *Cuadernos de Arquitectura y Urbanismo.*

Dirección General de Arquitectura y Tecnología de la Edificación (*Dept. of Architecture and Building Technology*): Plaza de San Juan de la Cruz 1, Madrid 3; f. 1940; restoration and conservation of monuments of historical or artistic value; construction of government buildings; formulating quality control regulations in the building industry; 234 mems.; Dir.-Gen. Antonio Vallejo Acevedo; publ. *Normas Tecnológicas de la Edificación* (weekly).

The Arts

Asociación Española de Pintores y Escultores de España (*Association of Spanish Artists and Sculptors*): Infantas 30, Madrid 4; f. 1910; Pres. Ramón Ferreiro; Perm. Sec. Miguel Carrión; annual autumn exhibition in Palacio del Retiro; publ. *Boletín Informativo.*

Ateneo Barcelonés (*Barcelona Athenaeum*): Calle Canuda 6, Barcelona; f. 1860; library: *see* libraries; 2,500 mems.; governed by a Directorate; Pres. Ignacio Agustí Peypoch; Sec.-Gen. Julio Manegat Pérez.

Ateneo Científico, Literario y Artístico (*Scientific, Literary and Artistic Athenaeum*): Calle del Prado 21, Apdo. 272, Madrid; f. 1820; 2,700 mems.; library of 180,000 vols. Pres. José María de Cossío; publ. *Hoja del Ateneo.*

Ateneo Científico, Literario y Artístico (*Scientific, Literary and Artistic Athenaeum*): Calle Cifuentes 25, Mahón, Minorca, Balearic Is.; f. 1905; library of 14,000 vols.; 495 mems.; Pres. Guillermo de Olives Pons; Secs. Calixto Martín Neé, María Esther Sebastián Sandino; publ. *Revista de Menorca* (quarterly).

Comité Nacional Español del Consejo Internacional de la Musica (*National Cttee. of the International Music Council*): Avenida Reina Victoria 58, Madrid 3.

Instituto Amatller de Arte Hispánico (*Institute of Hispanic Art*): Paseo de Gracia 41, Barcelona; f. 1941; collection of 500,000 photographs; Dir. Prof. José Gudiol Ricart; Sec. Santiago Alcolea-Blanch.

Instituto de Arte "Diego Velázquez": Duque de Medinaceli 4, Madrid 14; f. 1939; history of Spanish art and history of European art in Spain; 12 mems.; library of 17,778 vols.; Dir. Enrique Marco Dorta; publs. *Archivo Español de Arte*†, *Revista de Ideas Estéticas*† (both quarterly).

Instituto del Teatro (*Theatrical Institute*): Calle Conde del Asalto 3, Barcelona 1; f. 1913; exhibitions of scenery, lectures, etc.; library of 125,000 vols.; Dir. Hermann Bonnin; Sec. Xavier Fábregas; publs. works on the theatre.

Real Sociedad Fotográfica Española (*Royal Spanish Photographic Society*): Calle del Príncipe 16, Madrid 12; f. 1899; 690 mems.; library of 1,100 vols.; Pres. Gerardo Vielba Calvo; Sec. Fernando Bedmar Izquierdo; publ. *Boletín*† (monthly).

Sociedad de Ciencias, Letras y Artes (*Scientific, Literary and Art Society*): Dr. Chil 33, Las Palmas, Canary Is.; f. 1879; incorporated in the Consejo Superior de Investigaciones Científicas (*q.v.*); museum: *see* Museums; laboratories; important library (40,000 vols.), archives and periodicals relating to the history and primitive peoples of the Canary Islands; Pres. José M. Alzola; Sec. Juan Rodríguez Doreste; publ. *El Museo Canario* (quarterly).

Bibliography, Library Science and Museology

Asociación Amigos de los Museos (*Friends of the Museums Association*): Palacio de la Virreina, Barcelona; f. 1933; 980 mems., 6 hon., 81 associates, 52 others; Pres. Vizconde de Güell; Vice-Pres. Gustavo Gili Esteve; Sec.-Gen. José R. Espinos y Pérez-Rosales; publs. *Historiales*, monographs.

Asociación Nacional de Bibliotecarios, Archiveros y Arqueólogos: Avda. Calvo Sotelo 22, Apdo. 14281, Madrid; f. 1949; 850 mems.; groups all specialists working in the country's archive services, libraries, museums and documentation services; Pres. Hipólito Escolar Sobrino; Sec. Luis García Ejarque; publs. *Boletín I*, and many irregular works.

Junta Facultativa de Archivos, Bibliotecas y Museos: Madrid; advises the General Directorate of Archives and Libraries.

Asociación Nacional de Bibliotecarios, Archiveros y Arqueólogos (Delegación de Cataluña y Baleares) (*National Association of Archivists and Librarians*): Apdo. 1868, Barcelona; Pres. Mercè Rossell.

Instituto Bibliográfico Hispánico (*Spanish Bibliographic Institute*): Calle de Atocha 106, Madrid 12; f. 1970; attached to the Ministry of Culture; legal deposit, national bibliography and bibliographical information; Dir. Vicente Sánchez Muñoz; publs. *Bibliografía Española* (monthly), *Indices de Revistas de Bibliotecología*† (3 a year), *Revistas españolas en curso de publicación*† (annually).

Economics, Law and Politics

Centro de Estudios Constitucionales (*Centre for Constitutional Studies*): Plaza de la Marina Española 9, Madrid 13; f. 1939 as Instituto de Estudios Políticos, name changed 1977; organizes lectures and seminars on political, economic, administrative and social questions; library of 20,000 vols., access to the Senate library of 100,000 vols.; Dir. Fernando Prieto Martínez; Sec.-Gen. Ángel Regidor Sendín; publs. *Revista de Estudios Políticos* (6 a year), *Política Internacional* (6 a year), *Revista de Administración Pública* (3 a year), *Revista de Política Social* (quarterly), *Revista de Economía Política* (3 a year), *Revista de Instituciones Europeas* (3 a year).

Colegio de Abogados de Barcelona (*Barcelona College of Lawyers*): Calle Mallorca 283; f. 1832; 4,138 mems.; library of 120,000 vols.; Dean Miguel Casals Colldecarrera; Sec. José Pi-Suñer Cuberta; publ. *Revista Jurídica de Cataluña*†.

Colegio Notarial (*College of Notaries*): Calle Notariado 4, Barcelona 1; 222 mems.; Pres. Carlos Fernández-Castañeda; Sec. Angel Martínez Sarrión.

Instituto de Estudios de Administración Local (*Institute for the Study of Local Government*): J. García Morato 7, Madrid 10; f. 1940; library of 47,839 vols.; Dir. Sebastián Martín-Retortillo Baquer; publs. *Revista Estudios Vida Local* (quarterly), *Ciudad y Territorio* (quarterly).

Instituto Nacional de Estadística (*National Statistical Office*): Avda. del Generalísimo 91, Madrid 16; f. 1945; library of 107,620 vols.; Pres. Dr. Azorín; Dir.-Gen. Sr. Calzada; publs. *Anuario Estadístico de España*, *Censos de la Población y de la Vivienda*, *Boletín Mensual de Estadística*, *Censo Agrario*, *Estadística Industrial*, *Indicadores de conyuntura*, *Revista "Estadística Española"*, etc.

Real Sociedad Económica de Amigos del País de Tenerife (*Royal Economic Society of Friends of Tenerife*): La Laguna de Tenerife, Calle San Agustín 23, Tenerife, Canary Is.; f. 1777; 490 mems.; sections: *Intereses Morales*, *Intereses Materiales*, *Intereses Culturales*, *Intereses Económicos*; library of 10,500 vols.; museum; Dir. Marqués de Villanueva del Prado, D. Manuel de Quintana; publs. works relating to the Canary Islands.

Education

Consejo Nacional de Colegios Oficiales de Doctores y Licenciados en Filosofía y Letras y en Ciencias (*National Council of Official Colleges of Doctors and Licentiates in Philosophy, Letters and Science*): Bolsa 11, 2°, Madrid 12; f. 1944; 43,100 mems.; Pres. Dr. Martín Santos Romero; Sec.-Gen. Ezequiel Puig Maestro-Amado; publs. information bulletins of the colleges in Barcelona, Bilbao, Madrid, Seville and Valladolid.

Fundación Juan March: Castelló 77, Madrid; f. 1955; awards scholarships and research grants to Spanish professors and scholars in the arts and sciences; organizes cultural, artistic and musical activities; Pres. Juan March Delgado; Sec. Alejandro Bérgamo; publ. *Boletín Informativo*† (monthly), *Anales*, *Hoja Informativa de Literatura y Filología*.

Instituto Nacional de Ciencias de la Educación—INCIE (*National Institute of Education*): Ciudad Universitaria, Madrid 3; f. 1974; trains staff for the *Institutos de Ciencias de la Educación*; organizes training programmes; co-ordinates the research programmes of the ICEs and carries out its own research; staff of 120; Dir. Juan Diez Nicolás; Gen. Sec. Carmen Arribas.

History, Geography and Archaeology

Comisión Provincial de Monumentos Históricos y Artísticos de Barcelona (*Barcelona Provincial Commission for the Preservation of Historical and Artistic Monuments*): Calle del Obispo Cassador 3, Plaza de San Justo; f. 1844; Pres. Federico Marés Deulovol; Sec. Pedro Voltes Bou.

Deutsches Archaeologisches Institut (*German Archaeological Institute*): Serrano 159, Madrid; library of 30,000 vols.; Dir. Prof. Dr. Wilhelm Grünhagen; publs. *Madrider Mitteilungen* (annual), *Madrider Forschungen*, *Madrider Beitrage*, *Hispania Antiqua*.

Inspección Técnica de Excavaciones Arqueológicas (*Technical Survey of Archaeological Excavations*): Paseo Calvo Sotelo 20, Madrid 1; f. 1939; library of 34,000 vols. and 173 periodicals; Dir. Antonio Blanco Freijeiro; Sub-Commr. José S. Meseguer; publs. *Noticiario Arqueológico Hispánico*, *Excavaciones Arqueológicas en España*, *Acta Arqueológica Hispánica*.

Instituto Arqueológico del Ayuntamiento de Madrid (*Archaeological Institute of the City of Madrid*): Parque de la Fuente del Berro; conducts research into the archaeology of Madrid and environs; library (6,000 vols.), laboratory and museum; Dir. Dr. Enrique Pastor Mateos; Curators Salvador Quero Castro, Carmen Priego Fernández del Campo; publ. *Anuario de Arqueología Madrileña*.

Instituto Español de Oceanografía (Ministerio de Transportes y Comunicaciones-Subsecretaría de Pesca y Marina Mercante) (*Spanish Institute of Oceanography*): Alcalá 27, Madrid 14; f. 1919; comprises Physics, Chemistry, Pollution, Geology, Fishery Biology and Marine Biology sections in Madrid, coastal laboratories at Santander, La Coruña, Vigo, Málaga, San Pedro del Pinatar, Santa Cruz de Tenerife, and Palma de Mallorca; library of 7,000 vols.; research vessels "Cornide de Saavedra" (1,100 tons), "Jafuda Cresques" (35 tons), "Argos" (50 tons), "Naucrates" (100 tons); 121 mems.; Dir.-Gen. D. José María Turnay Turnay; publs. *Boletín*, *Trabajos* (both irregular).

Instituto Geográfico y Catastral (*Geographical and Cadastral Institute*): Calle del General Ibáñez de Ibero 3, Madrid 3; f. 1870; 1,200 mems.; library of 20,000 vols.; Dir.-Gen. Rodolfo Núñez de las Cuevas; comprises the following sections:

Geographical, Astronomical and Cadastral Council: Pres. Antonio García de Arangoá.

National Astronomical Observatory: Dir. José Pensado Iglesias.

Economic Development Service: Dir. Rafael Sabater Gay.

National Commission on Astronomy: Pres. Rodolfo Núñez de Las Cuevas.

National Commission for Geodesy and Geophysics: Pres. Rodolfo Núñez de Las Cuevas.

National Commission for Metrology and Metrotechnology: Pres. Rodolfo Núñez de Las Cuevas.

Permanent Commission on Earthquake Resistance: Pres. Rodolfo Núñez de Las Cuevas.

Publs.: *Boletín Astronómico, Anuario del Observatorio Astronómico, Anuario de Geomagnetismo, Boletines Sísmicos, Boletín de Teledetección, Boletín Informativo del I.G.C.*

Instituto Histórico de Marina (*Naval History Institute*): Ministerio de Marina, Montalbán 2, Madrid; f. 1942; associated with the Consejo Superior de Investigaciones Científicas; for library *see* entry under Museo Naval; Dir. C. N. D. JOSÉ LUIS MORALES.

Instituto Municipal de Historia de la Ciudad: Calle de Santa Lucia 1, Casa del Arcediano, Barcelona; f. 1943; the Institute has taken over and added to the activities of the former Archivo Histórico de la Ciudad; it undertakes historical research on Barcelona, organizes courses, lectures, exhibitions, etc.; library of 125,000 vols.; Archives of Municipal records and local press; Dir. Dr. PEDRO VOLTES; publs. include *Divulgación Histórica de Barcelona, Estudios y Documentos, Cuadernos de Historia Económica de Cataluña*†, etc.

Real Sociedad Arqueológica Tarraconense (*Archaeological Society*): Plaza del Rey 1, Apdo. 573, Tarragona; f. 1844; Iberian, Roman and early Christian archaeology; ancient, medieval, modern and contemporary history of Tarragona; 498 mems.; library of 900 vols.; Pres. JAIME NIN ALEGRET; Sec. ELISEO A. SOLER ALVAREZ; Dir. PEDRO BATLLE HUGUET; publ. *Boletín Arqueológico* (quarterly).

Real Sociedad Geográfica (*Royal Geographical Society*): Calle de Valverde 22, Madrid 13; f. 1876; geography and earth sciences; 400 mems.; library of 6,200 vols. and 8,500 booklets; Pres. Dr. JOSÉ MARÍA TORROJA MENÉNDEZ; Perm. Sec. Dr. Ing. FRANCISCO VÁZQUEZ MAURE; publ. *Boletín*† (annually).

Servicio de Investigación Prehistórica de la Excelentísima Diputación Provincial (*Prehistoric Research Society of the Province of Valencia*): Caballeros 2, Valencia; f. 1927; palaeolithic, neolithic, Bronze and Iron Ages, Iberian and colonial exhibits, Prehistoric Americana; 8 mems.; specialized library of over 19,000 vols.; Dir. DOMINGO FLETCHER VALLS; publs. *La Labor de S.I.P. y su Museo*†, *Trabajos Varios*†, *Archivo de Prehistoria Levantina*†.

Societat Arqueològica Lul-liana (*Archaeological Society*): Montesión 29, Palma de Mallorca, Balearic Is.; f. 1880; 300 mems.; library of 20,000 vols.; museum; Pres. NICOLÁS MORELL COTONER; Sec. BARTOLOMEU PASTOR; publ. *Boletín* (annual).

INTERNATIONAL CULTURAL INSTITUTES

British Council (*El Consejo Británico*): Calle Almagro 5, Madrid 4; Rep. G. R. SANDERSON; Calle Amigo 83, Barcelona 6; Dir. P. A. HARRISON.

British Institute: Calle Amigo 83, Barcelona 6; f. 1944; provides adult English classes; 1,600 students; library of 16,000 vols.; Dir. P. A. HARRISON.

Casa de Velázquez: Ciudad Universitaria, Madrid 3; f. 1928; French school for research into all aspects of Iberia; grants senior fellowships to French artists or scholars to work in Spain; 34 mems.; library of 70,000 vols.; Dir. FRANÇOIS CHEVALIER; Sec.-Gen. JEAN-PAUL LE FLEM; Librarian JOËL GUÉRIN; publs. *Mélanges*†, *Publications, Recherches en Sciences Sociales, Recherches en Archéologie.*

Centro Iberoamericano de Cooperación (*Ibero-American Cultural Centre*): Avenida de los Reyes Católicos s/n, Ciudad Universitaria, Madrid 3; f. 1946; promotes cultural understanding between Spain and America by organizing conferences, congresses, cultural exhibitions and exchanges, exchanges between university teachers, help for students; information department and department of technical co-operation; centre for Latin American legal studies; Christopher Columbus Council co-ordinates activities concerned with the discovery of America; radio, cinema and theatre unit; large library open to students; Spanish Library: *see* Libraries; Pres. H.R.H. ALFONSO DE BOURBON-DAMPIERRE, Duque de Cádiz; Dir. JUAN IGNACIO TENA YBARRA; Sec.-Gen. CARLOS ABELLA; publs. include *Cuadernos Hispanoamericanos* (monthly), *Mundo Hispánico* (monthly).

Dirección General de Relaciones Culturales (*Cultural Relations Department*): Ministerio de Asuntos Exteriores, Plaza de la Provincia 1, Madrid 12; f. 1926; exhibitions, exchange of professors and lecturers, scholarships, etc.; Dir.-Gen. ANTONIO POCH G. DE CAVIEDES; publs. *Indice Cultural Español* (in English, French and Spanish).

Instituto Alemán: Calle Zurbarán 21, Madrid 4; f. 1957; Dir. ECKART PLINKE.

Instituto Alemán: Avda. José Antonio 591, Barcelona 7; f. 1955; library of 11,800 vols.; Dir. H. P. HEBEL.

Instituto de Estudios Norteamericano (*American Cultural Institute*): P.O.B. 12138, Barcelona.

Institut Français (*French Institute*): Marqués de la Ensenada 10, Madrid; Dir. E. POMMIER; also at Barcelona, Bilbao, San Sebastián, Seville, Valencia, Zaragoza.

Instituto Hispano-Arabe de Cultura (*Spanish-Arabic Cultural Institute*): Paseo de Juan XXIII 5, Madrid 3; cultural activities, conferences, etc.; Dir. FRANCISCO UTRAY; publ. *Arabismo* (every 2 months).

Istituto Italiano di Cultura (*Italian Cultural Institute*): Pasaje Méndez Vigo 5, Barcelona; refounded 1947; library of 9,433 vols.; Dir. Dr. FERNANDO CARUSO.

Istituto Italiano di Cultura: Calle Mayor 86, Madrid; library of 18,675 vols.; Dir. Prof. LUIGI FERRARINO.

LANGUAGE AND LITERATURE

Asociación de Escritores y Artistas Españoles (*Writers' and Artists' Association*): Calle de Leganitos 10, Madrid 13; f. 1872; 600 mems.; library of 3,000 vols.; Pres. MARQUÉS DE LOZOYA; Sec. JOSÉ GUTIÉRREZ-RAVE MONTERO.

Instituto Aula de "Mediterráneo": Universidad de Valencia; f. 1942; 545 mems.; Dir. Dr. F. SÁNCHEZ-CASTAÑER; publ. *Mediterráneo, Unión de Literatura* (quarterly).

Instituto de Estudios Islámicos (*Institute of Islamic Studies*): Francisco de Asís Méndez Casariego 10, Madrid 2; f. 1950; 6 mems.; library of 10,500 vols.; Dir. EZZELDIN M. HAMOUDA; Arabic Sec. MOHAMED AREF KHAIRY; Spanish Sec. Dr. MERCEDES GONZALEZ MÁS; publ. *Revista del Instituto* (annually).

Instituto Nacional del Libro Español (I.N.L.E.) (*National Institute of Spanish Books*): Santiago Rusiñol 8, Madrid 3; f. 1939; Dir. ALFREDO TIMERMANS; publs. *El Libro Español* (monthly), *Catálogo de Libros Infantiles y Juveniles, Catálogo de Libros y Material de Enseñanza, Catálogo de Libros en Gallego, Catálogo de Libros en Catalán, Libros Españoles ISBN, Quien es quien en las Letras Españolas, Guía de Editores y de Libreros.*

Oficina Internacional de Información y Observación del Español: Avda. de los Reyes Católicos 3, Madrid 3; f. 1963; Pres. JOSÉ MANUEL RIVAS SACCONI; Sec.-Gen. MANUEL CRIADO DE VAL; publ. *Español Actual.*

Seminario de Filología Vasca "Julio de Urquijo" (*"Julio de Urquijo" Seminary of Basque Philology*): Palacio de la Diputación de Guipúzcoa, San Sebastián; f. 1953 to encourage the use and scientific study of the Basque language; attached to the University of Bilbao; Dir. LUIS MICHELENA; publ. *Anuario.*

Sociedad General de Autores de España (*General Society of Spanish Authors*): Fernando VI 4, Apdo. 484, Madrid 4; f. 1932; library of 22,000 vols., relating to the theatre and cinema only; Pres. Federico Moreno-Torroba; Sec.-Gen. Carlos Galiano de Prados; publ. *Boletín* (quarterly).

Medicine

Consejo General de Colegios Médicos de España (*General Council of Medical Colleges*): Villanueva 11, Madrid; f. 1930; 21 mems.; Pres. Alfonso de la Fuente Chaos; publs. *Boletín Formativo e Informativo* (monthly) and *Medicina de España*.

Consejo General de Colegios Oficiales de Farmacéuticos (*General Council of Official Colleges of Pharmacists*): Villanueva 11-4°, Madrid 1; f. 1942; 13,500 mems.; Pres. Ernesto Marco Cañizares; publ. *Boletín de Información*.

Instituto Antituberculosis "Francisco Moragas" (*Antituberculosis Institute*): Paseo de San Juan 20, Barcelona 10; f. 1932; library of 7,072 vols., 73 periodical publs.; Dir. Dr. Eudaldo Xalabarder; publ. *Publicaciones del Instituto*† (annually).

Instituto Español de Hematología y Hemoterapia (*Institute of Haematology and Haemotherapy*): Gral. Oraá 15, Madrid; f. 1940; Dir. Dr. Carlos Elósegui; publ. *Anales*.

Instituto Llorente (*Institute of Medicine*): Ferraz 9, Madrid; f. 1894; library of 1,500 vols.; Dir. Dr. Gabriel Megías; publs. *Anales*, monographs.

Instituto Nacional de Medicina y Seguridad del Trabajo (*National Institute of Medicine and Safety*): Pabellón 8, Facultad de Medicina, Ciudad Universitaria, Madrid 3; Dir. Prof. Manuel Bermejillo Martínez.

Instituto Nacional de Reeducación de Inválidos (*National Institute for Retraining Physically Handicapped*): Finca de Vista-Alegre, Madrid 25; f. 1922; Dir. Agustín Lozano Azulas; publs. booklets and films.

Sociedad Española de Patología Digestiva y de la Nutrición (*Society of Digestive and Nutritional Diseases*): Almagro 38, Madrid; f. 1933; 800 mems.; Pres. Dr. Heliodoro G. Mogena; publ. *Revista Española de las Enfermedades del Aparato Digestivo y de la Nutrición*.

Sociedad Española de Radiología y Electrología Médicas y de Medicina Nuclear (*Society of Radiology, Electrology and Nuclear Medicine*): Villanueva 11, Madrid 1; f. 1946; 1,000 mems., 209 founder mems.; Pres. Dr. César S. Álvarez Pedrosa; publ. *Radiología*† (2 a month).

Sociedad de Pediatría de Madrid y Región Centro (*Paediatrics Society of Madrid and the Central Region*): Villanueva 11, Madrid 1; f. 1913; 750 mems.; Pres. Dr. J. A. Velasco Collazo; Sec.-Gen. J. M. Aparicio Meix; publ. *Boletín* (2 a month).

Natural Sciences

General

Asociación Española para el Progreso de las Ciencias (*Spanish Association for the Advancement of Science*): Calle de Valverde 24, Madrid; f. 1908; Pres. Prof. Manuel Lora-Tamayo; Sec. Prof. José M. Torroja; publ. *Las Ciencias* (4 times yearly).

Sociedad de Ciencias "Aranzadi": Museo de San Telmo, Plaza de I. Zuloaga, San Sebastián; f. 1947; to encourage interest in the various branches of natural science, prehistory and ethnology; 1,893 mems.; Pres. Antonio Vega de Seoane; Sec. José Angel Irigaray; publs. *Munibe* (quarterly), *Eusko-Folklore* (annually), *Aranzadiana*. .

Biological Sciences

Institut Botànic de Barcelona (*Botanical Institute*): Parc de Montjuïc, Avinguda dels Muntanyans, Barcelona 4; f. 1906; 8 mems.; library of 6,000 vols.; Dir. Dr. O. de Bolòs; publ. *Collectanea Botanica*†. (*See* under Museums—Barcelona.)

Patronato de Biología Animal: Embajadores 68, Madrid 12; f. 1933; library of 5,500 vols.; 300 periodicals; Dir. Dr. Angel Campano Lopez; Sec. Dr. Rafael Díaz Montilla; publ. *Revista* (quarterly).

Real Sociedad Española de Historia Natural (*Royal Spanish Natural History Society*): Museo Nacional de Ciencias Naturales, Paseo de la Castellana, Madrid 6; Pres. Prof. José Ma. Fúster; Sec. Prof. Francisco Haez-Pacheco; publ. *Boletín* (quarterly).

Mathematics

Real Sociedad Matemática Española (*Royal Spanish Mathematical Society*): Serrano 123, Madrid; f. 1911; 450 mems.; Pres. Prof. José Javier Etayo Miqueo; Sec. Gonzalo Calero Rosillo; publs. *Revista Matemática Hispano-Americana, Revista Gaceta Matemática*.

Physical Sciences

Asociación Nacional de Químicos de España (*National Association of Chemists*): Lagasca 83, 1° Madrid 6; f. 1945; 6,000 mems.; a member of the International Federation of Mediterranean Associations; Pres. Juan F. García de la Banda; Sec. German Domínguez Rodríguez; publs. *Química e Industria* (monthly), technical and professional works.

Real Sociedad Española de Física y Química (*Royal Spanish Society of Physics and Chemistry*): Facultad de Ciencias, Ciudad Universitaria, Madrid 3; f. 1903; Pres. José Miguel Gamboa Loyarte; Sec.-Gen. A. Tiemblo Ramos; publ. *Anales* (monthly, in 2 parts: physics, chemistry).

Servicio Meteorólogico Nacional (*National Meteorological Service*): Ciudad Universitaria, Apdo. 285, Madrid; f. 1887; library of 19,500 vols., 2,000 reports; 511 mems., 4,500 correspondents; Dir. Inocencio Font Tullot; Dir. of Central Office Manuel Palomares Casado; 4,500 stations; publs. *Boletín diario, Boletín mensual climatológico, Resúmenes anuales, Calendario Meteorofenológico*.

Sociedad Astronómica de España y América (*Astronomical Society of Spain and America*): Avda. del Generalísimo 377, Barcelona; f. 1911; 250 mems.; library of 2,800 vols.; lectures, courses, etc.; Acting Pres. Dr. Joseph M. Codina-Vidal; Sec. Antonio Paluzie-Borrell; publs. *Urania* (quarterly), *Suplemento de Urania* (twice monthly).

Unión Nacional de Astronomía y Ciencias Afines (*National Union of Astronomy and Related Sciences*): Pabellón de Matemáticas, Cuidad Universitaria, Madrid; f. 1946; Sec. Rev. A. Romaña, s.j.; publs. *Urania*† (2 a year), with Soc. Astronómica de España y América), Affiliations: *Observatorio Geofísico de Cartuja* (Granada), *Observatorio de Física Cósmica del Ebro, Observatorio Astronómico de la Univ. de Santiago, Seminaro de Astronomía y Geodesia de la Univ. de Madrid*.

Philosophy and Psychology

Instituto Nacional de Psicología Aplicada y Orientación Profesional (*National Institute of Applied Psychology and Vocational Guidance*): C. Juan Huarte de San Juan, Ciudad Universitaria, Madrid 3; f. 1927; 86 mems.; library of 9,700 vols.; Dir. Rafael Gutiérrez Benito; Sec. (vacant); publ. *Revista de Psicología General y Aplicada* (6 a year).

Religion, Sociology and Anthropology

Federación Española de Religiosos de Enseñanza (FERE) (*Spanish Federation of Religious Teaching*): Conde de Peñalver 45, Apdo. 1267, Madrid; f. 1958; groups all the centres of elementary, secondary and higher education of the Catholic Church; there are 3,000 centres; library specializing in psychology and pedagogy containing 2,000 vols.; Pres. R.P. Laureano Suárez Díez, sch.p.;

Sec. José Barrena Fernandino; publs. *Educadores* (*Teachers' Review*) (bi-monthly), *Boletín de la FERE* (monthly).

Instituto de Estudios Africanos (*Institute of African Studies*): Castellana 5, Madrid 1; f. 1945; 20 mems.; Dir. Eduardo Blanco Rodríguez; Sec. Joaquín Ventura Bañares; publs. *Africa* (monthly), *Colleción Monográfica Africana* (irregular).

Instituto de Estudios Asturianos (*Institute of Asturian Studies*): Plaza de Porlier 5, Oviedo; f. 1946; 50 mems.; Dir. Teodoro López-Cuesta Egocheaga; publs. *Boletin*, related works.

Institut d'Estudis Catalans (*Institute of Catalan Studies*): Carrer de París 150, Apartat 1146, Barcelona; f. 1907; first installed in the Palau de la Generalitat, 1932 in the ancient Casa de Convalescència of the Hospital de la Santa Creu, in 1963 in the Palau Dalmases; Pres. Josep Alsina i Bofill (1976–78); Sec.-Gen. R. Aramon i Serra; publs. *Anuari*, *Memòries de la Secció Històrico-Arqueològica*, *Arxius de la Secció de Ciencies*, *Butlletí de Dialectologia Catalana*, *Estudis Romànics Biblioteca Filològica*, *Treballs de la Secció de Filosofia i Ciències Socials*, *Flora i Fauna de Catalunya*, *Butlletí de la Biblioteca de Catalunya*, *Publicacions del Departament de Música de la Biblioteca de Catalunya*, *Estudis d'Historia Medieval*, *Treballs de la Societat Catalana de Biologia*, related works.

MEMBERS:

History and Archaeology Section:
President: Rubió, Jordi
Ainaud de Lasarte, Joan
Coll i Alentorn, Miquel
Font i Rius, Josep M.
Giralt, Emili.
Mundó Anscari M.
Tarradell, Miquel

Philological Section:
President: Bohigas, Pere
Aramon i Serra, Ramon
Casacuberta, Josep M. de
Coromines, Joan
Foix, J. V.
Moll, Francesc de B.
Sanchis i Guarner, Manuel

Associates:
Badia i Margarit, A. M.
Bastardas, Joan
Carbonell, Jordi

Science Section:
President: Esteve i Subirana, Antoni
Alsina i Bofill, Josep
Bolòs, Oriol de
Domingo, Pere
Solé i Sabarís, Lluís
Texidor i Batlle, Josep
Trueta, Josep

Associate:
Casassas, Enric

Philosophy and Social Science Section:
President: Faus, Ramon
Colomer, Eusebi
Noguera de Guzman, Raimon
Sardà i Dexeus, Joan
Trias i Fargas, Ramon
Vila, Pau

Corresponding members in Spain, 28; foreign, 56.

AFFILIATED SOCIETIES:

Institució Catalana d'Història Natural.
Societat Catalana de Biologia.
Societat Catalana de Ciències Físiques, Químiques i Matemàtiques.
Societat Catalana de Geografia.
Societat Catalana d'Estudis Històrics.
Societat Catalana d'Estudis Jurídics, Econòmics i Socials.
Societat Catalana d'Estudis Litúrgics.
Societat Catalana de Musicologia.
Biblioteca de Catalunya: library of 400,000 vols.

Instituto de Estudios Ibéricos y Etnología Valenciana (*Institute of Iberian Studies and Valencian Ethnology*): Diputación Provincial, Caballeros 2, Valencia; f. 1950; Spanish mems. 22, foreign mems. 5; Dir. Prof. Dr. Julian San Valero Aparisi; Sec. Prof. José Cano Marqués; publs. *Estudios Ibéricos* (4 vols.), *Etnología Valenciana* (4 vols.).

Institución "Fernando el Católico" de la Excma. Diputación Provincial (C.S.I.C.): Palacio Provincial, Plaza de España, Zaragoza; f. 1943; Sections: Philology, Literature, Art, Archaeology and Numismatics, Folklore, History, Medicine. Geography, Economic and Social Studies, Exhibitions and Films, Architecture, Culture, Religion and Agricultural Studies; Pres. Gaspar Castellano y de Gaston; Dir. Angel Canellas López; Sec. Antonio Serrano Montalvo; Council of 12 representing the Church, University, Municipality, Information and Tourist Office, Amigos del País, collaborate in archaeological explorations; library of 47,000 vols.; mems.: 30 ordinary, 11 ex-officio, 31 hon., 69 corresp.; includes the Colegio de Aragón; Dean Luis Jordana de Pozas; 40 mems.; periodical publs. *Archivo de Filología Aragonesa*†, *Cesaraugusta*†, *Seminario de Arte Aragonés*†, *Archivos de Estudios Médicos Aragoneses*, *Cuadernos de Historia "Jerónimo Zurita"*†, *Zaragoza*†, *Cuadernos de Aragón*†, *Temas aragoneses*†, *Nueva colección monográfica*†, *Estudios Pedagógicos*†.

Real Sociedad Vascongada de los Amigos del Pais (*Royal Society of Friends of the Basque Country*): Museo de San Telmo, San Sebastián; f. 1764, the first of such societies in Spain; 24 mems.; organized Museo de San Telmo and Museo Naval, also Conservatorio Municipal de Música; f. Editorial Guipuzcoana de Ediciones y Publicaciones, Books in Basque and Biblioteca Vascongada de los Amigos del País, collaborated in archaeological exploration of the pre-historic cave dwellings of the district; is the Guipuzcoan Office of the Consejo Superior de Investigaciones Científicas, Madrid (*see* below); Dir. Alvaro del Valle de Lersundi; publs. *Boletín* (quarterly), *Egan* (literary supplement), *Muñibe* (natural sciences supplement), *Boletín de la Confradía Vasca de Gastronomía*, *Boletín de Estudios Históricos sobre San Sebastián* (annual), *Anuario de Eusko-Folklore Aranzadiana Orria*.

Seminario de Historia Primitiva (*Seminary of Primitive Cultures*): Jorge Juan 51, Madrid; f. 1939; affiliated to UNESCO; library of 31,517 vols. and 513 periodicals; Museum of prehistoric and ethnological exhibits from Spain, Sudan, Morocco, Iran and the Sahara and Islamic pottery to 13th century (Dir. Bernardo Sáez Martin); brs. in Universities of La Laguna (Canary Islands) (Dir. Prof. Dr. E. Serra Ráfols), Santiago (Dir. Prof. Dr. C. Alonso Del Real), and Valencia (Dir. Prof. Dr. J. San Valero Aparisi); Dir. Prof. Dr. Julio Martínez Santa-Olalla; publs. *Cuadernos de Historia Primitiva* (half-yearly), *Disertaciones Matritenses*, *Notas*, *Monografías*.

Sociedad Española de Antropología, Etnografía y Prehistoria (*Spanish Society of Anthropology, Ethnography and Prehistory*): Apdo. 1014, Madrid; f. 1921; 543 mems.; library 7,050 vols. and 217 journals; Pres. José Luis de Arrese; Vice-Pres. Manuel Maura Salas; Sec. (Life) Dr. Julio Martínez Santa-Olalla; publs. *Actas y Memorias*, related works.

TECHNOLOGY

Colegio Oficial de Ingenieros Industriales de Cataluña: Vía Layetana 39; 4,684 mems.; is an association of engineergraduates of the School of Industrial Engineers of Barcelona; Pres. and Dean Joan Majó Cruzate; Sec. Pere Comas Valls.

Junta de Energía Nuclear: Ciudad Universitaria, Avenida Complutense 22, Madrid 3; f. 1951; controls and directs research and study in all application of nuclear energy to national purposes; 2,225 mems.; library of 24,055 vols., 44,876 reports, 197,228 microcards, 910 periodicals; Pres. Jesús Olivares Baque; Vice-Pres. and Gen. Man. Francisco Pascual Martínez; Technical Sec.-Gen. Manuel López Rodríguez; publs.† *Energía Nuclear* (every 2 months), and JEN reports.

Instituto de Ingenieros Civiles de España (*Institute of Civil Engineers*): General Goded 38, Madrid 4; f. 1905; 17,000 mems.; comprises 9 associations of higher engineers and the *Aula de Ingeniería* (training centre), offering courses, seminars, etc. for post-graduate students; Dir. Julio Aragonés.

RESEARCH INSTITUTES

(*see* also under Universities)

Consejo Superior de Investigaciones Científicas (C.S.I.C.) (*Council for Scientific Research*): Headquarters: Serrano 117, Madrid 6; f. 1940; the Council aims to develop, direct and co-ordinate research mainly in the fields of science and technology, through its own research Institutes throughout the country; it also sponsors some university research. The Council has 1,218 research workers and 5,000 technical and auxiliary personnel; it has its own editorial department which has published about 6,200 books and 100 periodicals; library of 197,000 vols.; several specialized libraries.

President: Iñigo Cavero.
Executive President: Carlos Sánchez Del Río.
Vice-Presidents: José Luis Cánovas, José Luis Mateo.
Secretary-General: Lucio Rafael Soto.
Director of Libraries: David Torra.

Constituent Institutes:

Mathematics

Instituto de Matemáticas "Jorge Juan": Serrano 123, Madrid 6.
Seminario Matemático (Universidad de Barcelona): Facultad de Ciencias, Avda. José Antonio 585, Barcelona 7.
Seminario Matemático (Universidad de Salamanca): Facultad de Ciencias, Salamanca.
Seminario Matemático (Universidad de Santiago): Facultad de Ciencias, Santiago de Compostela.
Seminario Matemático (Universidad de Zaragoza): Facultad de Ciencias, Ciudad Universitaria de Aragón, Zaragoza.

Operative and Statistical Research

Instituto de Investigación Operativa y Estadística: Serrano 123, Madrid 6.

Astronomy

Departamento de Mecánica y Astronomía (Universidad Complutense): Facultad de Ciencias, Cátedra de Astronomía, Madrid 3.

Physics

Instituto de Física de Materiales: Serrano 144, Madrid 6.
Instituto de Física del Estado Sólido: Facultad de Ciencias, Universidad Autónoma "Canto Blanco", Madrid 34.
Instituto de Estructura de la Materia: Serrano 119, Madrid 6.
Departamento de Física Fundamental (Universidad de Zaragoza): Facultad de Ciencias, Universidad de Zaragoza.
Departamento de Física Fundamental (Universidad de Valladolid): Facultad de Ciencias, Universidad de Valladolid.
Instituto de Física Corpuscular (Universidad de Valencia): Facultad de Ciencias, Paseo del Mar 13, Valencia 10.

Electricity and Electronics

Instituto de Electrónica de Comunicaciones: Serrano 144, Madrid 6.
Centro de Física Aplicada "Leonardo Torres Quevedo": Serrano 144, Madrid 6.

Optics

Instituto de Optica "Daza de Valdés": Serrano 121, Madrid 6.

Acoustics

Instituto de Acústica: Serrano 144, Madrid 6.

Automatics and Informatics

Instituto de Electricidad: Facultad de Ciencias, Universidad Complutense, Madrid 3.
Instituto de Automática Industrial: Km. 22, 800 Carretera Madrid-Valencia, Arganda del Rey.
Instituto de Cibernética: Diagonal 647, 2a planta, Barcelona 14.

Astrophysics

Instituto de Astrofísica de Andalucia: Oficios 16, Apdo. 2. 144, Granada.
Instituto de Astrofísica de Canarias: Facultad de Ciencias, Universidad de La Laguna (Tenerife).
Departamento de Física de la Tierra y del Cosmos (Universidad de Barcelona): Facultad de Física, Avda. Generálísimo Franco 647, Barcelona 14.

Physical Chemistry

Instituto de Química Física "Rocasolano": Serrano 119, Madrid 6.
Departamento de Investigaciones Químicas (Univ. Autónoma de Madrid): Facultad de Ciencias, Canto Blanco, Madrid 34.
Departamento de Investigaciones Químicas (Universidad de Valladolid): Facultad de Ciencias, Valladolid.

Inorganic Chemistry

Instituto de Química Inorgánica "Elhuyar": Serrano 113, Madrid 6.
Departamento de Química Analítica (Universidad Complutense): Facultad de Ciencias, Ciudad Universitaria, Madrid 3.
Departamento de Química Inorgánica (Universidad de Zaragoza): Facultad de Ciencias, Zaragoza.
Departamento de Química Analítica (Universidad de Murcia): Facultad de Ciencias de Murcia.
Departamento de Investigaciones Físicas y Químicas de la Universidad de Sevilla: Facultad de Ciencias, Sevilla.
Departamento de Investigaciones Químicas (Universidad de Granada): Facultad de Ciencias, Granada.

Organic Chemistry

Instituto de Química Orgánica General: Juan de la Cierva 3, Madrid 6.
Instituto de Productos Naturales Orgánicos de La Laguna: Carretera de la Esperanza 2, La Laguna, Tenerife.

Instituto de Química Orgánica Aplicada de Cataluña: Jorge Girona Salgado s/n, Barcelona 17.
Departamento de Química Macromolecular: E.T.S.I.I. Avda. Diagonal 999, Barcelona 14.
Departamento de Investigaciones Químicas (Universidad de Salamanca): Facultad de Ciencias, Salamanca.
Centro Nacional de Química Orgánica: Juan de la Cierva 3, Madrid 6.

Applied Chemistry

Instituto de Catálisis y Petroleoquímica: Serrano 119, Madrid 6.
Instituto de Plásticos y Caucho: Juan de la Cierva 3, Madrid 6.
Instituto de Carboquímica (Zaragoza): Plaza del Paraíso 1, Zaragoza 5.
Instituto de Química Médica: Juan de la Cierva 3, Madrid 6.

Other Specialities

Instituto Químico de Sarriá (Barcelona): Instituto Químico de Sarriá s/n, Barcelona 17.
Departamento de Investigaciones Químicas (Universidad de Santiago): Facultad de Ciencias, Santiago de Compostela.
Departamento de Investigaciones Químicas Farmaceúticas (Universidad de Santiago): Facultad de Farmacia, Santiago de Compostela.

Geology

Instituto "Lucas Mallada" de Investigaciones Geológicas: Paseo de la Castellana 84, Madrid 6.
Instituto "Jaime Almera" de Investigaciones Geológicas: Avda. José Antonio 585, Barcelona 7.
Departamento de Geología Económica: Facultad de Ciencias, Universidad Complutense, Madrid 3.
Departamento de Investigaciones Geológicas (Universidad de Granada): Facultad de Ciencias, Granada.
Departamento de Investigaciones Geológicas (Universidad de Oviedo): Facultad de Ciencias, Oviedo.
Departamento de Investigaciones Geológicas (Universidad de Salamanca): Facultad de Ciencias, Salamanca.

Geophysics

Observatorio de Física Cósmica del Ebro: Roquetas, Tortosa, Tarragona.
Instituto Nacional de Geofísica: Serrano 123, Madrid 6.

Museum

Museo Nacional de Ciencias Naturales: Paseo Castellana 84, Madrid 6.

Hydrology

Instituto de Hidrología: Paseo Bajo Virgen del Puerto 3, Madrid 3.

Chemical and Related Technology

Instituto de Tecnología Química y Textil (Barcelona): Jorge Girona Salgado s/n, Barcelona 17.
Instituto Nacional del Carbón "Francisco Pintado Fe": La Coredoria s/n, Oviedo.
Centro de Investigaciones del Agua: Km. 22,800 Carretera Madrid-Valencia (Arganda).
Instituto de Ingeniería Química y Desarrollo de Procesos: Serrano 117, Madrid 6.
Centro de Investigación y Desarrollo (Barcelona): Zona Universitaria de Pedralbes, Barcelona.

Metallurgy

Centro Nacional de Investigaciones Metalúrgicas: Ciudad Universitaria, Madrid 3.

Construction

Instituto de Cerámica y Vidrio: Km. 24,300 Carretera Madrid-Valencia (Arganda del Rey).
Instituto de la Construción y del Cemento "Eduardo Torroja": Costillares (Chamartín de la Rosa), Madrid 33.

Molecular Biology

Instituto de Biología del Desarrollo: Velázquez 144, Madrid 6.
Instituto de Biología Molecular: Universidad Autónoma Canto Blanco, Madrid 34.
Instituto de Bioquímica de Macromoléculas: Velázquez 144, Madrid 6.
Instituto de Biofísica y Neurobiología: San Antonio María Claret 171, Barcelona 13.
Centro de Biología Molecular "Severo Ochoa": Universidad Autónoma "Canto Blanco", Madrid 34.

Cellular Biology

Instituto de Biología Celular: Velázquez 144, Madrid 6.
Instituto de Investigaciones Citológicas: Amadeo de Saboya 4, Valencia 10.
Departamento de Investigaciones en Biología Fundamental (Barcelona): San Antonio Maria Claret 171, Barcelona 13.
Centro de Investigaciones Biológicas: Velázquez 144, Madrid 6.

Immunology and Microbiology

Instituto de Inmunología y Biología Microbiana: Velázquez 144, Madrid 6.
Instituto "Jaime Ferrán" de Microbiología: Joaquín Costa 32, Madrid 6.
Instituto de Investigaciones Médicas Fundación "Jiménez Díaz": Avda. Reyes Católicos 2, Madrid 3.

Anthropology and Genetics

Instituto de Genética: Velázquez 144, Madrid 6.
Departamento de Investigaciones Antropológicas y Genéticas de Barcelona: Facultad de Ciencias, Barcelona 7.

Biochemistry

Instituto de Enzimología y Patología Molecular: Universidad Autónoma, Arzobispo Morcillo s/n, Madrid 34.
Instituto de Microbiología Bioquímica (Salamanca): Facultad de Ciencias, Salamanca.
Departamento de Bioquímica: Facultad de Farmacia, Universidad Complutense, Madrid 3.
Departamento de Bioquímica: Facultad de Ciencias Químicas, Universidad Complutense, Madrid 3.
Departamento de Bioquímica (Sevilla): Facultad de Ciencias, Universidad de Sevilla.
Departamento de Bioquímica Clínica: Avda. Flor de Maig s/n, Cerdanyola, Barcelona.
Departamento de Bioquímica Oncológica: Instituto Nacional de Oncología, Ciudad Universitaria, Madrid 3.

Histology and Anatomy

Instituto "Santiago Ramón y Cajal": Velázquez 144, Madrid 6.
Departamento de Anatomia: Facultad de Medicina, Paseo Calvo Sotelo 2, Zaragoza.
Instituto de Investigaciones "Federico Oloriz Aguilera": Facultad de Medicina, Universidad de Granada.
Departamento de Anatomia (Salamanca): Facultad de Medicina, Fonseca 2, Salamanca.
Departamento de Anatomia y Patología Médica (Universidad Valencia): Facultad de Medicina, Paseo del Mar 17, Valencia 10.
Departamento de Biofísica: Joaquín Costa 32, Madrid 6.

Pharmacology

Departamento de Farmacología y Terapeútica: Facultad de Medicina 143, Barcelona 11.
Departamento de Farmacología Aplicada (Barcelona): Jorge Girona s/n, Barcelona 17.
Departamento de Farmacología y Toxicología: Facultad de Medicina, Universidad Complutense, Madrid 3.
Instituto de Medicina Experimental: Facultad de Medicina, Pabellón II, Universidad Complutense, Madrid 3.

Departamento de Investigaciones Oncológicas: Maiquez 7, Madrid 9.

Departamento de Investigaciones Neonatológicas Perinatales: O'Donnell 55, Madrid 9.

Instituto de Investigaciones Clínicas: Facultad de Medicina, Fonseca 2, Salamanca.

Departamento de Investigaciones Médicas: Facultad de Medicina, Granada.

Departamento de Cancerología Experimental: Hospital Clínico, Ciudad Universitaria, Madrid 3.

Departamento de Investigaciones Médicas (Universidad de Navarra): Facultad de Medicina, Universidad de Navarra, Pamplona.

Departamento de Patología Comparada: Facultad de Veterinaria, Universidad Complutense, Madrid 3.

Physiology

Instituto "Gregorio Marañón": Velázquez 144, Madrid 6.

Departamento de Bioquímica y Fisiología, Salamanca: Facultad de Ciencias, Universidad de Salamanca.

Departamento de Investigaciones Fisiológicas (Universidad de Navarra): Universidad de Navarra, Pamplona.

Departamento de Fisiología y Bioquímica (Universidad de Granada): Facultad de Medicina, Granada.

Departamento de Fisiopatología de la Reproducción Humana (Universidad Complutense): Hospital Clínico 5a planta, Madrid 3.

Departamento de Especialidades Médicas (Granada): Facultad de Medicina, Granada.

Botany

Instituto de Botánica "Antonio J. de Cavanilles": Plaza de Murillo 2, Madrid 14.

Jardín Botánico (Madrid): Plaza de Murillo 2, Madrid 14.

Instituto Botánico Municipal (Barcelona): Avda. de Montañals, Parque de Montjuich, Barcelona 4.

Zoology

Instituto de Zoología "José de Acosta": Paseo de la Castellana 84, Madrid 6.

Instituto Español de Entomología: Paseo de la Castellana 84, Madrid 6.

Instituto de Biología Aplicada (Barcelona): Facultad de Ciencias, Universidad de Barcelona.

Parasitology

Instituto de Parasitología "López Neyra" (Granada): Ventanilla 11, Granada.

Experimental Biology Stations

Estación Biológica de "Doñana" (Sevilla): Paraguay 1, Sevilla 12.

Centro Pirenaico de Biología Experimental (Jaca): Avda. del Regimiento de Galicia s/n, Jaca (Huesca).

Instituto de Aclimatación (Almería): General Segura 1, Almería.

Estación de Biología Alpina "El Ventorrillo": Kilómetro 55 de la Carretera Madrid-Segovia.

Reserva integral del "Coto de Doñana" (Huelva): Palacio del Coto de Doñana", Almonte (Huelva).

Centro de Rescate de la Fauna Sahariana (Almeria): Finca "La Hoya", Almería.

Estación "Cueva del Ojo de Guareña" (Burgos): D.P.: Museo Ciencias Naturales, Paseo Castellana 84, Madrid 6.

Finca "El Boalar de Jaca" (Huesca): D.P.: Cto. Pirenaico de Biología Experimental, Jaca (Huesca).

Oceanography

Barco oceanográfico "Córnide de Saavedra".

Barco oceanográfico "García del Cid".

Instituto Nacional de Investigaciones Pesqueras (INIV) Barcelona: Paseo Nacional s/n, Barcelona 3.

Marine Biology

INIP Laboratorio de Barcelona: Paseo Nacional s/n, Barcelona 3.

Aquiculture

INIP Laboratorio de Castellón: Monturiol 2, Grao-Castellón.

INIP Laboratorio de Cádiz: Puerto Pesquero, Cádiz.

INIP Laboratorio de Vigo: Muelle de Bouzas, Vigo (Pontevedra).

Laboratorio de Barcelona: Paseo Nacional s/n, Barcelona 3.

Fishery Technology

INIP Laboratorio de Vigo: Muelle de Bouzas, Vigo (Pontevedra).

Aquariums

Acuario de Barcelona: Paseo Nacional s/n, Barcelona 3.

Acuario de Planes: Esplanada del Puerto 15 (Apdo. 15), Blanes, Gerona.

Soils

Instituto de Edafología y Biología Vegetal: Serrano 115 *bis*, Madrid 6.

Centro de Edafología y Biología Aplicada (Salamanca): Cordel de Merinas s/n, Salamanca.

Centro de Edafología y Biología Aplicada del Cuarto: Cortijo del Cuarto, Bellavista, Sevilla.

Centro de Edafología y Biología Aplicada (Santa Cruz de Tenerife): Cabildo Insular, Santa Cruz de Tenerife.

Sección de Edafología de La Palma: Cabildo Insular, Tenerife, Isla La Palma.

Finca "La Higueruela" (Santa Olaya) Toledo: Serrano 115 *bis*, Madrid 6 (provisional).

Finca "Muñobela (Salamanca): Cordel de Merinas s/n, Salamanca.

Finca "Aljarafe "(Sevilla): Cortijo del Cuarto (Bellavista), Sevilla.

Soils and Plants

Estación Experimental "Aula Dei" (Zaragoza): Montañana 177, Zaragoza.

Centro de Investigaciones Agrícolas (Badajoz): Virgen de la Soledad 5, Badajoz.

Departamento de Química Agrícola: Facultad de Ciencias, Universidad Autónoma, Madrid 34.

Finca Experimental de "Aula Dei" (Zaragoza): Montañana 177, Zaragoza.

Plants

Estación Experimental del "Zaidín" (Granada): Professor Albareda 1, Granada.

Centro de Edafología y Biología Aplicada del Segura: Avda. del 18 de julio 1, Murcia.

Instituto de Investigaciones Agrobiológicas de Galicia: Avda. de las Ciencias s/n, Santiago de Compostela.

Misión Biológica de Galicia (Pontevedra): Salcedo-Pontevedra.

Estación Experimental "La Mayora" (Málaga): Algarrobo-Costa, Málaga.

Finca "La Matanza" (Murcia): Avda. 18 de julio 1, Murcia.

Finca "La Mimbre" (Granada): Profesor Albareda 1, Granada.

Finca "Pazo de Gandarón" (Pontevedra): Avda. Ciencias s/n, Santiago de Compostela.

Finca "La Mayora" (Málaga): Algarrobo-Costa, Málaga.

Zoology and Animal Husbandry

Instituto de Alimentación y Producción Animal: Facultad de Veterinaria, Ciudad Universitaria, Madrid 3.

Estación Agrícola Experimental (León): Avda. Facultad Veterinaria 25, León.

Instituto de Economía y Producciones: Facultad de Veterinaria, Zaragoza.

Instituto de Zootecnia (Córdoba): Facultad de Veterinaria, Córdoba.

Departamento de Cirugía y Reproducción (Zaragoza): Facultad de Veterinaria, Zaragoza.
Finca "La Poveda" (Arganda del Rey): Km. 22.800 de la Carretera Madrid-Valencia.
Centro de Investigación y Desarrollo (Santander): Avda. de los Castros s/n, Santander.
Finca "El Espino" (León): c/o Avda. Facultad de Veterinaria 25, León.

Pathology

Instituto de Investigaciones en Patología de las Colectividades Ganaderas: Facultad de Veterinaria, Zaragoza.
Instituto de Investigaciones Veterinarias: Facultad de Veterinaria, Universidad Complutense, Madrid 3.

Food Technology

Instituto de la Grasa y sus Derivados (Sevilla): Avda. Padre García Tejero 4, Sevilla 12.
Instituto de Productos Lácteos: Km. 24.400 Carretera Madrid-Valencia (Arganda del Rey).
Instituto de Industrias Cárnicas: Serrano 117, Madrid 6.
Instituto de Agroquímica y Tecnología de Alimentación Vegetal: Jaime Roig 11, Valencia 10.
Instituto del Frío: Ciudad Universitaria, Madrid 3.
Instituto de Fermentaciones Industriales: Juan de la Cierva 3, Madrid 6.
Planta Piloto Instituto Fermentaciones Industriales (Arganda): Km. 24.400 Carretera Madrid-Valencia.
Centro Experimental de Arganda del Rey: Km. 24.400 Carretera Madrid-Valencia.

Nutrition and Bromatology

Instituto de Nutrición: Fac. de Farmacia, Cátedra Fisiologia Animal, Ciudad Universitaria, Madrid 3.
Departamento de Investigaciones Bromatológicas: Fac. Farmacia, Universidad Complutense, Madrid 3.

Prehistory

Instituto Español de Prehistoria: Serrano 13, Madrid 1.
Departamento de Prehistoria y Arqueología: Egipciacas 15, Barcelona 1.
Servicio de Investigación Prehistorica: Plaza Manises 2, Valencia 3.

Archaeology

Instituto de Arqueología "Rodrigo Caro": Duque de Medinaceli 4, Madrid 14.
Escuela Española de Historia y Arqueología (Roma): Via di Villa Albani 16, Roma.

History of Spain

Instituto de Historia "Jerónimo Zurita": Duque de Medinaceli 4, Madrid 14.
Departamento de Estudios Medievales (Barcelona): Egipciacas 15, Barcelona 1.
Departamento de Historia Moderna (Barcelona): Egipciacas 15, Barcelona 1.
Seminario de Historia Moderna: Universidad de Navarra, Pamplona.
Instituto Histórico de la Marina: Montalbán 2, Madrid 14.
Centro "Marcelino Menéndez Pelayo": Duque de Medinaceli 4, Madrid 14.

History of America

Instituto de Historia Hispanoamericana "Gonzalo Fernández de Oviedo": Duque de Medinaceli 4, Madrid 14.
Escuela de Estudios Hispanoamericanos: Alfonso XII 16, Sevilla 2.

History of Art

Instituto de Arte "Diego Velázquez": Duque de Medinaceli 4, Madrid 14.
Seminario de Estudios de Arte y Arqueología: Facultad de Filosofía y Letras, Universidad de Valladolid.
Instituto de Musicología (Barcelona): Egipciacas 15, Barcelona 1.

Genealogy and Heraldry

Instituto de Genealogía y Heráldica: Duque de Medinaceli 4, Madrid 14.

Numismatics

Instituto de Numismática "Antonio Agustín": Facultad de Filosofía y Letras, Universidad Complutense, Madrid 3.
Sección de Historia Monetaria (Barcelona): Egipciacas 15, Barcelona 1.

History of Science

Instituto de Historia de la Medicina "Arnau de Vilanova": Facultad de Medicina, Universidad Complutense, Madrid 3.

Hispanic Studies

Instituto de Filología Hispánica "Miguel de Cervantes": Duque de Medinaceli 4, Madrid 14.
Departamento de Dialectología y Tradiciones Populares: Duque de Medinaceli 4, Madrid 14.
Departamento de Geografía y Lingüística: Duque de Medinaceli, 4, Madrid 14.
Departamento de Filología Románica (Barcelona): Egipciacas 15, Barcelona 1.

Classics

Instituto de Filología Clásica "Antonio de Nebrija": Duque de Medinaceli 4, Madrid 14.
Departamento de Filología Latina (Barcelona): Egipciacas 15, Barcelona 1.
Sección de Filología Griega y Bizantinística (Barna): Egipciacas 15, Barcelona 1.
Colegio Trilingue (Salamanca): Facultad de Filosofía y Letras, Salamanca.
Institución "Milá y Fontanals" Barcelona: Egipciacas 15, Barcelona 1.

Hebrew Studies

Instituto de Estudios Hebráicos, Sefardies y de Oriente Próximo "Benito Arias Montano": Duque de Medinaceli 4, Madrid 14.
Escuela de Estudios Árabes, Hebráicos y Aramaicos (Barcelona): Egipciacas 15, Barcelona 1.

Arabic Studies

Instituto de Estudios Arabes "Miguel Asín": Hortaleza 104, Madrid 4.
Escuela de Estudios Arabes (Granada): Cuesta del Chapiz 22, Granada.
Casa del Chapiz (Granada): Cuesta del Chapiz 22, Granada.

Theology

Instituto de Teologia "Francisco Suárez": Duque de Medinaceli 4, Madrid 14.

History of the Spanish Church

Instituto de Historia Eclesiástica "P. Enrique Flórez": Serrano 123, Madrid 6.
Departamento de Historia Eclesiástica (Barcelona): Egipciacas 15, Barcelona 1.

Canon Law

Instituto de Derecho Canónico "S. Raimundo de Peñafort: Compañía 1, Salamanca.

Philosophy

Instituto de Filosofía "Luis Vives": Serrano 127, Madrid 6.
Departamento de Filosofía (Barcelona): Egipciacas 5–9, Barcelona 1.
Maioricensis Schola Llullística (Palma de Mallorca): Apartado 17, Palma de Mallorca.

Education

Instituto de Pedagogía "San José de Calasanz": Serrano 127, Madrid 6.
Departamento de Pedagogía Comparada (Barcelona): Egipciacas 15, Barcelona 1.

Economics

Instituto de Economía "Sancho de Moncada": Duque de Medinaceli 4, Madrid 14.

Centro de Estudios Económicos y Sociales (Barcelona): Egipciacas 15, Barcelona 1.

Instituto de Economía Aplicada (Universidad Autónoma): Facultad de Ciencias Económicas y Empresariales, Madrid 34.

Sociology

Instituto de Sociología "Balmes": Duque de Medinaceli 4, Madrid 14.

Agricultural Socio-Economics

Departamento de Economía Agraria: Serrano 113, Madrid 6.

Geography

Instituto de Geografía "Juan Sebastián Elcano": Vitrubio 8, Madrid 6.

Instituto de Geografía Aplicada: Serrano 115 *bis*, Madrid 6.

Departamento de Geografiia de la Institución "Milá y Fontanals": Egipciacas 15, Barcelona 1.

Departamento de Geografía (Universidad de Salamanca): Facultad de Filosofía y Letras, Salamanca.

Departamento de Geografía (Universidad de Valladolid): Facultad de Filosofía y Letras, Valladolid.

Instituto de Geografía Valenciana: Palacio de la Generalidad, Caballeros 2, Valencia 1.

Instituto "Alfonso el Magnánimo": Palacio de la Generalidad, Caballeros 2, Valencia 1.

International Law

Instituto de Derecho Internacional "Francisco de Vitoria": Duque de Medinaceli 4, Madrid 14.

Seminario de Estudios Internacionales "Alvaro Pelayo": Facultad de Derecho, Universidad de Santiago de Compostela.

Civil Law

Instituto de Derecho Administrativo: Alberto Aguilera 13, Madrid 15.

Instituto Nacional de Estudios Jurídicos: Duque de Medinaceli 6, Madrid 14.

Instituto Jurídico Español de Roma: Via de Villa Albani 16, Roma.

Instituto de Derecho Comparado: Egipciacas 15, Barcelona 1.

Regional Law

Ceutro de Estudios de Derecho Aragonés (Zaragoza): Jaime I 18, Zaragoza.

Cultural Anthropology

Centro de Etnología Peninsular: Egipciacas 15, Barcelona 1.

REGIONAL STUDIES:

Galicia

Instituto de Estudios Gallegos "Padre Sarmiento": Franco 1, Santiago de Compostela.

Museo de Pontevedra: Pasantería 12, Pontevedra.

Asturias

Instituto de Estudios Asturianos: Plaza de Polier 5, Oviedo.

León

Institución "Fray Bernardino de Sahagún": Edificio Fierro, Reina s/n, León.

Centro de Estudios e Investigaciones "San Isidoro": Plaza de la Regla 6, León.

Centro de Estudios Salmantinos: Palacio de Garci-Grande, Salamanca.

Institución—Casa Museo de Zorrilla: Fray Luis de Granada s/n, Valladolid.

Institución "Tello Téllez de Meneses": Diputación Provincial, Palencia.

Old Castile

Institución Cultural "Cantabria": Diputación Provincial, Santander.

Institución "Fernán González": Diputación Provincial, Burgos.

Instituto de Estudios Riojanos: Apartado 72, Logroño.

Centro de Estudios Sorianos: Casa de la Cultura, Paseo Doctor Fléming 5, Soria.

Instituto "Diego de Colmenares": Capuchinos Alta 4 y 5, Segovia.

Institución "Gran Duque de Alba": Esteban Domingo 2, Avila.

Basque Provinces

Real Sociedad Vascongada de Amigos del País: Museo de San Telmo, San Sebastián.

Grupo "Aranzadi" de la Real Sociedad Vascongada de Amigos del País: Museo de San Telmo, San Sebastían.

Junta Cultural de Vizcaya: Paseo de la Diputación, Bilbao.

Consejo de Cultura de la Diputación Foral de Alava: Fray Francisco de Vitoria 8, Vitoria.

Navarre

Institución "Principe de Viana": Diputación Foral de Navarra, Pamplona.

Aragon

Instituto de Estudios Oscenses: General Franco 16, Huesca.

Instituto de Estudios Pirenaicos (Jaca): Avda. Regimiento de Galicia s/n, Jaca (Huesca).

Institución "Fernando el Católico": Plaza de España 2, Zaragoza.

Instituto de Estudios Turolenses: Biblioteca, Apartado 77, Teruel.

Catalonia

Instituto de Estudios Ilerdenses: Plaza de la Catedral s/n, Lerida.

Instituto de Estudios Gerundenses: Plaza del Aceite 7, Gerona.

Instituto de Estudios Tarraconenses "Ramón Berenguer IV": Casa de la Cultura, Tarragona.

Balearic Isles

Instituto de Estudios Baleáricos: Diputación Provincial, Palma Mallorca.

Sociedad Arqueológica Luliana: Monte Sión 29, Palma, Mallorca.

Instituto de Estudios Ibicencos: Vía Púnica 2, Ibiza.

Valencia

Institución "Alfonso el Magnánimo": Palacio de la Generalidad, Caballeros 2, Valencia 1.

Centro de Cultura Valenciana: Palacio de la Lonja, Valencia 1.

Sociedad Castellonense de Cultura: Mayor 103, Castellón de la Plana.

Instituto de Estudios Alicantinos: Diputación Provincial, Alicante.

Murcia

Academia "Alfonso X el Sabio: Avda. Alfonso X el Sabio 7, Murcia.

Extremadura

Instituto de Estudios Extremeños: Plaza de Minayo 1, Badajoz.

New Castile

Instituto de Estudios Madrileños: Madrid.

Institución "Marqués de Santillana": Plaza Alférez Provisional, Guadalajara.

Instituto Provincial de Investigaciones y Estudios Toledanos: Diputación Provincial, Toledo.

Instituto de Estudios Visigóticos y Mozárabes: Seminario Mayor Diocesano "San Ildefonso", Toledo.

Instituto de Estudios Manchegos: Diputación Provincial, Ciudad Real.

Andalusia

Instituto de Estudios Onubenses "Padre Marchena": Sor Paula Alzola 8, Huelva.

Instituto de Estudios Gaditanos: Diputación Provincial, Cádiz.

Instituto de Estudios Históricos Jerezanos: Ayuntamiento, Jerez de la Frontera.

Instituto de Estudios Sevillanos "Rey Alfonso X el Sabio": Diputación Provincial, Sevilla.

Academia de Bellas Artes "Santa Isabel de Hungría": Plaza del Museo 9, Sevilla.

Instituto de Estudios Malagueños: Casa del Consulado, Plaza José Antonio, Malaga.

Instituto de Estudios Granadinos: Plaza de Bibataubín s/n, Granada.

Real Academia de Ciencias, Bellas Letras y Nobles Artes: Pedro López 7, Córdoba.

Instituto de Estudios Giennenses: Plaza de San Francisco s/n, Jaen.

Museo Arqueológico de Linares: Calle Pontón, Linares.

Ceuta

Instituto de Estudios Ceutíes: Ayuntamiento, Ceuta.

Canary Isles

Instituto de Estudios Canarios: Universidad de La Laguna.

Museo Canario: Dr. Chill 25, Las Palmas de Gran Canaria.

Data Processing

Centro de Cálculo Electrónico: Serrano 142, Madrid 6.

Documentation and Information

Instituto de Información y Documentación en Ciencia y Tecnología: Joaquín Costa 22, Madrid 6.

Instituto de Información y Documentación en Biomedicina: Paseo al Mar 17, Valencia 10.

Instituto de Información en Humanidades y Ciencias Sociales: Serrano 117, Madrid 6.

Standardization

Instituto de Racionalización y Normalización: Serrano 150, Madrid 6.

Instrumentation

Instituto de Instrumentación Didáctica: Serrano 144, Madrid 6.

Centro Meteorológico de Baleares (*Meteorological Station*): Muelle de Poniente-Porto Pi, Apdo. Oficial, Palma de Mallorca, Balearic Is.; f. 1934; library of 600 vols.; Dir. COSME GAYÁ OBRADOR; publ. *Boletín* (monthly).

Departamento de Reproducción Animal (*Department of Animal Reproduction*): CRIDA 06, Instituto Nacional de Investigaciones Agrarias, Ministerio de Agricultura, Avda. de Puerta de Hierro s/n, Madrid; f. 1976; Head of Service Dr. TOMÁS PÉREZ GARCÍA; Heads of Sections Dr. JAIME GARCÍA HERNÁNDEZ, Dr. JOSÉ CRESPO GARCÍA.

Departamento Nacional de Protección Vegetal (*Plant Protection Department*): Puerta de Hierro 1, Carretera de la Coruña km. 7, Apdo. 8.111, Madrid; f. 1888; entomology, plant pathology and virology, weed control, phytotherapeutics; attached to the Instituto Nacional de Investigaciones Agrarias; 33 mems.; Dir. FERNANDO LÓPEZ DE SAGREDO; publ *Anales I.N.I.A. serie Protección Vegetal*† (annual).

Instituto Botánico Cavanilles (*Cavanilles Botanical Institute*): Real Jardín Botánico, Plaza de Murillo 2, Madrid 14; an institute of the C.S.I.C.; 54 mems.; library of 6,000 vols. and 10,937 offprints; Dir. Dr. SALVADOR RIVAS MARTÍNEZ; Sec. Dr. M. COSTA; publ. *Anales*† (annually).

Instituto Cajal (*Santiago Ramón y Cajal Institute of Neurobiological Research*): Velázquez 144, Madrid 6; f. 1906; 20 mems.; library of 20,000 vols.; Dir. ALFREDO CARRATO IBÁÑEZ; Sec. ADOLFO TOLEDANO GASCA; a Department of the C.S.I.C.; publs. *Trabajos*†.

Instituto de Estudios Fiscales (*Institute of Fiscal Studies*): Calle Casado del Alisal 6, Madrid 14; f. 1960; public finance; library of 25,000 vols.; Dir. CÉSAR ALBIÑANA GARCÍA-QUINTANA; Sec.-Gen. FERNANDO BREÑA CRUZ; publs. *Hacienda Pública Española*† (every 2 months), *Crónica Tributaria*† (quarterly).

Instituto Forestal de Investigaciones y Experiencias (*Institute of Forestry Research*): Puerta de Hierro, Carretera de la Coruña, Km. 7, Apdo. 8111, Madrid 20; f. 1922; library of 20,000 vols.; Dir. MANUEL MARÍA DE ARANA SANTOYO; Sec.-Gen. ANTONIO POVEDA FUENTES; publs. *Boletín* and *Comunicación*.

Instituto Geológico y Minero de España (*Geological and Mining Institute*): Ministry of Industry, Ríos Rosas 23, Madrid 3; f. 1849; library of 40,000 vols.; documentation centre of 20,000 vols. and microfilms; Dir. ADRIANO GARCÍA LOYGORRI; Sec. JULIO LUQUERO; Sections: Geology, Mining Research, Geophysics, Subterranean Hydrology, Laboratories, Museum; publs. *Memoria General*† (yearly), *Boletín*†, *Memorias del Instituto Geológico*†.

Instituto Germano-Español de Investigación (*German-Spanish Research Institute for History*): Serrano 123, Madrid; studies on German-Spanish relations in the 19th century; publ. *Berichte der diplomatischen Vertreter des Wiener Hofes aus Spanien in der Regierungszeit Karls III.*

Instituto Nacional de Geofísica (*National Institute of Geophysics*): Serrano 123, Madrid; f. 1941; 17 mems.; Dir. LUIS LOZANO CALVO; Sec. MANUEL RODRÍGUEZ RON; publ. *Revista de Geofísica* (quarterly).

Instituto Nacional de Investigaciones Agrarias (*National Institute of Agronomical Research*): Ministerio de Agricultura, Avda. Puerta de Hierro, Madrid; f. 1940; library of 11,263 vols.; 1,079 mems.; Pres. Ing. de Montes, MARIANO JAQUOTOT UZURIAGA; Sec. Ing. de Montes, ANTONIO CUESTA AREALES; publ. *Anales*† (annual).

Instituto y Observatorio de Marina (*Naval Institute and Observatory*): San Fernando, Cádiz; f. 1753; positional astronomy and geophysics; 26 mems.; library of 22,500 vols., 1,800 maps and plans; Dir. MARIANO RODRÍGUEZ; collaborates with the British and the American Nautical Almanac Offices, Le Bureau des Longitudes and Das Astronomische Rechen Institut; publs. *Almanaque Náutico* (annual), *Efemérides Astronómicas* (annual, *Almanaque Aeronáutico* (quarterly), *Anales*, *Observaciones Meteorológicas, Magnéticas y Sísmicas*, *Boletín Rotación de la Tierra*, *Boletín de Ocultaciones de Estrellas por la Luna*.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Calle de Alfonso XII 3; f. 1790; attached to the Instituto Geográfico y Catastral; library of approx. 10,000 vols.; Dir. JOSÉ PENSADO IGLESIAS; publs. *Anuario*†, *Boletín Astronómico*†.

Observatorio de Cartuja (*Observatory of Cartuja*): Apdo. 32, Granada; f. 1902; 10 mems.; library of 5,000 vols.; Dir. F. J. LÓPEZ APARICIO; publs. *Trabajos Científicos*, Series A, B and C (A, Astronomy; B, Geophysics; C, Meteorologics), *Contribuciones Astronómicas del Observatorio de Cartuja*. High altitude stations in the Sierra Nevada.

Observatorio del Ebro (*Ebro Observatory*): Roquetas, Tarragona; f. 1904; library of 16,000 vols., rare works dating from 1499; Dir. Rev. J-O. CARDÚS, S.J.; Vice-Dir. Rev.

E. Galdon, s.j.; Hon.-Dir. Rev. A. Romañá, s.j.; publs.† *Boletín* in five series: (*a*) Heliophysics; (*b*) Meteorology; (*c*) Seismology; (*d*) Terrestrial Magnetism, Telluric Currents, Atmospheric Electricity; (*e*) Ionosphere; publs. *Memorias*, *Miscelanea*, etc.

Seminario de Astronomía y Geodesía de la Universidad Complutense de Madrid (*Research Centre of Astronomy and Geodesy of the Complutense University of Madrid*): Ciudad Universitaria; f. 1948; Dir. Prof. J. M. Torroja; publs. *Publicaciones* (irregular).

LIBRARIES AND ARCHIVES

In Spain Archives and Libraries are run mainly by the state. With rare exceptions all such services are co-ordinated under the General Directorate of Archives and Libraries, which is a section of the Ministry of Education.

Madrid

Archivo General de la Administración Civil del Estado: Ronda Fiscal 1, Alcalá de Henares, Madrid; f. 1969; preserves and makes available for information or scientific research documents on public administration which are no longer of current administrative relevance; 21 mems.; library of 1,500 vols.; Dir. Dra. María del Carmen Pescador del Hoyo (acting); Sec.-Gen. Ma. Luisa Conde Villaverde.

Archivo Histórico Nacional (*National Historical Archives*): Calle Serrano 115; f. 1866; Dir. L. Sánchez Belda; Sec. Carmen Guzmán Plá; publs. catalogues, indexes, historical documents, private library, 12,920 vols.

Biblioteca Central de Marina (*Central Naval Library*): Cuartel General de la Armada, Montalbán 2, Madrid 14; f. 1856; 50,500 vols.; Technical Dir. Juan B. Olaechea.

Biblioteca Central Militar (*Army Library*): Calle Mártires de Alcalá 9; f. 1932; 250,000 vols. on military history; rare books, engravings, photographs, maps and plans; Dir. Col. Antonio Manzanedo Cereceda; publ. *Revista de Historia Militar*.

Biblioteca Central del Ministerio del Aire (*Central Library of the Air Ministry*): Romero Robledo 8; f. 1927; re-organized 1942; 32,745 vols.on aeronautics, engineering, meteorology, chemistry, mathematics and military subjects; Dir. Pedro Barrio Martín.

Biblioteca Central del Ministerio de Hacienda (*Central Library of the Ministry of Finance*): Calle de Alcalá 11; f. 1852; 21,206 vols. on economics, finance and Government legislation; Librarians José A. Montenegro González, María Martínez Aparicio, José Manuel Mata Castillión.

Biblioteca Ducal de Lerma: Valasquez 86; 14,500 vols., 600 MSS.; Librarian Pedro Longas.

Biblioteca del Ministerio de Asuntos Exteriores (*Library of the Ministry of Foreign Affairs*): Plaza de la Provincia 1; f. 1900; 43,256 vols.; works on history, geography; literature, international law, political and civil law; Dir. Miguel Santiago y Rodríguez.

Biblioteca Washington Irving (Centro Cultural de los Estados Unidos): San Bernardo 107.

Ministerio de Educación y Ciencia, Gabinete de Documentación, Biblioteca y Archivo (*Ministry of Education and Science, Library and Archives*): Alcalá 34; f. 1900; 45,000 vols.; Dir. Dra. M. Concepción Contel Barea; Librarian Begoña Ibañez; Archivist M. Josefa García Gomez; publs. *Bibliografías Educativas, Boletín Bibliográfico* (monthly).

Biblioteca del Ministerio de Información y Turismo (*Library of the Ministry of Information and Tourism*): Avda. del Generalísimo 39, 2°; f. 1942; 28,384 vols., and a newsprint collection of 111,624 vols. and pamphlets, 7,655 magazines; Dir. Marcelina Iñiguez Galíndez.

Biblioteca Nacional (*National Library*): Avda. de Calvo Sotelo 20, Madrid 1; f. 1712 as Royal Library; over 3,000,000 vols., 26,122 vols. of MSS., 3,000 incunabula, 45,000 rare books, prints, music, maps, reviews; Sala de Cervantes; Research Room; deposit library; photographic and recording laboratories; loan service for specialists and students; Dir. Hipólito Escolar Sobrino; Sec. Roberto Liter Curieses; publs. catalogues, bibliographies.

Biblioteca de la Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos (*Library of Special School for Road, Canal and Port Engineers*): Ciudad Universitaria, Madrid 3; f. 1799; 61,500 vols.; Dir. Juan Batanero García Geraldo; Librarian José Soto Burgos.

Biblioteca de la Escuela Técnica Superior de Ingenieros Industriales (*Library of the Special School for Industrial Engineers*): Paseo de la Castellana 86; f. 1905; 17,014 vols.; Dir. Emilio Bautista Paz; Librarian Elisa Parra González; publ. *Arista* (monthly).

Biblioteca del Palacio Real (*Library of the Royal Palace*): Palacio Real; f. 1716; 300,000 vols.; fine collections of MSS., incunabula, music, rare editions dating from the 16th century, engravings and drawings; collections of bookbindings and medals; research library exclusively open to the general public as museum; Hon. Dir. Matilde López Serrano; Dir. Justa Moreno Garbayo; publs. historical works, catalogues.

Biblioteca de la Universidad Complutense de Madrid (*Complutense University of Madrid Library*): Ciudad Universitaria, Madrid 3; f. 1341; second in importance in Madrid; one of the most complete in Spain; 821,503 vols., 270,000 pamphlets; Dir. Fernando Huarte.

Biblioteca Hispánica (del Centro Iberoamericano de Cooperación): approx. 500,000 vols. and 7,000 periodicals; includes library of Spanish and Latin American incunabula, press and periodicals; Dir. José Ibáñez Cerdá; publs. *Sumario Actual de Revistas*†, *Selección de Obras Incorporadas*†.

British Council Library: Calle Almagro 5, Madrid 4; f. 1941; 25,699 vols., 144 periodicals; Librarian J. R. Gardner, f.l.a.

Hemeroteca Municipal de Madrid (*Madrid Library of Spanish and Foreign Periodicals*): Plaza de la Villa 3; f. 1918; 180,000 bound vols., 3,600 periodicals; the library maintains a microfilm service and organizes the exchange of scientific literature; Dir. Federico Carlos Sainz de Robles.

Servicio de Publicaciones del Ministerio de Trabajo (*Publication Service of the Ministry of Labour*): Plaza Nuevos Ministerios; library with 80,000 vols. excluding pamphlets and newspapers; publs. *Revista de Trabajo* (quarterly), *Boletín Oficial del Ministerio de Trabajo* (monthly), *Jurisprudencia Social* (twice monthly), etc.

Barcelona

Archivo Capitular de la Santa Iglesia Catedral de Barcelona: Catedral de Barcelona; f. 9th century; documents from 9th to 20th centuries; treatises on Holy Scripture, ecclesiastical history and law; religious and economic history; 200 MSS., *c.* 100 incunabula and various printed books from the original Biblioteca Capitular; 40,000 documents, 20,000 vols.; Archives Prefect Angel Fábrega; Archivist Josep Baucells.

Archivo de la Corona de Aragón (*Royal Archives of Aragon*): Condes de Barcelona 2; f. 9th century; auxiliary library of 12,374 vols.; Dir. Federico Udina Martorell; Vice-Dir. Antonio-M. Aragó Cabañas; Sec Mercedes Costa Paretas; publs. publication on unedited MSS., *Colección de Documentos Inéditos del Archivo de la Corona de Aragón*†, Guides, Catalogues and Indexes.

Archivo Diocesano (*Diocesan Archives*): Palacio Episcopal; f. 11th century, registers (1,200) from 1302; Diocesan Archivist Pbro. José Sanabre Sanromá; publ. *El Archivo Diocesano de Barcelona* (1947).

Biblioteca y Centro de Documentación de la Asociación Nacional de Ingenieros Industriales de Cataluña (*Library and Documentation Centre of National Association of Industrial Engineers of Catalonia*): Vía Layetana 39; f. 1863; 5,773 mems.; 30,500 vols.; Librarian Antoni Perramón Dalmau; publs. *Ingeniería Textil*† (monthly), *Novática*† (every 2 months).

Biblioteca Balmes (*Balmes Library*): Durán y Bas 9-11; f. 1923; 31,000 vols.; Dir. Francisco de P. Solá.

Biblioteca de la Cámara Oficial de Comercio, Industria y Navegación de Barcelona (*Library of Chamber of Commerce, Industry and Navigation*): Casa Lonja de Mar, Paseo Isabel II, no. 1, and Calle del General Primo de Rivera 11 and 13 (Administration); 83,082 vols.; Sec.-Gen. José M. Calpe Ibarz; Librarian Nuria Sagalá; publs. *Boletín de la Cámara* (monthly), *Noticiario de Comercio Exterior, Boletín Estadístico Coyuntural.*

Biblioteca de la Delegación Provincial de Barcelona de la Organización Nacional de Ciegos (*Braille Library*): Calle General Primo de Rivera 2, Barcelona 2; f. 1939; 6,670 vols.; loan service.

Biblioteca del Centro Excursionista de Cataluña (*Library of the Mountaineering Centre*): Paradis 10; f. 1876; 6,000 mems.; *c.* 17,500 vols., mostly on mountaineering; Librarian-Dir. Modest Montlleó; publs. *Muntanya* (every 2 months), *Espeleòleg, Otro Cine.*

Biblioteca del Colegio de Abogados de Barcelona (*Barcelona College of Lawyers' Library*): Mallorca 283; f. 1832; 4,100 mems.; 120,000 items; Dean Miguel Casals Colldecarrera; Librarian José Pinto Ruiz; publ. *Revista Jurídica de Cataluña.*

Biblioteca del Colegio Notarial de Barcelona (*Library of College of Notaries*): Notariado 4; f. 1862 in present form, though in existence before 1395; 4,900 vols., 49,200 protocols from 13th century; Dean Carlos Fernández-Castañeda; Sec. Angel Martínez Sarrión.

Biblioteca del Colegio Oficial de Farmacéuticos de Barcelona y su Provincia (*Library of Barcelona Province College of Pharmaceutists*): Vía Layetana 94; f. 1926, reorg. 1942 and 1970; 3,010 mems.; 12,229 vols.; Dir. Jaime Fabrega; publs. *Circular Farmacéutica, Boletín anexo.*

Biblioteca del Fomento del Trabajo Nacional (*Library of Dept. of Trade Development*): Vía Layetana 32 and 34; f. 1889; 68,587 vols.; Librarian Juan F. Palomar Saez; publ. *Fomento del Trabajo Nacional* (monthly).

Biblioteca del Instituto Municipal de Historia de la Ciudad: Casa del Arcediano, Calle de Santa Lucía 1; 125,000 vols., divided into three sections: general works, books published in Barcelona from the 16th century; the Massana Library, containing works on iconography and the history of costume; Dir. Prof. Dr. Pedro Voltes.

Biblioteca del Instituto Nacional del Libro Español (I.N.L.E.) (*Library of the National Book Institute, Barcelona Office*): Mallorca 274-6; f. 1930; 19,539 vols. on bibliography, copyrights, history and technology of books, printing and allied trades, etc.

Biblioteca del Seminario de Química de la Universidad de Barcelona: Facultad de Ciencias Químicas, Avenida Generalísimo 647, Barcelona 28; f. 1940; 28,000 vols., 1,006 chemical and pharmaceutical periodicals; chemical information and reference library; Dir. Dr. José Costa López; Chief Librarian Maria Serrallach.

Biblioteca de la Diputación Provincial de Barcelona (Biblioteca de Cataluña y Central de Bibliotecas Populares): Apdo. 1077, Carmen 47, Barcelona 1; f. 1914; 670,200 vols.; 14 special sections: Bibliografía Española de Italia (Colección Toda); Cervantina (Colección Bonsoms); Raros (16th to 18th centuries); Bibliografía de Jacinto Verdaguer; Kempis (Colección Janer); Libros de Ajedrez (chess) (Colección Paluzie); Bibliografía de San Juan de la Cruz (Colección Soler); incunabula; Grabados, Mapas y Planos (Colecciones Espona y Perdigó); Hemeroteca antigua; MSS., Documentos (Archivo de la Junta de Comercio); Música (Colecciones Carreras, Pedrell, Pena, A. Massana); Dir. Rosalía Guilleumas; Sec. Mercè Rossell; publs. *Catálogo de publicaciones, Anuario de la Biblioteca de Cataluña y de las Populares y Especiales*†, *Biblioteconomía*†.

Biblioteca Universitaria y Provincial: Av. José Antonio 585, Barcelona 7; f. 1847; 400,000 vols., of which more than 5,000 are of the 16th century, 914 incunabula, 2,000 MSS. dating from 10th century; Dir. Rosalía Guilleumas de Rubió; publs. *Inventario General de Manuscritos, Inventario de Incunables, Boletín de Noticias.*

Biblioteca y Colección Cervantina Sedó Peris-Mencheta (*Cervantes Collection*): Ronda San Pedro 23; f. 1926; 1,350 edns. of *Don Quijote de la Mancha* in some 50 languages; 538 edns. of other works by Cervantes, largest being *Viaje del Parnaso*; Founder and Propr. Juan Sedó Peris-Mencheta.

British Council Library: Calle Amigo 83, Barcelona 6; f. 1944; 14,193 vols., 122 periodicals; Librarian Rosa Ricart Ribera.

El Escorial

Real Biblioteca de San Lorenzo de El Escorial (*The Escorial Library*): El Escorial; f. 1575; 50,000 vols., 650 incunabula; MSS.: 2,000 Arabic, 2,090 Latin and vernacular, 72 Hebrew, 580 Greek; many rare and unique editions, including complete copy of the *Biblia Poliglota Complutensis* and of the *Biblia Poliglota* of Antwerp on parchment, and *Epitome de Anatomia*, by Vesalius, also on parchment; 10,000 engravings and prints; Dir. P. Gregorio de Andrés.

Granada

Archivo de la Real Chancillería de Granada (*Archives of the Royal Chancery of Granada*): Plaza del Padre Suárez, 1; f. 1505 by Ferdinand and Isabella; consists of 16,753 boxes of documents, 6,349 MSS., some of which are lawsuits settled by the *Tribunal de la Real Chancillería* from 1490 to 1854; covers the territory south of the Tagus; catalogues covering genealogy, history, institutions, geography; specialized library of 2,180 printed books; Dir. Ma. Pilar Nuñez Alonso.

Jerez de la Frontera, Cádiz

Biblioteca, Archivo y Colección Arqueológica Municipal (*Town Library and Archaeological Museum*): Plaza de la Asunción 1; library f. 1873, museum 1933; 27,000 vols.; historical series neolithic to Renaissance; important coin collection, Hispanic, Roman, Arab, ancient Spanish; increased by collections of objects recovered from excavations in Asta Regia relating to the Mediterranean Bronze Age I; archives include documents dating from the reconquest of Jerez by Alfonso El Sabio; Dir. Manuel Esteve Guerrero.

La Coruña

Archivo Regional de Galicia (*Regional Archives of Galicia*): f. 1775; comprise a total of 36,850 bundles of documents dating back to 1480, concerning 910,000 disputes and lawsuits relative to the clergy, the nobility and private persons; library of 4,817 vols. closely related to the archives and of special interest for research; Dir. Dr. Antonio Gil Merino.

Lérida

Archivo Histórico Provincial: Casa de Cultura, Plaza San Antonio Ma. Claret s/n.

Pereleda (Gerona)

Biblioteca del Palacio de Pereleda (*The Palace of Pereleda Library*): f. 1882 by the Count of Pereleda; contains 57,686 vols., 200 incunabula, 20,000 pamphlets and 6,000 parchments on History and Art; Librarian Don Martín Costa.

Sabadell

Archivo Histórico de la Ciudad (*Historical Archives*): f. 1793; documents date from 1200; MS. of *El Libro de Privilegios y Formularios Notariales*, one dating from the 14th century; collection of local journals and reviews dating from 1853; Dir. Ernest Mateu Vidal.

Santander

Biblioteca de Menéndez Pelayo (*Menéndez Pelayo Library*): Rubio 6; comprises: (1) the private library of this writer, 45,000 vols., not to be increased in number, left by him to the town; opened to the public 1915; (2) **Biblioteca Municipal—Biblioteca Pública del Estado** (*Public Library*) housed in an adjacent building; opened to the public 1908; 120,000 vols.; both sections of Menéndez Pelayo Library inaugurated 1923 by Alfonso XIII; Dir. Manuel Revuelta Sañudo; Sec. Victoriano Punzano Martínez; publ. *Boletín* (quarterly).

Seville

Archivo de la Casa de Medinaceli y Camarasa (*Medinaceli and Camarasa Archives*): Plaza de Pilatos 1; archives of 9th to 20th centuries; 8,000 files; Archivist Joaquin Gonzales Moreno; publ. *Histórica*.

Archivo General de Indias (*Archives of the Indies*): Queipo de Llano 3; f. 1785; over 20,293 vols., 38,903 files; Dir. Rosario Parra Cala; publs. include *Catálogo de Pasajeros a Indias durante los siglos XVI, XVII* and *XVIII, Catálogo de Documentos de la Sección Novena, Archivo General de Indias de Sevilla, Guía del Visitante Madrid 1958.*

Biblioteca Capitular Colombina: The Cathedral; f. 1450; 90,500 vols.; Dir. Dr. Francisco Alvarez Seisdedos.

Simancas, Valladolid

Archivo General de Simancas (*Simancas General Archives*): f. 1540; 68,242 filed documents and 4,979 vols. of documents; library of 9,383vols. on history; Dir. Amando Represa; publs. *Guía del Investigador, Guía del Visitante* and 28 catalogues (40 vols.).

Toledo

Archivo y Biblioteca Capitulares (*Archives and Library of the Cathedral Chapter*): Catedral de Toledo; the *Archivo Capitular* contains 10,000 documents and files dating from 1086; the library contains 3,000 MSS. dating from the 8th and 9th centuries, and 1,500 printed books; Dir. Ramón Gonzálvez Ruiz (*Canónigo Archivero Bibliotecario*).

Valencia

Archivo del Reino de Valencia: Pintor Pinazo 22; f. 1419; 61,692 MSS. book (13th to 20th centuries), 25,252 files of MSS., 55,216 charters, deeds, etc., from the 13th century onwards; Dir. Desamparados Pérez Pérez.

Zaragoza (Saragossa)

Biblioteca Moncayo: Mayor 62, Jarque; f. 1972; 15,000 vols. by Aragonese authors or on the subject of Aragon; Dir. Luis Marquina Marín.

Palma de Mallorca, Balearic Is.

Archivo del Reino de Mallorca (*Historical Archives of Mallorca*): calle Ramón Llull 3; f. 13th century; archives of 33,495 vols., 10,400 documents and 18,676 files; library of 4,695 vols.; Dir. Antonio Mut Calafell.

MUSEUMS

Madrid

Patrimonio Nacional: Calle de Bailén s/n.; f. 1940 to administer former Crown property; it is responsible for all the Museums situated in Royal Palaces and properties and is governed by an Administrative Council presided over by Luis Carrero Blanco; publs. Guides to all the Museums, *Reales Sitios* (quarterly). Controls the following:

Palacio Real de Madrid: special rooms devoted to 16th to 18th century tapestries, clocks, paintings and porcelain from the Royal Palaces and Pharmacy; there is also an Armoury and a Coach Museum and the Library of more than 300,000 volumes is second in importance in Spain and contains many rare books and incunabula; the archives date from the 12th century.

Palacio Real de Aránjuez: Aránjuez; former Royal Palace rich in 18th-century art.

Monasterio de San Lorenzo de El Escorial: El Escorial; built by Juan de Herrera; contains many famous works by international artists of the 16th century and 18th century from Royal residences.

Alcázar de Sevilla: Seville; Royal residence.

Museo-Monasterio de las Huelgas: Burgos; founded by Alfonso VIII in the 9th century.

Museo-Monasterio de Tordesillas: Valladolid; 14th century.

Museo de la Encarnación: Madrid; monastic life in the 16th and 17th centuries.

Museo de las Descalzas Reales: Madrid; showing monastic life in the 16th and 17th centuries.

Palacio de Riofrió: Segovia; founded in 18th century; notable furniture and paintings of Spanish romantic movement.

Palacio de la Granja de San Ildefonso: Segovia; gardens and fountains in imitation of Versailles, tapestry museum.

Museo de Pedralbes: Barcelona; 19th-century Royal residence; replicas of modern Royal residences.

Castillo de Bellver: Majorca; Royal Palace; small museum of the 18th century.

Instituto de Valencia de Don Juan (*Don Juan Institute of Valencia*): Fortuny, 43; f. 1916; historical archives, historical and art library of 10,024 vols.; illuminated MS. *Les Statuts de la Toison d'Or* with miniatures; museum of ancient Spanish industrial arts; Pres. D. Diego Angula Iñiguez; Dir. Balbina Martínez Caviro.

Museo Arqueológico Nacional (*National Archaeological Museum*): Serrano 13; f. 1867; library of 30,200 vols., medieval MSS. include Huesca Bible of 12th century, Cardeña *Beato* of 12th or 13th century, *Regla de San Benito* and *Calendario* of the Abbey of Las Huelgas de Burgos of 13th century; most notable archaeological library in Spain; very rich collections relating to national prehistory, Iron Age, Roman Spain, medieval and modern times, numismatics, ivory carvings, Spanish pottery, Islamic pottery, brocades, tapestries; Dir. Prof. Dr. D. Martín Almagro Basch; publs. *Cerámica Griega, La Dama de Baza.*

Museo Cerralbo: Ventura Rodríguez 17, Madrid 8; f. 1924; the seventeenth Marquis of Cerralbo left his house to the nation as a Museum, together with his collection of paintings, drawings, engravings, porcelain, arms, carpets, coins, furniture; includes paintings by El Greco, Ribera, Titian, Van Dyck, Tintoretto; 12,000 vols.; Dir. Consuelo Sanz-Pastor Fz. de Piérola; publs. *Guía*†, *Museos y Colecciones de España, Catálogo de Dibujos del Museo Cerralbo.*

Museo Español de Arte Contemporáneo: Avda. Juan de Herrera, Ciudad Universitaria; f. 1959; Spanish and foreign contemporary art; Dir. Carlos Areán.

Museo Nacional de Ciencias Naturales (*Natural Science Museum*): Paseo de la Castellana 84; f. 1771 as Gabinete de Historia Natural by Carlos III; based on the valuable collections of Pedro Franco Dávila; malacological section noteworthy for rich exhibits from the Americas sent by the Viceroys; Dir. Francisco Hernández-Pacheco; publ. *Boletín de la Real Sociedad Española de Historia Natural.*

Museo del Ejército (*Army Museum*): Méndez Núñez 1; f. 1804; some 27,000 exhibits; collections of arms, war trophies, flags and tin soldiers; library of 7,000 vols.; Dir. Lieut.-Gen. D. José Angosto Gomez Castrillon; publ. *Guía del Visitante.*

Museo Nacional de Etnologia (*National Anthropological and Ethnological Museum*): Alfonso XII 68; f. 1875; some 4,000 exhibits and about 1,000 skulls; famous collections from the former Spanish Guinea and the Philippines, and a complete collection of Chiu-Chiu mummies from Bolivia; library of 8,000 vols.; Dir. Octavio Gil Farrés.

Museo de Historia Primitiva: Jorge Juan 51; Dir. Julio Martínez Santa-Olalla; Curator Bernardo Saez Martín. (*See* under Seminario de Historia Primitiva.)

Museo Lázaro Galdiano: Calle Serrano: f. 1951; Italian, Spanish and Flemish Renaissance painting; Golden Age, 18th- and 19th-century Spanish painting; English 18th-century collection; collections of weapons and armour, oriental and Spanish tapestries and cloth.

Museo Municipal de Madrid (*Madrid Museum*): Calle Fuencarral 78, Madrid 4; f. 1928; portraits, paintings, designs, engravings, plans, silversmiths' work, coins, ceramics, porcelain, paintings by Bayeu and Castillo for the Royal Madrid Looms, theatrical and bullfighting relics, all showing history of Madrid; Dir. Enrique Pastor Mateos.

Museo Nacional de Artes Decorativas: Calle Montalbán 12; f. 1912; contains collections of interior decorative arts, especially Spanish of 15th to 19th centuries, including carpets, furniture, leatherwork, jewellery, tapestries, ceramics, glass, porcelain, textiles, etc.; library of 8,000 vols.; Dir. Ma. Dolores Enriquez Arranz.

Museo Naval (*Naval Museum*): Ministerio de Marina, Montalbán 2; f. 1843; library of 10,500 vols.; engravings of sea battles; 1,202 vols. of manuscripts; some 12,000 original maps of the Americas and the Philippines dating from 1600; files containing over 17,800 photographs; Dir. Admiral Julio F. Guillén.

Museo del Prado (*National Museum of Paintings and Sculpture*): Calle de Felipe IV; f. 1819; paintings by Botticelli. Rembrandt, Velázquez, El Greco, Goya, Murillo, Raphael, Bosch, Van der Weyden, Zurbaran, Van Dyck, Tiepolo, Ribalta, Rubens, Titian, Veronese, Tintoretto, Moro, Juanes, Menendez, Poussin, Ribera, etc.; Classical and Renaissance sculpture; jewels and medals; Dir. Xavier de Salas; publs. Catalogues.

Museo de Pintura y Salas de Escultura: Alcalá 13.

Museo del Pueblo Español (*Museum of the Spanish People*): Atocha 106; f. 1925; 15,000 exhibits, with special reference to ethnography and historic costume; library of 3,892 vols.; Dir. Maria Luisa Herrera Escudero; Curator Nieves de Hoyos Sancho; publs. Catalogues† and *Conferencia sobre Museos al Aire Libre*†.

Museo de Reproducciones Artisticas (*Reproductions of Works of Art*): Cuidad Universitaria; f. 1878; library of 5,958 vols.; 3,219 reproductions of Oriental, Greek, Roman and Hispano-Roman statuary, medieval and Renaissance art, classical and medieval decorative arts; Dir. Dr. Francisca Ruiz Pedroviejo.

Museo Romántico (*Museum of the Romantic Period; Vega-Incláns Foundation*): San Mateo 13; paintings, furniture, books and decorations of the Spanish romantic period; Dir. María Elena Gómez-Moreno.

Museo Sorolla (*Sorolla Museum*): General Martínez Campos 37; f. 1932; permanent exhibition of some 350 of the artist's works, including drawings, water-colours, portraits, and his own art collections; Pres. Sr. Patronato; Dir. Francisco Pons-Sorolla.

Barcelona

Biblioteca y Museo del Instituto del Teatro (*Library and Museum of the Institute of Theatre*): Conde del Asalto 3; f. 1954; exhibits show the evolution of the theatre, cinema, dance, opera, puppets; scenery, fashions, costumes, posters, personal mementoes, etc.; library of 120,000 vols.; Dir. Hermann Bonnin; Curator Irene Peypoch; publs. *Estudios Escénicos, Monografies de Teatre.*

Instituto Municipal de Ciencias Naturales (*Municipal Institute of Natural Science*): Parque de la Ciudadela, Apdo. de Correos 593; f. 1882; Dir. Augusto Panyella Gomez (acting); affiliated institutions:

Museo de Geologia (*Museo Martorell*): Parque de la Ciudadela; f. 1882; Dir. (*Petrography*) Prof. Dr. Alfredo San Miguel Arribas; Curator A. Masriera González.

Museo de Zoologia: Parque de la Ciudadela; f. 1882; Dir. (*Entomology*) Francisco Español Coll; Curator O. Escolá Boada; publs. *Trabajos* and *Miscelanea Zoológica*†.

Instituto y Jardín Botánico de Barcelona: Parque de Montjuich, Avda. de Montañans; f. 1917; Dir. Prof. Dr. Oriol de Bolós Capdevila; Dir. Botanic Garden A. Marjanedas Gispert; publs. *Colectánea Botánica*†, *Memorias, Iconografia*, and other works.

Museo Etnológico-Sección Exótica: Parque de Montjuich; f. 1948; Dir. (*Ethnology*) Augusto Panyella Gómez; Curators: Zeferina Amil Mengual and Carmen Huera Cabeza; African, Asiatic, American Oceanic and Spanish ethnography.

Museo Etnológico-Sección Hispánica (*Hispanic Section of the Ethnographical Museum*): Pueblo Español, Parque de Montjuich; f. 1949; Dir. Augusto Panyella; Curators Zeferina Amil, Carmen Huera, Enrique Tormo.

Museo de Arte de Cataluña (*Museum of Ancient Art*): Palacio Nacional, Parque de Montjuich; f. 1934; collections of Catalan Romanesque and Gothic paintings and sculpture; Renaissance and Baroque paintings; Dir. Juan Ainaud de Lasarte; Curator M. Carmen Farré Sanpera.

Museo de Cerámica (*Museum of Ceramics*): Palacio Nacional de Montjuich; f. 1966; foreign and national collections.

Museo de Arte Moderno: Palacio de la Ciudadela; f. 1946; Dir. JUAN BARBETA ANTONES; publs. *Anales y Boletín de los Museos de Barcelona*, catalogues; library of 50,657 vols. on art and history.

Museo Arqueológico de Barcelona (*Archaeological Museum*) Parque de Montjuich; f. 1932; collections of prehistoric, Greek, Phoenician, Visigothic and Roman art; library of 35,000 vols.; Dir. E. RIPOLL PERELLO; publs *Ampurias*† (annually), monographs.

Museo de Historia de la Ciudad: Casa Padellás (14th-century mansion), Real Capilla y Salón del Trono ("Tinell") (14th century); f. 1943; Roman and Visigothic sections with remains *in situ*; sculpture, funeral remains, medieval and modern sections, Jewish and Arabic rooms, etc.; Dir. JOSÉ M. GARRUT.

Museo Marítimo de Barcelona (*Maritime Museum*): Reales Atarazanas; f. 1941; Dir. JOSÉ M. MARTÍNEZ-HIDALGO Y TERÁN.

Museo de Música: Bruch 110; f. 1946; valuable collections of antique instruments; Founder Dr. TOMÁS CARRERA ARTAU; Dir. J. RICART MATAS.

Museo Picasso: Calle Montcada 15–17, Barcelona 3; f. 1963; paintings, sculpture, drawings and engravings by Pablo Picasso, 1890–1968, including the series "Las Meninas" and the artist's recent donation of 940 works of art; Dir. ROSA MARÍA SUBIRANA.

Salmer, Archivo Fotográfico Internacional (*International Photographic Archives*): Rambla de Cataluña 54–3° 1a, Barcelona 7; f. 1962; collection of art works from every museum in Spain; transparencies on geography, monuments, ethnology, folklore, etc.; art works, etc. from other countries; exclusively in colour; Man. Dirs. SANTIAGO ORTEGA ALONSO, ROBERTO CASTELL ESTEBAN, MIGUEL CASTELL ESTEBÁN.

Bilbao

Museo de Bellas Artes: Parque de Doña Casilda Iturriza; f. 1913; 1,923 exhibits of paintings, sculpture, furniture; famous works by El Greco, Goya, Velázquez, Jordaens, Teniers, Ribera, Gauguin and many others including an important collection of early Spanish paintings and a new building containing contemporary art; Dir. CRISANTO DE LASTERRA.

Burgos

Museo Arqueológico de Burgos: Casa de Miranda, Calle de la Calera, No. 25; f. 1871; collections of ivories, enamels, pictures and sculpture; notably an enamel of Christ and the Apostles (7 ft. × 2 ft.), an Arabic ivory case (10th century) from the workshop of Medina Azahara, the statue of Don Juan de Padilla praying, and a 16th-century painting, "Ecce Homo"; Dir. BASILIO OSABA Y RUIZ DE ERENCHUN; publ. *Anales*.

Cartagena

Museo Arqueológico Municipal: Calle de Canales; f. 1943; important collections of Roman remains found in the area, including mining, submarine, industrial arts exhibits; Dir. Dr. Arq. PEDRO A. SAN MARTÍN MORO; publs. *Publicaciones de la Junta Municipal*, *Boletín Arqueológico del Sudeste Español*, *Crónicas de los Congresos Arqueológicos*, *Artes Industriales Cartageneras*.

Chipiona, Cadiz

Museo Misional de Nuestra Señora de Regla: Colegio de Misioneros Franciscanos; f. 1939; about 600 exhibits of early Roman Christian relics, ancient Egyptian and other North African objects, antique coins, etc.; Dir. R. P. RECTOR DEL COLEGIO.

Córdoba

Museo Arqueológico Provincial de Córdoba: Palacio de Jerónimo Páez; f. 1898; 28,590 archaeological and historical exhibits; library of 4,861 vols.; Dir. ANA MARÍA VICENT ZARAGOZA; publ. "*Córdoba*" (annually).

Figueras

Museo Dalí: f. 1974; Pres. of Board of Trustees SALVADOR and GALA DALÍ; Dir. SALVADOR DALÍ.

Ibiza

Museo Arqueológico de Ibiza: Plaza de la Catedral 3; f. 1907; 5,000 exhibits, almost exclusively Carthaginian; museum has other sections in other buildings; library of 2,132 vols. situated in the Museo del Puig des Molins; Dir. JORGE H. FERNÁNDEZ GOMEZ.

Museo y Necrópolis del Puig des Molins: Via Romana; f. 1967; Carthagian and Roman remains from the national monument of Puig des Molins; excavations in Ibiza and Formentera; library of 2,132 vols.; Dir. JORGE H. FERNÁNDEZ GÓMEZ.

La Escala, Gerona

Museo Monográfico de Ampurias (*Ampurias Monographic Museum*): f. 1946; collection of excavations of the Greco-Roman city; Dir. Prof. E. RIPOLL-PERELLÓ; Curator M. LLONGUERAS.

Lérida

Museo Arqueológico del Instituto de Estudios Ilerdenses: Antiguo Hospital de Santa María, Avda. Blondel 62; prehistoric and ancient remains.

Gabinete Numismático de Lérida: Diputación Provincial de Lérida; Roman, Iberian, Ibero-Roman, Medieval and Modern exhibits; local collections.

Museo de la Paherra de la Ciudad de Lérida: Historical documents and objects belonging to the municipality; archaeological finds of Lérida.

Museo Diocesano: Jaime Conquistador 67; medieval sculptures; also sub-section at Rambla de Aragón containing religious paintings, metal work and vestments; Dir. JESÚS TARRAGONA MURAY.

Museo de Arte Jaime Morera: Edificio Roser, Calle Caballeros 19; museum of modern paintings, including works by Morera, C. Haes and others.

Mérida, Badajoz

Museo Arqueológico de Mérida (*Archaeological Museum*): Plaza de Santa Clara 5; f. before 1838, in present form 1929; pre-Roman and Roman, early Christian, Visigothic, Arab; heraldry, etc.; Dir. JOSÉ ALVAREZ SÁENZ DE BURUAGA.

Pontevedra

Museo de Pontevedra: Calle de la Pasantería, Apdo. 104; f. 1927, opened 1929; library of 42,000 vols. on literature, art and archaeology of Galicia; pottery and ancient industrial and naval history of Galicia; prehistoric jewellery and jet ornaments; Spanish 15th–20th-century paintings; Dir. JOSÉ FILGUEIRA VALVERDE; Sec. ALFREDO GARCÍA ALÉN; publs. *El Museo de Pontevedra*† (annually), *Archivo de Mareantes*, *Materiales para la Carta Arqueológica de la Provincia de Pontevedra*.

Sabadell, Barcelona

Museo de Bellas Artes: Tres Cruces, 85 Sabadell; Dir. LUIS CLAPÉS.

Museo de Historia: Calle San Antonio 13; f. 1931; prehistoric archaeological, numismatic collections, native handicrafts; Iberico-Roman section, and sections on Textiles and Mineralogy; Dir. JUAN FARELL DOMINGO.

San Roque, Cádiz

Museo Histórico de San Roque: Ayuntamiento, San Roque, Prov. Cadiz; f. 1956; documents of Gibraltar and museum of Carteyan excavations; Dir. José Domingo de Mena; Chief of Archaeological Section Julio Martinez Santa-Olalla.

San Sebastián, Guipúzcoa

Museo Municipal de San Telmo: housed in an ancient Convent dating from the reign of Charles V; inaug. 1902 by Alfonso XIII; prehistoric, archaeological, anthropological, numismatics; paintings by Vicente López, El Greco, Goya, etc., and moderns; the ancient chapel decorated with 11 famous murals by José María Sert; Museo Vasco, Ethnographical Section, shows the rural life of the Basques; weapons, history of San Sebastián; Dir. Gonzalo Manso de Zúñiga, governed by a Junta de Patronato.

Museo Naval y Aquarium (*Naval Museum*): Sociedad de Oceanografía de Guipúzcoa, Muelle; f. 1914; models of famous ships, portraits of navigators, local fishing tackle, and aquarium; oceanographic museum and marine laboratory.

Santander

Museo de Prehistoria y Arqueologia (*Prehistoric and Archaeological Museum*): Palacio de la Excma. Diputación Provincial; f. 1926; important palaeolithic and bronze collections from the caves of Altamira, Pendo, El Castillo, El Rey, El Juyo, La Chora, La Pasiega, El Piélago; collection relating to the Bronze Age in Spain; Celtic stelae connected with sun worship; Roman collection; gallery of prehistoric art with 115 reproductions of paleolithic pictures; offers research facilities, seminars on prehistoric archaeology; laboratory collection of photographs; Dir. Dr. Miguel Angel García Guinea; publs. *Cuadernos de Espeleologia*†, *Publicaciones del Patronato de las cuevas Prehistóricas*†.

Seville

Museo Arqueológico Provincial: Plaza de América (Parque de María Luisa); f. 1880; *c.* 10,000 exhibits; Roman statues, lead coffins; incorporates the municipal collections; treasures of Tarshish; Dir. Concepción Fernández-Chicarro y de Díos; publs. *Guía, Catálogo de los Retratos Romanos del Museo, Catálogo del Museo Arqueológico de Sevilla, Trajano el Militar*, and various monographs.

Sitges

Museo del "Cau Ferrat": f. 1893; ironwork, glass, painting; incorporated with Museo Maricel in 1967; Dir. Felio A. Villarrubias.

Soria

Museo Provincial: Paseo del General Yagüe 8; f. 1916; prehistoric, ethnological, Roman and medieval archaeological collections, comprising 30,000 objects; library of 4,738 vols.; Dir. José Luis Argente.

Tarragona

Museo Arqueológico Provincial (*Archaeological Museum*): Plaza del Rey; f. 1834; archaeological, historical, local Roman exhibits; Dir. Pedro-Manuel Berges Soriano; publ. *Boletín Arqueológico*.

Museo Paleocristiano: Paseo Independencia 34; f. 1930; objects discovered during excavation of the Roman-Christian necropolis; Dir. Pedro-Manuel Berges Soriano.

Toledo

Casa del Greco: Fundaciones Vega Inclán (*El Greco's House*): the artist's house, furniture of the period, and a collection of the artist's paintings and those of his followers; 16th-century furniture; Curator María Elena Gómez-Moreno.

Museo del Greco: El Greco's paintings including portraits of Christ and the Apostles and other 16th- and 17th-century paintings.

Museo de Santa Cruz de Toledo: Calle Cervantes 3; f. 1961; Sections of Archaeology and Fine Arts in Hospital de Santa Cruz, f. 1958; section of Moorish art in Taller del Moro; f. 1963; section of Visigothic art in Museo de los Concilios y de la Cultura Visigoda, f. 1969; Museo de Arte Contemporáneo, f. 1973; library of 3,000 vols.; Dir. Matilde Revuelta; publs. *Museo de Santa Cruz, Museo Taller del Moro, Museo de los Concilios y de la Cultura Visigoda.*

Sinagoga del Tránsito: Fundaciones Vega-Inclán: Jewish synagogue built in the 14th century by Samuel Ha-Levi, treasurer to King Don Pedro I, "The Cruel"; converted into Christian church of Sta. María del Tránsito 1494; national monument; Sephardic Museum.

Valencia

Museo de Bellas Artes (*Museum of Fine Arts*): Calle de San Pio V 9; housed in an old Palace; f. 1839; more than 1,000 paintings, sculpture and archaeology sections; Dir. Felipe Garín Llombart.

Museo Nacional de Cerámica "González Marti": Palacio del Marqués de Dos Aguas, Valencia 2; a national museum of ceramics, set in the Palace of the Marquis of Dos Aguas; f. 1947; Dir. Felipe-Vicente Garin Llombart.

Valladolid

Casa de Cervantes (*Cervantes' House*): furniture and possessions of the writer; Dir. N. Sanz y Ruiz de La Peña.

Museo Arqueológico: Palacio de Fabio Nelli; articles from palaeolithic times to the 18th century; Dir. Eloisa García de Wattenberg (acting).

Museo Nacional de Escultura Policromada: Cadenas de San Gregorio 1; f. 1933; housed in the old Colegio de San Gregorio, dating from end of 15th century; works by Alonso Berruguete, Juan de Juni, Gregorio Fernández, and others; Dir. Dr. Eloisa García de Wattenberg.

Vich, Barcelona

Museo Arqueológico Artistico Episcopal de Vich (*Archaeological and Artistic Episcopal Museum*): f. 1891; medieval arts, provincial Romanesque, Gothic precious metalwork, textiles, embroideries, liturgical vestments, forged iron, etc.; Curator Dr. Eduardo Junyent.

Zamora

Museo de Zamora: c/o Calle de Sta. Clara 17; f. 1877 and inaugurated 1911 as Museo Provincial de Bellas Artes; paintings, sculpture, models, etc.; pictures by Carducci, Madrazo, Padró, Melgosa, Ramón Zaragoza, Acosta, Esquivel, Nani, Van de Parc, Secundo; sculptures by Benlliure, R. Alvarez, Quintin de Torre; photographs and plastic reproductions of historic and artistic monuments of the province; metalwork, ceramics, coins; 18th-century artistic textiles of Sanabria; archaeological exhibits of the 6th–11th centuries; armorial bearings; fossils of the Tertiary Period; Dir. Ramón Corzo Sánchez; publ. *Catálogos de Exposiciones*†.

Zaragoza (Saragossa)

Museo Provincial de Bellas Artes: Plaza de José Antonio 6; f. 1880; archaeological; prehistory, Roman, Arab, Gothic, Moorish, Romanesque and Renaissance exhibits; primitive arts and crafts, paintings from 14th to 19th centuries, contemporary Aragonese artists; Dir. Dr. Miguel Beltrán Lloris.

Palma de Mallorca, Balearic Islands

Museo de Mallorca: Calle Ramón Llull 3, Palma; f. 1961;

Dir. Guillermo Rosselló Bordoy; various sections, including:

Sección Etnológica: Casa Alomar, Calle Mayor 5, Muro.

Seccion Arqueológica: Calle Ramón Llull 3, Palma.

Sección Bellas Artes: Ancient Ayamans Palace, Calle Portella 5, Palma.

Las Palmas, Canary Islands

El Museo Canario: Dr. Chil 25; f. 1879; local archaeology and anthropology, ethnography and natural sciences; library of 40,000 vols.; Pres. José M. Alzola; publ. *El Museo Canario* (quarterly).

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Faculty of Pharmacy:

CARDÚS AGUILAR, JOSÉ, Edaphology
GÁLLEGO BERENGUER, JAIME, Parasitology
GARCIA FERNÁNDEZ, SERAFÍN, Physical Technics and Applied Physics and Chemistry
GRANADOS JARQUE, RICARDO, Organic Chemistry
IRANZO RUBIO, VICENTE, Applied Inorganic Chemistry
POZO OJEDA, ALFONSO DEL, Galenic Pharmacy, Professional Techniques and Legislation
SAN MARTÍN CASAMADA, RAMÓN, Pharmacology
SEOANE CAMBA, JUAN ANTONIO, Botany
SERRANO GARCÍA, MANUEL, Plant Physiology
SUÑÉ ARBUSSA, JOSÉ M., History of Pharmacy and Pharmaceutic Legislation
TORRALBA RODRIGUEZ, ANTONIO, Applied Animal Physiology
TORRE BORONAT, MA. DEL CARMEN DE LA, Applied Chemical Analysis and Bromatology

Faculty of Economic Science and Business Studies:

ARDERIU GRAS, ENRIQUE, Verification of Accounts
ARTIS ORTUÑO, MANUEL, Econometrics and Statistical Methods
BERINI GIMÉNEZ, JOSÉ, Economic Structures
CONDOMINAS RIBAS, SALVADOR, Political Economy
ESTAPÉ RODRÍGUEZ, FABIÁN, Political Economy
GIL ALUJA, JAIME, Business Economics
GONZÁLEZ CASANOVA, JOSÉ ANTONIO, Theory of Government
HORTALA ARAU, JUAN, Economic Theory
JANÉ SOLÁ, JOSÉ, Political Economy
MIGUEL RODRIGUEZ, AMANDO DE, Sociology
MUNS ALBUIXECH, JOAQUÍN, International Economic Organization
PARADA VAZQUEZ, JOSÉ RAMÓN, Administrative Law
PEDROS ABELLO, ALEJANDRO, Accountancy, Treasury and Public Enterprise Procedures
PIFARRÉ RIERA, MARIO, Theory of Accountancy
POLO SANCHEZ, EDUARDO, Mercantile Law
RODRÍGUEZ RODRÍGUEZ, ALFONSO, Financial Mathematics
SIMÓN SEGURA, FRANCISCO, Economic History
TORRE Y DE MIGUEL, JOSÉ-MANUEL DE LA, Economic Theory
TRIAS FARGAS, RAMÓN, Public Taxation and Fiscal Law
VELASCO LARA, RAFAEL, Theory and Mathematics of Insurance
VOLTES BOU, PEDRO, Economic History

AFFILIATED RESEARCH INSTITUTES:

Instituto de Arqueología y Prehistoria: Avda. José Antonio 585, Barcelona 7; Dir. D. JUAN MALUQUER DE MOTES NICOLAU.

Instituto de Ciencias de la Educación: Avda. José Antonio 585, Barcelona 7; Dir. Dr. MIGUEL SIGUÁN SOLER.

Instituto Tecnológico y Metalúrgico "Emilio Jimeno": Núcleo Universitario Pedralbes, Facultad de Ciencias, Avda. Generalísimo Franco s/n., Barcelona 17; Dir. Dr. JUAN BTA. VERICAD RAGA.

Instituto de Criminología: Núcleo Universitario Pedralbes, Facultad de Derecho, Avda. Generalísimo Franco s/n., Barcelona 17; Dir. Dr. OCTAVIO PÉREZ-VITORIA MORENO.

UNIVERSIDAD AUTÓNOMA DE BARCELONA

CAMPUS UNIVERSITARIO,
BELLATERRA (CERDANYOLA)
Telephone: 692-00-00.
Founded 1968.

Independent control; Academic year: September to June; Language of instruction: Spanish.

Rector: JOSÉ LAPORTE SALAS.
Registrar: ALBERT BUSQUETS BLAY.
Librarian: ARCADIO CASTILLEJOS.

Number of teachers: 1,034.
Number of students: 25,126.
Publication: *Memoria* (every two years).

DEANS:

Faculty of Arts: JOSÉ MANUEL BLECUA PERDICES.

Faculty of Medicine: JOSÉ LUIS BALIBREA CANTERO.

Faculty of Economics and Business Studies: SANTIAGO ROLDÁN LÓPEZ.

Faculty of Science: RAMÓN PASCUAL DE SANS.

Faculty of Law: VICTOR REINA BERNALDEZ.

Faculty of Information Science: EUGENIO GIRALT QUINTANA.

Affiliated Institutes:

Instituto de Biología Fundamental: Casa de Convalecencia del Hospital de la Santa Cruz y San Pablo, Avda. San Antonio María Claret 171.

Instituto de Bioquímica Clínica: Calle Roberto Bassas 1.

Instituto de Ciencias de la Educación: Campus Universitario.

UNIVERSIDAD DE BILBAO

APDO 1397, SIMÓN BOLÍVAR 1,
BILBAO 10

Telephone: 312170, 315390.
Founded 1968.
State control.

Rector: Justo Pastor Ruperez.
Secretary-General: José Ma. Aizpitarte Palacios.
Librarian: María Fernanda Iglesias Lesteiro.

Number of teachers: 642.
Number of students: 10,300.

Deans:

Faculty of Science: Justo Mañas Diaz.
Faculty of Medicine: José María Rivera Pomar.
Faculty of Economics and Business: Fernando de la Puente y Fdez. de Ullivarri.
Technical High School of Industrial Engineering: Joaquín María de Aguinaga Torrano.

Professors:

Faculty of Science:

Bernalte Miralles, Antonio, Physics
García Dueñas, Victor, Geology
Gasca González, Mariano, Numerical Analysis
Mañas Diaz, Justo, Electricity and Magnetism
Mellado Rodríguez, Mariano, Electronics and Automation
Roig Mutaner, Antonio, Physics
Romero González, A., Chemistry

Faculty of Medicine:

Gandarias Bajon, Juan Manuel, Biochemistry and Physiology
Manuel y Piniés, Luis, General Pathology
Rivera Pomar, José María, Histology, Embriology, Pathological Anatomy
Sarrat T., René, Descriptive and Topographical Anatomy

Faculty of Economics and Business:

de la Puente y Fdez. de Ullivarri, Fernando, Economics
Fernandez de Troconiz Ortiz de Zarate, Antonio, Statistics
Flores Gómez, Teodoro, Economic Structure
García Villalón, J., Mathematical Theory
Martín Mateo, Ramón, Administrative Law
Ramón Alvarez R., José, Public Finance
Sánchez Calero, Fernando, Mercantile Law
Soldevilla García, Emilio, Business Economic Policy
Toña Basauri, Ignacio, Business Economy
Vicente Moya V., Carlos, Sociology

UNIVERSIDAD PONTIFICIA "COMILLAS"

(Pontifical University "Comillas")

MADRID 34

Telephone: 734-39-50.

Founded by Pope Leo XIII, classes commencing at Comillas in 1892. The right to confer Degrees was granted in 1904, and again in 1935, in accordance with the Apostolic Constitution "Deus Scientiarum Dominus".

Grand Chancellor: M.R.P. Pedro Arrupe, s.j.
Rector: R.P. Urbano Valero, s.j.
Academic Vice-Rector: Prof. Alfonso Alvarez Bolado.
Librarian: Alejandro Barcenilla.
Secretary-General: Ricardo Lobato Garcia.

Number of teachers: 106.

The library contains 200,000 vols.

Publications: *Miscelánea Comillas* (2 a year), and various faculty publications.

Deans:

Faculty of Theology: Prof. Joaquín Losada.
Faculty of Canon Law: Prof. Luis Vela Sánchez, s.j.
Faculty of Philosophy and Letters: Prof. Luis M. Gómez.

There are other Theological and Philosophical Faculties in Spain conferring degrees, which are partly associated with the Pontifical Universities, as follows:

Facultades S. Francisco de Borja: San Cugat del Vallés, Barcelona; Jesuit College for the Province of Catalonia; f. 1864; Tel. 274-11-50. Since 1967 the Faculty of Theology has formed part of the Faculty of Theology of Barcelona, and is open to non-Jesuit students.

Chancellor: Dr. Narciso Jubany, Cardinal Archbishop of Barcelona.
Vice-Chancellor: R.P. Ignacio Salvat, s.j.
Rector: R.P. Pedro Ribas, s.j.
Registrar: P. José Ma. Rocafiguera, s.j.
Librarian: P. Antonio Borrás, s.j.

Number of teachers: 43.
Number of students: 180.

Publications: *Pensamiento*, *Estudios Eclesidsticos*, *Manresa*, *Selecciones de Teología*, *Studia Papyrologica*, *Selecciones de Libros*.

Deans:

Dean of Theology: P. Oriol Tuñí, s.j.
Dean of Philosophy: P. Eusebio Colomer, s.j.

Professors:

Faculty of Theology:

Abel, Francisco, Bioethics
Alberdi, Ramón, Ecclesiastical History
Aldazábal, José, Sacramental Theology
Alegre, Xavier, New Testament Scripture
Bartina, Sebastián, Old Testament Scripture
Bayés, Gabriel, Liturgy
Benitez, José Ma., Ecclesiastical History
Borrás, Antonio, Ecclesiastical History, Christian Archaeology
Boada, José, Fundamental Theology
Camps, Guiu, Old Testament Scripture
Casal, Fermin, Fundamental Theology
Codina, Víctor, Dogmatic Theology
Coll, José Maria, Dogmatic Theology
Cuyás, Manuel, Moral Theology
Escudé, Jorge, Moral Theology
Fondevila, José Ma., Dogmatic Theology
Font, Jorge, Moral Theology and Psychopathology
Franquesa, Pedro, Old Testament Scripture
González, José I., Dogmatic Theology
Manresa, Fernando, Fundamental Theology
Millas, Eduardo, Dogmatic Theology
Millas, José Ma., Fundamental Theology
O'Callaghan, José, Greek Biblical and Papyrology
Recolons, Luis, Sociology of Religion
Riudor Ignacio, Fundamental Theology
Salvat, Ignacio, Moral Theology, Canon Law
Sivatte, Rafael de, Old Testament Scripture
Tortras, Antonio, Sacramental Theology
Tuñí, Luis, New Testament Scripture
Tuñí, Oriol, New Testament Scripture
Vall, Héctor, Ecumenical Theology
Vergés, Salvador, Dogmatic Theology
Vives, José, Dogmatic Theology and Patrology

Faculty of Philosophy:

Acordagoicoechea, Juan Pedro, Metaphysics
Aragó, Joaquín, Psychology
Avesani, Giuseppe, Metaphysics
Colomer, Eusebio, History of Philosophy
García-Doncel, Manuel, Cosmology
Gomis, Antonio, Experimental Psychology
Miralles, José, History of Political Systems
Pegueroles, Juan, History of Philosophy
Roig, Juan, Ontology
Suñer, Pedro, Ethics and Natural Law

Attached Department:

Departamento de Papirología: Dir. P. José O'Callaghan.

Facultad de Teología: Apdo. 2002, Granada; f. 1939.

Grand Chancellor: M. R. P. Pedro Arrupe, s.j.
Vice-Grand Chancellor: R.P. Marcos Diaz Bertrana, s.j.
Rector: R.P. Stanislao Olivares D'Angelo, s.j.
Vice-Rector: R.P. Eduardo López Azpítarte, s.j.

Secretary: Alberto García Torres, s.j.
Board of Administration: Eladio Campe Martín, s.j.
Librarians: Gabriel Verd, Augusto Segovia.

Library: 200,000 vols.

Number of professors: 48.
Number of students: 542.

Publications: *Archivo Teológico Granadino* (*Anuario de Teología Postridentina*)† (33 yearly), *Biblioteca Teológica Granadina*† (collection of textbooks and theses), *Centro de Cultura Religiosa Superior* and *Cuadernos de Teología* (textbooks), *Proyección*†; in collaboration with other Spanish Jesuit reviews: *Estudios Eclesiásticos, Manresa, Razón y Fe.*

Professors:

Aldama, José A. de, Dogmatic Theology
Barón, Enrique, Dogmatic Theology
Briones Gómez, Rafael, Pastoral Theology
Castillo Sánchez, José M., Dogmatic Theology
Camacho Laraña, Ildefonso, Moral Theology
Caston Boyer, Pedro, Sociology
Collantes Lozano, Justo, Dogmatic Theology
Criado Rodríguez Carretero, Rafael, Scripture
Esquivias Franco, Juan, Biblical Hebrew
Estrada Díaz, Juan, Dogmatic Theology
Franco Hernández, Ricardo, Dogmatic Theology
García Gómez, Matias, Pastoral Theology
Gómez García, Pedro, History of Philosophy
Gómez Martínez, Manuel, Moral Theology
Jiménez Ortíz, Antonio, Fundamental Theology
López Azpitarte, Eduardo, Moral Theology
López Cuadrado Eleuterio, c.m.f., Philosophy
Moore Candelera, Eduardo, Moral Theology
Muñoz, Isidro, History of Philosophy
Navas Gutiérrez, Antonio, Ecclesiastical History
Olivares, Estanislao, Canon Law
Orge Ramírez, Manuel, Scripture
Palacios Alcantara, Jesús, Psychology
Peinado Muñoz, Miguel, Scripture
Pozo, Cándido, Dogmatic Theology
Ramos, Manuel, Pastoral Theology and Liturgy
Requena Torres, Isidoro, Philosophy
Rodríguez Carmona, Antonio, Scripture
Rodríguez Molero, Francisco X., Scripture
Segovia, Augusto, Dogmatic Theology, History of Dogma
Sicre Díaz, José Luis, Scripture
Sotomayor Muro, Manuel de, Ecclesiastical History, Patrology, Christian Archaeology
Tevar Fernández, Gabriel, Scripture
Torres Fernández, Antonio, Biblical Theology
Vilchez Lindez, José, Dogmatic Theology

Attached Institute:

Centro Estudios Teológicos: Paseo de María Cristina, Seville; Rector (vacant).

UNIVERSIDAD DE CÓRDOBA

PLAZA DEL CARDENAL
SALAZAR S/N,
CÓRDOBA

Founded 1972.

Rector: Francisco Castejón Calderón.

Faculties of veterinary science, medicine, agronomy, sciences and letters, industrial engineering.

UNIVERSIDAD DE DEUSTO

AVDA. DEL. DR. MORCILLO S/N,
APARTADO 1, BILBAO 7
Telephone: 4-45-31-00.
Founded 1886.

Private control, directed by the Jesuits; Language of instruction: Spanish; Academic year: October to June.

Chancellor: R.P. Pedro Arrupe, s.j.
Vice-Chancellor: R.P. Francisco Javier Egaña, s.j.
Rector: R.P. Dionisio Aranzadi, s.j.
Secretary-General: R.P. José Antonio Aldecoa, s.j.
Librarian: R.P. José I. Aresti, s.j.

Number of teachers: 517.
Number of students: 7,912.

Publications: *Estudios de Deusto* (2 a year), *Boletín de Estudios Económicos* (3 a year), *Letras de Deusto*† (2 a year).

Deans:

Faculty of Law: Ricardo de Angel.
Faculty of Philosophy and Letters: R.P. Luis Reizábal, s.j.
Faculty of Theology: R.P. Luis Ma. Armendáriz, s.j.
Faculty of Political Sciences and Sociology: R.P. Román Gárate, s.j.
Faculty of Philosophy and Education: Juan María Isasi.
Faculty of Economics and Business Studies: R.P. José María Ostolaza, s.j.
Faculty of Informatics: Juan Luis Gutiérrez.

Directors:

Institute of Education: R.P. Mariano Ibar, s.j.
Institute of Christian Living and Faith: R.P. Luis Erdozain, s.j.
Institute of Languages: Winfried Arnold.
School of Legal Practice: R.P. Jesús María Díaz de Acebedo, s.j.
"Bilbao Consulate" Institute of Maritime Law and Economics: Ignacio Artaza.
School of Tourism and Secretarial Studies: Luis Ramos.
Department of Biscayan Studies: Andrés Mañaricúa.
Institute of Higher Education in Religious Studies: R.P. Jesús Terán, s.j.
International Institute of Business Management: Hermanos Aguirre 2, Apdo. 153, Bilbao 7; Antonio Freije.
School of Administration: Hermanos Aguirre 2, Apdo. 153, Bilbao 7; R.P. Antonio Colinas, s.j.

UNIVERSIDAD DE EXTREMADURA

CARRETERA DE PORTUGAL,
KM. 4, BADAJOZ

Rector: Antón Civit Breu.
Secretary-General: Carlos Núñes Alvarez.

Faculties of medicine and chemistry; schools of agriculture, business administration, education, engineering. A branch in Cáceres comprises faculties of law and letters, schools of civil engineering and education.

UNIVERSIDAD DE GRANADA

PLAZA DE LA UNIVERSIDAD,
GRANADA
Telephone: 27-84-00/04/08/12.
Founded 1526, established 1532, charter granted 1531.

Private control; Language of instruction: Spanish; Academic year: October to May.

Rector: Antonio Gallego Morell.
Vice-Rectors: José Antonio Sainz Cantero, José Cazorla Pérez, Rafael Vara Thorbeck.
Secretary-General: Bernardo Moreno Quesada.
Librarian: Dra. María Pardo López.

University Library: *c.* 78,600 vols., 35 incunabula, 14th-century MS. *Historia Natural de Alberto Magno*; Faculty libraries: 183,995 volumes.

Number of teachers: 1,460.
Number of students: *c.* 32,000.

Publications include: *Miscelánea de Estudios Arabes y Hebraicos, Anales del Desarrollo, Anales de la cátedra Francisco Suárez, Ars Pharmaceutica.*

Deans:

Faculty of Science: Juan A. Vera Torres.
Faculty of Pharmacy: José L. Valverde López.
Faculty of Philosophy: Jesús Lens Tuero.
Faculty of Medicine: Gonzalo Piédrola Angulo.
Faculty of Law: José M. Pérez-Prendes.
Institute of Education: Dr. Capitán García.

Affiliated Schools and Institutions:

Escuela de Estudios Arabes (*School of Arabic Studies*).
Director: P. Dario Cabanelas.

Instituto Federico Olóriz, Sección de Anatomia (*Anatomy Section of the Federico Olóriz Institute*).
Director: Dr. Guirao Pérez.

Instituto López Neyra de Parasitologia (*Institute of Parasitology*).
Director: Dr. Guevara Pozo.

Estación Experimental del Zaidin (*Experimental Station*).
Director: Dr. Recalde Martínez.

Cátedra Francisco Suárez (*Courses in Philosophy of Law and Sacred Theology*).
Director: Dr. Nicolás María López Calera.

Instituto de Idiomas (*Languages Institute*).
Director: Dr. Rafael Fente Gómez.

UNIVERSIDAD DE LA LAGUNA

LA LAGUNA, TENERIFE,
CANARY ISLANDS
Telephone: 258119/20.
Founded 1701.

State control; Language of instruction: Spanish.

Rector: Dr. Antonio de Bethencourt y Massieu.
Vice-Rectors: Dr. Francisco Rubio Royo (Academic), Dr. Manuel Medina Ortega (Las Palmas Campus), Dr. Francisco Sánchez Martinez (Research), Dr. José Bueno Gómez (University Extension).
Secretary-General: Dr. Jorge Fuentes Duchemín.
Librarian: D. Emilio Jerez Frías.

Number of teachers: 648.
Number of students: 14,630.

Publications: *Revista de Historia* (quarterly), *Anales de la Facultad de Ciencias, Anales de la Universidad de a Laguna, Biblioteca Filológica.*

Deans:

Faculty of Law: Dr. Manuel Morón Palomino.
Faculty of Sciences: Dr. Telesforo Bravo Expósito.
Faculty of Philosophy and Letters: Dr. Sebastián de la Nuez Caballero.
Faculty of Medicine: Dr. Javier Parache Hernández.
Faculty of Pharmacy: Dr. Antonio Cerezo Galán.
Faculty of Economics and Business Studies: Dr. Gumersindo Trujillo Fernández.
School of Industrial Engineering: Dr. Roberto Moreno Díaz.
School of Architecture: Dr. Jaime López de Asiaín.

UNIVERSIDAD COMPLUTENSE DE MADRID

CIUDAD UNIVERSITARIA,
MADRID 3
Telephone: 2-43-92-00.

Founded 1508. Campus at Alcala de Linares.

Rector: Dr. Angel Vian Ortuño.
Vice-Rectors: Dr. Felipe Calvo y Calvo, Dr. Antonio Gallego Fernández, Dr. Antonio Fernández-Galiano Fernández, Dr. José Luis Amorós Portolés, Dr. Carlos Sanchez Del Rio y Sierra, Dr. José Alcina Franch.
Administrator-General: Lorenzo Rodríguez Durántez.
Secretary-General: Dr. José Maria Lozano Irueste.
Librarian: Fernando Huarte Morton.

Number of teachers: 4,570.
Number of students: 96,503.

Library: second in importance in Madrid; 600,000 volumes, 208,000 pamphlets; comprises the libraries of the different Faculties and Institutes.

Publications: *Resúmenes de Revistas Médicas, Boletín de la Biblioteca Universitaria, Revista ed la Universidad Complutense.*

Deans:

Faculty of Philosophy and Education: Dr. Sergio Rábade Romeo.
Faculty of Geography and History: Dr. Alberto de la Hera Pérez-Cuesta.
Faculty of Philology: Dr. Antonio Ruiz de Elvira Prieto.
Faculty of Mathematics: Dr. Sixto Rios García.
Faculty of Physics: Dr. Luis Brú Villaseca.
Faculty of Chemistry: Dr. Mateo Díaz Peña.
Faculty of Geology: Dr. Carmen Virgili Rodón.
Faculty of Law: Dr. Mariano Aguilar Navarro.
Faculty of Medicine: Dr. Alberto Oriol Bosch.
Faculty of Pharmacy: Dr. Antonio Doadrio López.
Faculty of Veterinary Medicine: Dr. Gaspar González González.
Faculty of Economics and Management: Dr. Andrés Fernández Díaz.
Faculty of Political Science: Dr. Salustiano del Campo Urbano.
Faculty of Information Science: Dr. Pedro Orive García.

Professors:

Faculty of Philosophy and Education:
Calvo Serer, R., History of Spanish Philosophy
Galino Carrillo, A., History of Education
Garcia-Hoz, V., Experimental Education
Gonzalez Alvarez, A., Metaphysics
Lopez-Aranguren Jimenez, J. L., Ethics and Sociology
Market Garcia, O., History of Philosophy
Millan Puelles, A., Metaphysics
Pacios Lopez, A., Didactics
Palacios Rodriguez, L., Logic
Pinillos Diaz, J. L., Psychology
Rabade Romeo, S., Metaphysics
Romero Marin, A., General Education
Sanchez de Muniain y Gil, J. M., Aesthetics
Saumells Panades, R., Natural Philosophy
Todoli Duque, J., Ethics and Sociology
Yela Granizo, M., General Psychology

Faculty of Geography and History:
Alcina Franch, J., American Archaeology
Almagro Bosch, M., Prehistory
Alvarez Rubiano, P., Modern History
Azcarate Ristori, J. M., History of Art
Ballesteros Gaibrois, M., American History
Blanco Freijeiro, A., Archaeology
Blazquez Martinez, J. M., Spanish History
Bonet Correa, A., History of Art
Casas Torres, J. M., Geography
Cepeda Adan, J., Spanish History
Cespedes del Castillo, G., History of Geographical Discoveries
Delgado Martin, J., American History
Ferrari Nuñez, A., Medieval History
Gonzalez Gonzalez, J., Spanish History
Hera Perez-Cuesta, A. de la, History of the American Church
Hernandez-Perera, J., History of Art
Jover Zamora, J. M., Contemporary History
Marco-Dorta, E., History of Hispano-American Art
Marin Martinez, T., Palaeography
Montero Diaz, S., Ancient History
Moxo y Ortiz de Villajos, S., Spanish History
Palacio Atard, V., Spanish History
Rodriguez Casado, V., Modern History
Romeu de Armas, A., Spanish History
Ruiz-Trapero, M., Epigraphy and Numismatics
Salas Boch, F. J., History of Art
Sanchez-Castañer Mena, F., History of Hispano-American Literature

Faculty of Philology:
Alvar Lopez, M., Spanish Language
Arce Fernandez, J., Italian Language and Literature
Balbin Lucas, R. de, General Grammar
Diaz Macho, A., Hebrew Language and Literature
Fontan Perez, A., Latin Philology
Franja Santamaria, F. de la, Arabic
Garcia Calvo, A., Latin Philology
Gil Fernandez, L., Greek Philology
Juretschke Meyer, H., German Literature
Lapesa Melgar, R., Spanish History
Lopez Estrada, F., Spanish Literature
Lorenzo Criado, E., German Philology
Marine Bigorra, S., Latin Philology
Perez Castro, F., Hebrew Language and Literature
Poyan Diaz, D., French Language and Literature
Pujals Fontrodona, E., English Language and Literature
Rodriguez Adrados, F., Greek Philology
Rubio Fernandez, L., Latin Philology
Ruiperez Sanchez, M., Greek Philology
Sanchez Lasso de la Vega, J., Greek Philology
Simon Diaz, J., Bibliography
Teres Sadaba, E., Arabic Literature

Yndurain Hernandez, F., Spanish Literature and Language
Zamora Vicente, A., Latin

Faculty of Mathematics:

Abellanas Cebollero, P., Geometry
Ancochea Quevedo, G., Geometry
Arregui Fernandez, J., Algebra
Botella Raduan, F., Topology
Dou Mas de Xexas, A., Mathematical Analysis
Etayo Miqueo, J. J., Geometry
Fernandez-Bañada y Menendez de Luarca, A., Mechanics
Lines Escardo, E., Mathematical Analysis
Rios Garcia, S., Statistics
Rodriguez-Salinas Palero, B., Mathematical Analysis
Torroja Menendez, J. M., Astronomy

Faculty of Physics:

Aguilar Peris, J., Thermal Physics
Bru Villaseca, L., Theoretical Physics
Catala de Alemany, J., Physics of the Atmosphere
Dominguez Ruiz-Aguirre, R., Physics
Duran Miranda, A., Optics
Galindo Tixaire, A., Theoretical Physics
Garcia-Santesmases, J., Industrial Physics
Rodriguez-Vidal, M., Electricity
Sanchez del Rio y Sierra, C., Nuclear Physics
Velayos Hermida, S., Theoretical Physics

Faculty of Chemistry:

Calvo Calvo, F. A., Metallurgy
Costa Novella, E., Technical Chemistry
Diaz-Peña, M., Physical Chemistry
Gutierrez-Jodra, L., Industrial Chemistry
Gutierrez Rios, E., Inorganic Chemistry
Morcillo Rubio, J., Spectrography
Perez Alvarez-Ossorio, R., Chemistry
Soto Camara, J. L., Organic Chemistry
Voan-Ortuño, A., Industrial Chemistry

Faculty of Geology:

Alustrue Castillo, E., Geology
Alia Medina, M., Geography
Amoros Portoles, J. L., Crystallography
Melendez y Melendez, B., Palaeontology
Fuster Casas, J. M., Petrology
Virgili Rodon, C., Stratigraphy

Faculty of Biology:

Alvarado Ballester, Zoology
Bellot Rodriguez, F., Botany
Bernis Madrazo, F., Zoology
Carrato Ibañez, A., Histology
Fernandez-Galiano Fernandez, A., Botany
Fernandez-Galiano Fernandez, D., Bacteriology
Fraile Ovejero, A., Animal Physiology
Lacadena Calero, J. R., Genetics
Martin-Municio, A., Physiological Chemistry
Peris Torres, S. V., Zoology
Valls Medina, A., Anthropology

Faculty of Law:

Aguilar Navarro, M., International Law
Albaladejo Garcia, M., Civil Law
Alonso-Olea, M., Labour Law
Alvarez Suarez, U., Roman Law
Barbero Santos, M., Penal Law
Bayon Chacon, G., Labour Law
Beltran de Heredia y Castaño, J., Civil Law
Beltran Flores, L., Political Economy
Cossio y Corral, A. de, Civil Law
Diez de Velasco Vallejo, M., International Law
Fenech Navarro, M., Procedural Law
Fernandez-Galiano Fernandez, Philosophy of Law
Fernandez-Miranda Hevia, T., Public Law
Ferrer Sama, A., Penal Law
Galan Gutierrez, E., Philosophy of Law
Garcia de Enterria y Martinez-Carande, E., Administrative Law
Garcia-Gallo de Diego, A., Spanish Law
Gibert y Sanchez de la Vega, R., Spanish Law
Giron Tena, J., Commercial Law
Guasp Delgado, J., Procedural Law
Hernandez-Gil, A., Civil Law
Hernandez Rubio Cisneros, J. M., Public Law
Hernandez-Tejero Jorge, F., Roman Law
Iglesias Santos, J., Roman Law
Lopez-Rodo, L., Administrative Law
Maldonado y Fernandez del Torco, J., Canon Law
Manzano y Manzano, J., History of Spanish Law
Martin Martinez, I., Canon Law
Naharro Mora, J. M., Political Economy
Prados-Arrarte, J., Political Economy
Rodriguez-Devesa, J. M., Penal Law
Ruiz-Gimenez Cortes, J., Philosophy of Law
Sainz Martinez de Bujanda, F., Financial Law
Sanchez-Agesta, L., Public Law
Sebastian Herrador, M., Public Finance
Villar-Palaso, J. L., Administrative Law

Faculty of Medicine:

Armijo Valenzuela, M., Hydrology
Botella Llusia, J., Obstetrics and Gynaecology
Bravo Oliva, J., Microbiology
Bullon Ramirez, A., Anatomy
Cabre Piera, J., Dermatology
Calatrava Paramo, L., Stomatology
Casado de Frias, E., Paediatrics
Duran Sacristan, H., Surgery
Elio Membrado, F. J., Anaesthesiology
Espinos Perez, D., Pathology
Fernandez Cruz, A., Pathology
Fuente Chaos, A. de la, Surgery
Gallego Fernandez, A., Physiology
Garcia de Jalon Hueto, P., Chemical Pharmacy
Garcia Sanchez, J., Ophthalmology
Gil Gayarre, M., Physical Therapeutics
Gilsanz Garvia, V., Pathology
Gomez Oliveros, L., Anatomy
Gomez Orbaneja, J., Dermatology
Lain Entralgo, P., History of Medicine
Lopez Viejo, A., Stomatology
Lucas Tomas, M., Stomatology
Moreno Gonzalez, J. P., Stomatology
Oriol Bosch, A., Endocrinology
Piedrola Gil, G., Hygiene
Piga Sanchez Morate, B., Forensic Medicine
Poch Viñals, R., Oto-Rhino-Laryngology
Rio de las Heras, F. del, Stomatology
Sol Fernandez, J. R. del, Obstetrics and Gynaecology
Tamarit Torres, J., Physiology
Zamorano Sanabra, L., Histology

Faculty of Pharmacy:

Barcelo Coll, J., Vegetal Physiology
Cadorniga Carro, R., Pharmacy
Casares Lopez, Bromatology
Doadrio Lopez, A., Inorganic Chemistry
Folch Jou, G., History of Pharmacy
Gaston de Iriarte, E., Microbiology
Gomez-Serranillos Fernandez, M., Pharmacy
Gonzalez-Castro, J., Parasitology
Gonzalez Trigo, G., Organic Chemistry
Hoyos de Castro, A., Pedology
Otero Aenlle, E., Physics
Rivas Martinez, S., Botany
Santos Ruiz, A., Biochemistry
Varela Mosquera, G., Animal Physiology

Faculty of Veterinary Medicine:

Carda Aparici, P., Pathology
Cuenca y Gonzalez-Ocampo, C. L. de, Genetics
Gallego Garcia, E., Histology
Gonzalez Gonzalez, G., Phthisiology
Illera Martin, M., Physiology
Lopez Lorenzo, P., Food Biochemistry
Martin Roldan, R., Anatomy
Perez Perez, F., Surgery
Puchal y Mas, F., Zootechnics
Ruiz Amil, M., Biochemistry
Sans Perez, B., Bromatology
Sanz Sanchez, F., Pharmacology
Sanchez Botija, C.
Suarez Fernandez, G., Microbiology

Faculty of Economics and Management:

Alcaide Inchausti, A., Econometrics
Anes Alvarez, G., Economic History
Berlanga Barba, M., Business Economics
Bourkaib Broussain, J., Prices Insurance Law
Cotorruelo Sendagorta, A., Economic Policy
Echevarria Gangoiti, J. M., Economic Theory
Fernandez-Pirla, J. M., Business Economics
Figueroa Martinez, E. de, Economic Policy
Fuentes Quintana, E., Public Finance
Gil-Pelaez, L., Mathematics of Financial Operations
Irastorza Revuelta, J., Economic Policy
Lopez-Moreno, M. J., Business Economics
Lozano Irueste, J. M., Spanish Public Finance
Martinez Cortiña, R., Economic Structures
Nieto de Alba, U., Mathematical Theory of Insurance
Rivero Romero, J., Business Accountancy
Rojo Duque, L. A., Economic Theory
Schwartz Giron, P., History of Economic Doctrines
Segura Sanchez, J., Economic Theory
Suarez Suarez, A. S., Business Economics
Varela Parache, M., International Economic Organization
Vegas Perez, A., Statistics
Velarde Fuertes, J., Economic Structures

Faculty of Political Sciences:

Borrajo Dacruz, E., Labour Law
Campo Urbano, S. del, Sociology
Diez-Nicolas, J., Human Ecology
Diez del Corral Pedruzo, L., History of Political Ideas and Forms
Espin Canovas, D., Civil Law
Fraga Iribarne, M., Theory of the State
Fueyo Alvarez, J. F., Political Theory
Garcia-Trevijano Fos, J. A., Administrative Law

Garrido Falla, F., Administrative Law
Gimenez y Martinez de Carvajal, J., Public Ecclesiastical Law
Gonzalez-Seara, L., Sociology
Maravall Casesnoves, J. A., History of Spanish Political Thought
Martin Lopez, E., Sociology of Communication
Ollero Gomez, C., Theory of the State
Poch Gutierrez de Caviedes, A., Diplomatic Law
Rodriguez Rodriguez, F., Social Policy
Truyol Serra, A., International Law
Uria Gonzalez, R., Commercial Law

Faculty of Information Sciences:

Castillo Castillo, J., Sociology
Nieto Tamargo, A., Business Information
Perez de Armiñan, G., Political Economy
Seco Serrano, C., History of Spain
Varela Iglesias, J. L., Literature

UNIVERSIDAD AUTÓNOMA DE MADRID

CIUDAD UNIVERSITARIA,
CANTO BLANCO,
MADRID 34

Telephone: 734-01-00.

Founded 1968.

Language of instruction: Spanish.

Rector: Gratiniano Nieto Gallo.
Secretary-General: Aurelio Guaita Martorell.
Librarian: Vicente Llorca Zaragoza.

The library contains 78,343 vols.

Number of teachers: *c.* 1,000.
Number of students: 12,300.

Deans:

Faculty of Medicine: José María Segovia de Arana.
Faculty of Economics: Antonio Calafell Castelló.
Faculty of Philosophy and Letters: Miguel Dolç Dolç.
Faculty of Science: José Ignacio Fernández Alonso.
Faculty of Law: Gonzalo Rodríguez Mourullo.

UNIVERSIDAD DE MÁLAGA

EL EJIDO, MÁLAGA

Telephone: 25-50-54.

Founded 1972.

State control; Language of instruction: Spanish; Academic year: October to July.

Rector: Prof. José M. Smith Agreda.
Vice-Rectors: Domingo Sánchez-Mesa Martín (University Extension), José Castilla Gonzalo (Academic Affairs), José María Otero Moreno (Research).
Administrative Officer: Marcelino Sánchez Pérez.

Library of 84,773 vols.

Number of teachers: 596.
Number of students: 9,344.

Publications: *Cuadernos de Ciencias Económicas y Empresariales*† (2 a year), *Revista de Estudios Regionales*† (2 a year).

Deans:

Economic and Business Sciences: Prof. D. José María Requena Rodríguez.
Medicine: Prof. D. Felipe Sánchez de la Cuesta y Alcarcón.
Science: Dra. Aurora Rodríguez García.
Philosophy and Letters: Prof. Eusebio García Manrique.
University School of Business Studies: Luís Cabra Fernández.
University School of Teacher Training: Manuel del Campo y del Campo.
University School of Industrial Engineering: José María Alonso Pedreira.
Institute of Education: Alfonso García Barbancho.

UNIVERSIDAD DE MURCIA

SANTO CRISTO 1, MURCIA

Telephone: 249200.

Founded 1915.

State control; language of instruction: Spanish; Academic year: October-June.

Rector: D. Francisco Sabater García.
Secretary-General: D. Antonio Soler Andrés.
Director: D. Augusto Pardo Granados.
Librarian: Doña Carmen Fernández Villamil.

Library: f. 1916; 78,000 vols.

Number of teachers: 670.
Number of students: 12,700.

Publications: *Anales* (quarterly), and *Monteagudo*.

Deans:

Faculty of Philosophy and Letters: Dr. Luis Rubio García.
Faculty of Law: Dr. Mariano Hurtado Bautista.
Faculty of Science: Dr. Antonio Soler Martínez.
Faculty of Medicine: Dr. D. Francisco Gomar Guarner.

Attached Institutes:

Escuela Universitaria de Estudios Empresariales: Avda. Isaac Peral, Murcia.

Escuela Universitaria de Ingeniería Técnica Industrial: Paseo Alfonso XIII 34, Cartagena, Murcia.

Escuela Universitaria de Ingeniería Técnica Minera: San Antón, Cartagena, Murcia.

UNIVERSIDAD DE NAVARRA

CIUDAD UNIVERSITARIA,
PAMPLONA

Telephone: 34-48-252700.

Founded 1952.

Private control; Language of instruction: Spanish; Academic year: October to June.

Chancellor: Alvaro del Portillo.
Vice-Chancellor: **Florencio Sánchez-Bella.**
Rector: **Francisco Ponz.**
Vice-Rectors: Ismael Sánchez Bella, Joaquín Casellas, Alfonso Nieto.
Financial Affairs: Juan Francisco Montuenga.
General Secretary: Isidoro Rasines.
Manager: Eduardo Guerrero.
Librarian: Angel Martín Duque.

Number of teachers: 734.
Number of students: 7,797.

Publications: *Revista de Medicina, Ius Canonicum, Nuestro Tiempo, Scripta Theologica, Redacción, Anuario Filosófico, Anuario de Derecho Internacional, Persona y Derecho.*

Deans:

Faculty of Law: Javier Hervada.
Faculty of Arts: Angel Martín Duque.
Faculty of Information Science: Carlos Soria.
Faculty of Medicine: Eduardo Ortiz de Landázuri.
Faculty of Canon Law: Amadeo de Fuenmayor.
Faculty of Pharmacy: Jesús Larralde.
Faculty of Science: Jesús Jaime Vázquez.
Faculty of Theology: José María Casciaro.
Higher Technical School of Industrial Engineering: Joaquín Casellas Roure.
Higher Technical School of Architecture: Javier Lahuerta Vargas.
Business School: Fernando Pereira.

Directors of Affiliated Schools and Institutes:

School of Technical Engineering: José Ma. Montes Andía.
School of Laboratory Technicians: Salvador Valdés.
Institute of Liberal Arts: Luka Brajnovic.
Institute of Modern Languages: José Dawid.
Institute of Administration: Esther del Val de Diego.
Institute of Educational Sciences: Esteban Santiago.
Institute of Spanish Language and Culture: Jesús Cañedo.
School of Librarianship: Nuria Orpi.
School of Nursing: Amelia Fontán.

Professors:

Faculty of Law:

Cuesta, José de la, Commercial Law
Fuenmayor, Amadeo de, Civil Law

Gallego Anabitarte, Alfredo, Administrative Law
Garcia Gonzalez, Rafael, Labour Law
Gutierrez de Cabiedes, Eduardo, Procedural Law
Hervada, Javier, Natural Law
Lombardía, Pedro, Canon Law
Ors, Alvaro d', Roman Law
Ortego, José, Criminal Law
Pecourt, Enrique, International Law
Sánchez Bella, Ismael, History of Law
Sancho, Francisco, Civil Law
Ullastres, Alberto, Economics
Zafra, José, Political Law

Faculty of Canon Law:
Arias Gomez, Juan, Codex Texts
Delgado Del Rio, Gregorio, Church Organization
Diego Lora, Carmelo de, Codex Texts
Fornés, Juan, Personal Law
Fuenmayor Champin, Amadeo de, Civil Law
Hervada Xiberta, Javier, Canon Law
Labandeira, Eduardo, Procedural Law
Lombardia Díaz, Pedro, Canon Law
Orlandis Rovira, José, History of Law
d'Ors Perez-Peix, Alvaro, Roman Law
Viladrich, Pedro J., Constitutional Law

Faculty of Arts:
Adao de Fonseca, Luis, Medieval History
Angelleli, Ignacio, Logic
Barandiaran, José Miguel, Basque Language
Cañedo, Jesús, Spanish Literature
Castillo, Carmen, Latin
Choza Armenta, Jacinto, Philosophical Anthroplogy
Echaide, Ana M., Spanish Language
Ferrer, Manuel, Geography
Floristán, Alfredo, Geography
García Gainza, Concepción, History of Art
García Larragueta, Santos, Palaeography
González Ollé, Fernando, Spanish Language
Halffter, Cristobal, Music
Herculano de Carvalho, José, Portuguese
Iñiguez, Francisco, History of Art
Lacarra, José María, History of Navarre
Llano, Alejandro, Epistemology
Martín Duque, Angel, Medieval History
Millan Pueyes, Antonio, History of Contemporary Philosophy
Polo, Leonardo, History of Philosophy
Redondo, Emilio, History of Education
Rodríguez Rosado, Juan José, Metaphysics
Sanmarti, Francisco, Greek Language and Literature
Strobl, Wolfgang, Philosophy of Science
Suárez Verdeguer, Federico, Modern History
Vázquez de Prada, Valentin, Modern Spanish History
Vicere, Jean François, French Language and Literature

Faculty of Medicine:
Arcas, Ramón, Thoracic Surgery
Arroyo, José Luis, Anaesthesiology
Barraquer B., Luis, Neurology
Cañadell Carafi, José, Orthopaedic Surgery
Cervera, Salvador, Psychiatry
Chordi, Andres, Immunology
Conchillo Teruel, Federico, Digestive System
Diaz, Ramón, Microbiology
Evangelista B., Manuel, Social Medicine
Girón Blanc, J. Joaquín, Obstetrics and Gynaecology
Gonzalo Sanz, Luis Ma., Anatomy
Herranz, Gonzalo, Pathological Anatomy
Jiménez Vargas, Juan, Physiology
Martínez Caro, Diego, Cardiology
Martínez Lage, José Manuel, Neurology
Moncada L., Emilio, Endocrinology
Oehling Ruiz, Alberto, Allergology
Olivares Baque, Carlos, Dermatology
Ortiz de Landazuri, Eduardo, Internal Medicine
Paniagua Arellano, Juan Antonio, History of Medicine
Quintanilla, Emilio, Dermatology
Santiago, Esteban, Biochemistry
Vazquez, Jesús, Histology
Villa, Ignacio, Paediatrics
Voltas Baro, Juan, Surgery

Faculty of Pharmacy:
Alvarez de la Vega, Félix, Biopharmacy
Bello, José, Bromatology
Clavera, José M., Physical Chemistry
Iñiguez Herrero, Jaime, Edaphology
Larralde Berrio, Jesús, Animal Physiology
Lluch Trull, Marcelino, Pharmacology
Lopez, Ma. Luisa, Botany
Muñoz, José María, Botany
Rasines, Isidoro, Inorganic Chemistry
Santiago C., Esteban, Biochemistry

Faculty of Theology:
Cardona, Carlos, Elements of Philosophy
Casciaro, José Ma., New Testament
Garcia-Bañon, Amador, History of Theology
García de Haro, Ramón, Fundamental Moral Theology
Goñi Gaztanbide, José, History of the Church
Illanes, José L., Dogmatic Theology
Martín Moreno, Antonio, Theology
Mateo-Seco, Lucas Francisco, Greek Patrology
Miralles, Antonio, Sacramental Theology
Orlandis, José, History of the Medieval Church
Pujol Balcells, Jaime, Pastoral Theology and Catechism
Ramos Lison, Domingo, Latin Patrology
Redondo, Gonzalo, History of the Church
Rodriguez, Pedro, Ecclesiology

School of Industrial Engineering:
Aguilar Clavijo, Manuel, Siderurgy
Bueno Z., Ramón M., Motors
Casellas, Joaquín, Mechanics
Cendoya Isasa, Manuel, Electrical Technology
Idarreta, Antonio, Economic Theory
Jordana Butticaz, Carlos, Elementary Electrical Techniques
Miró Nicolau, José, Servomechanics and Regulation
Morena C., Manuel de la, Physical Chemistry and Thermodynamics
Olascuaga Ezcurra, Ignacio, Mechanical Technology
Ramírez, Diego, Operational Research
Sánchez Rodríguez, Juan J., Electronics
Tejerizo Arnal, Francisco, Applied Machine Mechanics
Urquia Saldua, Francisco J., Resistance of Materials

School of Architecture:
Araújo, Ignacio, Means of Expression
Borobio, Luis, Aesthetics
Caruajal Ferrer, Javier, Projects
Echaide, Rafael, Projects
Gil-Nebot, Leopoldo, Projects
Iñiguez, Francisco, History of Art
Kaas, Adam, Conditioning and Services
Lahuerta, Javier, Structures
Lahuerta, Juan, Construction
Martínez Caro, Carlos, Town Planning
Moya Blanco, Luis, Aesthetics and Composition
Nagore, Fernando, Technical Drawing
de Sierra Ochoa, Alfonso, Works and Business Organization
Sobrini Martín, Carlos, Projects
Urmeneta Ajarnaute, Ramón, Construction

Graduate School of Business Administration (IESE):
Abadía Pocino, Leopoldo, Business Policy
Agell, Pedro, Mathematics
Aranda, N. F., Commercial Management
Argandoña, Antonio, Business Policy
Arquer Armangue, Joaquín de, Business Policy
Bultó Font, Manuel, Business Policy
Burmeister, Harold, Finance
Camacho y Fernández de Cañedo, Fernando, Finance
Cavalle Pinos, Carlos, Production
Dionís, Lorenzo, Production
Dominguez del B., Francisco, Business Policy
Elorduy Taubmann, Juan M., Business Policy
Farran, Juan, Marketing Management
Faus Pascuchi, José, Managerial Economics and Statistics
Figuerola Esquius, José, Systems
Gallo Laguna de Rins, Miguel A., Business Policy
Ginebra Torra, Juan B., Marketing Management
Gomez López-Egga, Pedro, Business Policy
Huerta, H., Félix, Finance
Masifern, Esteban, Systems
Meseguer A., Ramón, Human Behaviour in the Organization
Mustienes Laguarta, José A., Marketing Management
Nueno Iniesta, Pedro, Production
Ocariz, B. J., Production
Palacios R., Juan A., Finance
Pereira Soler, Fernando, Control
Pérez L., J. A., Human Behaviour in Organizations
Riverola G., José, Mathematical Techniques
Rodríguez Porras, José María, Human Behaviour in Organizations
Roig Amat, Barto, Business Policy
Subira Claus, Antonio, Managerial Economics and Statistics
Termes C., Rafael, Finance
Toribio D., Juan, Business Policy
Valero Vicente, Antonio, Business Policy
Vazquez Dodero, J. Carlos, Quantitative Analysis
Yllanes Iglesias, Luis, Personnel Management

Faculty of Sciences:
Amo Gili, Álvaro, Genetics
Bastero Eleizalde, José Ma., Mechanics

Benito Ruiz, Luis, Mathematics
Casares B., José, General Physics
Iñiguez H., Jaime, Edaphology
Iraburu L., Francisco J., Mathematics
Jordana Buticaz, Rafael, Zoology
Lopez, María Luisa, Botany
Lopez Roman, Antonio, Environmental Science
Miro N., José, Electronics
Morena, Manuel de la, Thermodynamics
Ponz, Francisco, Animal Physiology
Ramírez Duro, Diego, Mathematics
Sancho Rebullida, Facundo, Physics
Santiago Calvo, Estebán, Biochemistry
Vazquez García, Jesús, Cytology and Histology

Faculty of Information Sciences:
Brajnovic Davinovic, Luka, Technology
Casado Velarde, Manuel, Spanish Language
Faus Belau, Angel, Broadcasting
Floristan Samanes, Alfredo, Geography
Giner, J. A., Public Opinion
Gómez Anton, Francisco, Politica Institutions
Lopez Escobar, Esteban, Information Theory
Nieto, Alfonso, Information Management
Polo, Leonardo, Basic Philosophy
Soria Saiz, Carlos, Information Law
Suarez Verdeguer, Federico, History
Tallon Garcia, José, Journalism
Vazquez de Prada, Valentín, Modern Spanish History

Institute of Education Sciences:
Castillo Ceballos, Gerardo, Education
Fernández Otero, Oliveros, Management of Education Centres
González-Simancas, José Luis, Education
Isaacs, David, Management of Education Centres
Navarro F., Ana María, Orientation
Salvador García, Carlos, Education
Vazquez Gómez, Gonzalo, Education

Attached Institutes:

Instituto Martín Azpilcueta: Biblioteca de Humanidades; Dir. Pedro Lombardía.

Centro de Cálculo: Urdaneta 7, San Sebastián; Dir. F. P. Moller.

Centro de Investigaciones Técnicas de Guipúzcoa: Av. de Tolosa, Ibaeta, San Sebastián; Dir. Francisco Tejerizo.

Escuela Profesional de Medicina Interna: Facultad de Medicina; Dir. Eduardo Ortiz de Landázuri.

Laboratorio de Edificación: Escuela Técnica Superior de Arquitectura; Dir. Javier Lahuerta.

Clínica Universitaria: Universidad de Navarra; Dir. José María Cañadell.

UNIVERSIDAD DE OVIEDO

CALLE SAN FRANCISCO, OVIEDO
Telephone: 21-98-85.
Founded 1608.

Language of instruction: Spanish; State control; Academic year: October to June.

Rector: Dr. Teodoro López-Cuesta Egocheaga.

Vice-Rectors: Dr. Emilio Anadón Frutos, Dr. Carlos Bertrand Bertrand, Dr. Miguel Abad Gavín.

Secretary-General: (vacant).

Librarian: Dra. Herminia Rodríguez Balbín.

The library contains 152,000 vols.

Number of teachers: 1,090.
Number of students: 22,685.

Publications: *Revista de Ciencias, Archivum, Speleon, Monografías del Instituto Juridico, Anales de la Facultad de Veterinaria, Boletín del Centro de Estudios del siglo XVIII.*

Deans:

Faculty of Law: Dr. Armando J. Torrent Ruiz.
Faculty of Philosophy and Letters: Dr. Eloy Benito Ruano.
Faculty of Science: Dr. José Coca Prados.
Faculty of Veterinary Medicine: Dr. José Luis Sotillo Ramos.
Faculty of Medicine: Dr. Antonio Pérez Casas.
Faculty of Economics: Dr. Luis Carlón. Sánchez.
Faculty of Biology: Dr. Eduardo Cadenas Bergúa.
Higher Technical School of Mining: Dr. Luis Fernández Velasco.

Professors:

Faculty of Law:
Amigo, Manuel García, Civil Law
De la Concha Martínez, Ignacio, History of Law
González Campos, Julio, International Law
Iglesias Cubria, Manuel, Civil Law
López-Cuesta Egocheaga, Teodoro, Economics
Macía Manso, Ramón, Philosophy of Law
Montes Penadés, Vicente, Civil Law
Montero Arocá, Juan, Procedural Law
Muñoz Martínez, José M., Mercantile Law
Sosa Wagner, Francisco, Administrative Law
Suárez Montes, Rodrigo, Penal Law
Torrent, Armando, Roman Law
Valle y Cienfuegos-Jovellanos, José Ma. Gonzalez de, Canon Law
Vallina Velarde, Juan Luis de la, Administrative Law

Faculty of Science:
Agueda Villar, José A., Stratigraphy and Historical Geology
Anadon Frutos, Emilio, Zoology
Arribas Jimeno, Siro, Analytical Chemistry
Barluenga Mur, José, Organic Chemistry
Coca Prados, José, Industrial Chemistry
Egocheaga Rodríguez, José E., Anthropology
Espurz Sánchez, Antonio, Theoretical and Experimental Physics
Gascón Muñoz, Santiago, Biochemistry
Gil Alvarez, Pedro A., Research
Gomez Beltrán, Fermín, Physical Chemistry
Hardisson Rumeu, Carlos, Microbiology
Martinez García, Enrique, Structural Geology
Mas Franch, Luis, Theoretical Mechanics
Mata Arjona, Andrés, Inorganic Chemistry
Mayor López, Matías, Botany
Montoto San Miguel, Modesto, Petrology
Morey Andreu, Miguel, Ecology
Raviña Rubiera, Enrique, Organic Chemistry
Rubio Cardiel, Julián, Genetics
Sánchez de la Torre, Luis, Geology
Sánchez Tamés, Ricardo, Vegetal Physiology
Solans Huguet, Joaquín, Cristalography
Tejedor Gancedo, Marcos, Electricity and Magnetism
Truyols Santonja, Jaime, Palæontology

Faculty of Veterinary Medicine:
Abad Gavín, Miguel, Surgical Pathology and Reproduction
Bascuas Asta, José A., Histology and Pathological Anatomy
Burgos González, Justino, Industries
Cordero del Campillo, Miguel, Parasitology
García Partida, Paulino, Pathology
Moreno Garcéa, Benito, Bromatology
Santiago Laguna, Diego, Pharmacology and Toxicology
Sotillo Ramos, José Luis, Animal Production
Suárez Suárez, Andrés, Agriculture and Agricultural Economics
Villar Larcilla, José Ma., Anatomy

Faculty of Philosophy and Letters:
Alarcos Llorach, Emilio, Spanish Historical Grammar
Alvarez Buylla-Alvarez, José Benito, English Literature
Aragón Fernandez, Aurora, French Linguistics
Benito Ruano, Eloy, History
Bobes Naves, Carmen, Literary Criticism
Bueno Martínez, Gustavo, Philosophy
Caso González, José, Spanish Literature
Cid Priego, Carlos, Art
Galmés de Fuentes, Alvaro, Philology
García Teijeiro, Manuel, Greek Philology
Mangas Manjarrés, Julio, Ancient History
Martínez Cachero, José M., Spanish Literature
Millán Urdiales Campos, José, French Language and Literature
Moralejo Alvarez, José L., Latin
Quirós Linares, Francisco, Geography
Shaw Fairman, Patricia, English

Faculty of Medicine:
Alemany Lamana, Mariano, Biochemistry
Alvarez Fernández, Jesús, Pathology and Surgery
Bráñez Cepero, Enrique, Histology
Crespo Hernandez, Manuel, Paediatrics
Pérez Casas, Antonio, Anatomy

Faculty of Economics and Business Studies
Carlón Sánchez, Luis, Mercantile Law
García Delgado, José L., Comparative Economic Institutions

Faculty of Biology:
- Cadenas Bergua, Eduardo, Biochemistry
- Valdés Castrillón, Benito, Botany

Institute of Mining:
- Bertrand Bertrand, Carlos, Ore dressing
- Blazquez García, Isidoro, Design and Systems of Representation
- Bueno Ramallo, Gonzalo, Technical Mechanics
- Conde Sánchez, Carlos, Mathematics
- Corrales Zarauza, José Antonio, Physical Chemistry
- Fernández Felgueroso, José María, Mining
- Fernández Velasco, Luis, Metallurgy
- García-Conde Cenal, José Ramón, Chemistry
- Garzon Ruiperez, León, Nuclear Energy
- Martínez Alvarez, José Antonio, Geology
- Moraleda Llopis, Angel, Power stations
- Pérez Silva, Francisco, Generators
- Pero-Sanz, Elorz, José Antonio, Applied Physical Metallurgy
- Represa del Prado, Manuel, Management
- Suárez Rodríguez, Agustín, Iron Metallurgy
- Valcarcer García, Antonio, Mining

UNIVERSIDAD PONTIFICIA DE SALAMANCA

CALLE COMPAÑÍA 1, SALAMANCA

Telephone: 212769 and 212260.

Founded 1134 as the Ecclesiastical School of Salamanca Cathedral; named a University by Alfonso IX of León in 1219. The University had ceased to function by the end of the 18th century, but was restored to its former activities in 1940 by Pope Pius XII.

Private control; Language of instruction: Spanish; Academic year: October to June,

Grand Chancellor: H.E. Vicente Enrique y Tarancón, Archbishop of Madrid.

Rector: Ilmo. Fernando Sebastián Aguilar.

General Secretary: Dr. Juan Luis Acebal Luján.

Director of Library: Dr. Enrique Llamas Martínez.

The library contains 80,000 vols. and numerous MSS.

Number of teachers: 112.

Number of students: 1,776.

Publications: *Salmanticensis*†, *Helmántica*†, *Boletín de Información*†, *Cuadernos Salmantinos de Filosofía*†, *Diálogo Ecuménico*†, *Colectanea de Jurisprudencia Canónica*†, and many religious, philosophical and other works.

Deans:

Faculty of Theology: Dr. Gabriel Pérez Rodríguez.

Faculty of Canon Law: Dr. Juan Sánchez y Sánchez.

Faculty of Philosophy: Dr. Saturnino Alvarez Turienzo.

Faculty of Trilingual Biblical Philology: Dr. José Oroz Reta.

Faculty of Education: Dr. Juan A. Cabezas Sandoval.

Faculty of Psychology: Dr. Gerardo Pastor Ramos.

Faculty of Political and Social Sciences: Dr. Manuel Capelo Martínez.

Affiliated Institutes:

Higher Institute of Pastoral Studies: Paseo Juan XXIII 3, Madrid 3.

"Pius X" Higher Institute of Catechetical Studies: Marqués de Mondejar 32, Madrid 28.

Theological Institute of the Religious Life: Colmenar Viejo, Madrid.

San Esteban Theological Institute: Plaza Concilio de Trento 4, Salamanca.

Higher Institute of Philosophy: Plaza de San Pablo 4, Valladolid.

"Luis Vives" Professional University Schools: Avda. de los Maristas 7, Salamanca.

UNIVERSIDAD DE SALAMANCA

PATIO DE ESCUELAS 1, APDO. 20, SALAMANCA

Telephone: 21-36-05, 21-68-00-03-04.

Founded 1218 by Alfonso IX of León and reorganized 1254 by Alfonso X of Castile.

Rector: **Julio Rodríguez Villanueva.**

Vice-Rectors: Dolores Gómez Molleda, José de los Mozos y de los Mozos.

Secretary: **José Angel García Rodríguez.**

Administrator: Benigno I. González Diéz.

Librarian: Teresa Santander Rodríguez.

Library: *c.* 190,000 vols. and MSS.; the Faculty libraries have an additional 50,500 vols.

Number of teachers: 580.

Number of students: 16,000.

Publications: *Acta Salmanticensia*, 4 series (Letters, Law, Sciences, Medicine), *Theses et Studia Philologica Salmanticensia* (Classical Philology), *Tesis y Estudios Salmantinos* (Romance Philology and Literature), *Discursos Académicos*, *Cuadernos de la Cátedra Miguel de Unamuno* (Faculty of Philosophy and Letters), *Zephyrus* (Archaeology), *Cuadernos de Historia de la Medicina Española* (Faculty of Medicine) *Memoria, Guia.*

Deans:

Faculty of Philosophy and Letters: Dr. Francisco Jordá Cerdá.

Faculty of Law: Alfredo Calonge Metellanes.

Faculty of Science: Joaquín de Pascual Teresa.

Faculty of Medicine: Dr. Pedro Amat Muñoz.

Faculty of Pharmacy: Dr. Alfonso Domínguez-Gil Hurlé.

Professors:

Faculty of Philosophy and Letters:
- Bustos Tovar, Eugenio de, History of the Spanish Language
- Caamaño Martín, Jesús, General History of Art
- Cabo Alonso, Angel, Geography
- Castresana Udaeta, Ricardo, Latin Philology
- Codoñer Merino, Carmen, Greek Philology
- Cortés Vázquez, Luis, French Philology
- Coy Ferrer, Javier, English Philology
- Fernández Alvarez, Manuel, Modern History
- Gómez Molleda, Dolores, Contemporary History
- Hoz Bravo, Javier de, Greek Philology
- Jordá Cerdá, Francisco, Epigraphic archaeology and numismatics
- Llorente Maldonado, Antonio, Grammar and Literary Criticism
- Martín Rodríguez, José Luis, Medieval History
- Michelena Elissalt, Luis, Indoeuropean Language
- Navarro González, Alberto, Spanish Language and Literature
- Pensado Tomé, José Luis, Romance Philology
- Peréz Varas, Feliciano, German
- Real de la Riva, César, Spanish Language and Literature
- Vigil Pascual, Marcelo, Ancient History

Faculty of Science:
- Agapito Serrano, Juan A. de, Electricity band Magnetism
- Alvarez González, José R., Technical Chemistry
- Arribas Moreno, Antonio, Crystallography and Mineralogy
- Bañares Muñoz, Miguel A., Inorganic Chemistry
- Cabezas Fdez., del Campo, José A., Biochemistry
- Casaseca Mena, Bartolomé, Botany
- Cuesta Dutari, Norberto, Mathematical Analysis
- Galán Gutiérrez, Fernando, Biochemistry
- García de Figuerola, Luis C., Petrology
- García Loygorri, Cristóbal, Algebra and Topology
- García Pérez, Pedro L., Analytical Geometry
- Garmendia Iraundegui, José, Physics
- Herraéz Zarza, Miguel A., Physical Chemistry
- Nicolás Rodrígo, Gregorio, Vegetal Physiology
- Pascual Teresa, Joaquín de, Organic Chemistry
- Porta Vernet, Jaime de, Palaeontology
- Rodríguez Villanueva, Julio, Microbiology
- Sancho Guimerá, Juan B., Geometry

Faculty of Law:
- Begue Cantón, Gloria, Political Economy and Public Finance
- Beltrán de Heredia, Pablo, Civil Law
- Bercovitz Rodríguez-Cano, Alberto, Commercial Law
- Calonge Matellanes, Alfredo, Roman Law
- Delgado Pinto, José, Natural Law and Philosophy of Law
- Echeverría, Lamberto de, Canon Law

- Ramírez de Arellano, Vicente, International Law
- Rivero Irsen, Enrique, Administrative Law
- Los Mozos, José Luis de, Civil Law
- Tomás y Valiente, Francisco de, History of Law
- Vega García, Pedro de, Political Law

Faculty of Medicine:

- Amat Muñoz, Pedro, Anatomy
- Anitua Solano, Manuel, Anatomy
- Bayo Bayo, José Ma., Pharmacology and General Therapeutics
- Cañizo Suárez, Casimiro del, Otorhino-laryngology
- Castro del Pozo, Sisinio de, General Pathology
- García Rodríguez, José Angel, Microbiology and Parasitology
- Gómez Alonso, Alberto, Surgical Pathology
- López-Ibor Aliño, Juan José, Psychiatry
- Querol Navas, Fermín, Pathology and Clinical Medicine
- Salazar Alonso-Villalobos, Valentín, Paediatrics and Puericulture
- Sánchez Granjel, Luis, History of Medicine
- Sopena y Dasi, Marcos, General Physiology and Biochemistry
- Tamames Escobar, Santiago, Pathology and Biochemistry
- Valle Jiménez, Angel, Histology

Affiliated Institution:

Colegio Trilingüe: Salamanca Section of the Consejo Superior de Investigaciones Científicas.

Director: The Dean of the Faculty of Philosophy and Letters.

UNIVERSIDAD DE SANTANDER

AVDA. DE LOS CASTROS S/N,
SANTANDER

Telephone: 27-45-00, 27-45-12.

Founded 1972.

State control; Language of instruction: Spanish.

Rector: José Ma. Trillo de Leyva.
Vice-Rector: Eugenio Villar García.
Registrar: Salvador Bracho del Pino.

Number of teachers: 368.
Number of students: 4,400.

Publication: *Memoria de la Universidad*† (annually).

Deans:

Faculty of Science: José Luis García.
Faculty of Medicine: Jesus Florez Beledo.
Higher Technical School of Roads, Canals and Ports: Ricardo Quince Salas.

Professors:

Faculty of Science:

- Amorós Arnau, Jaime, Thermology
- Bonet Hortelano, Aurelia, General Physics
- Bracho Del Pino, Salvador, Electronics
- Burón Romero, Angel Ma., Electronics
- Cendrero Uceda, Antonio, Geology
- García García, José Luis, Electricity and Magnetism
- Loriente Escallada, Enrique, Biology
- Martínez Verduch, José Ramón, Algebra and Topology
- Moreno Más, Miguel, Solid State Physics
- Noguerol Pérez, Manuel, General Chemistry
- Rebolledo Sanz, Miguel Angel, Optics
- Rodríguez Sánchez-Puerta, Fernando, Mathematical Analysis
- Torres Iglesias, Miguel, Mathematics
- Trillo de Leyva, José Ma., Inorganic Chemistry
- Villar García, Eugenio, Thermodynamics and Statistical Mechanics

Faculty of Medicine:

- Arce García, José Luis, Paediatrics
- De La Lastre, Sainz, José Domingo, Obstetrics and Gynaecology
- Del Val Bernal, Fernando, Pathological Anatomy
- Diez Manrique, Francisco, Psychiatry
- Florez Beledo, Jesús, Pharmacology
- Carcía-conde Bru, Javier, General Pathology
- Gómez Durán, Carlos, Surgical Pathology
- Gonzalo Vivar, Francisco, Surgical Pathology
- Herrero Zapatero, Vidal, Ophthalmology
- Herreros Fernández, Benito, Biochemistry
- Jordá Catalá, Juán José, Human Physiology
- Lafarga Coscojuela, Miguel Angel, Histology
- Mellado Pollo, Antolín, Microbiology
- Mendiola Ambrosio, María Victoria, Biology
- Mozota Sagardía, José Ramón, Otorhino-laryngology
- Navarro, Valdewerg, Octavio, Dermatology
- Ojeda Sahagún, José Luis, Human Anatomy
- Samaniego Rodríguez, Carlos, Psychology
- Villegas Pereira, José Manuel, Biostatistics

Higher Technical School of Roads, Canals and Ports:

- Alcón Albertos, Vicente, Sanitary Engineering
- Altadill Torné, Antonio, Hydraulics
- Bengoa Porras, Ezequiel, Construction Materials, Building and Prefabrication
- Cantera López, Enrique, Mechanics
- De La Lastra Santos, Domingo, Town Planning
- García Medina, Lorenzo, Metal Structures and Structural Typology
- Gómez Laá, Guillermo, Geology applied to Public Works
- Gurruchagá Ruíz, José A., Electrical Engineering
- Hacar, Benitez, Miguel Angel, Hydraulics
- Hernández García, Simón, Reinforced and Prestressed Concrete
- Izquierdo De Bartolomé, Rafael, Transport Co-ordination and Economy
- López Novales, Jesús, Physics
- Lorenzo, Navascués, Juán, Projects
- Martínez de la Vega, Pedro Aguilar, Ports
- Montalbán, Fernández, Francisco, Differential Geometry
- Montero García, Luis, Ports
- Plaza Asenjo, José A., Roads and Airports
- Samartín Quiroga, Avelino, Structures
- Uriarte, González, Angel, Economics

University Institutes:

Escuela Universitaria del Profesorado de Educación General Básica: Cisneros 74, Santander; Dir. Francisco Ramos Fernández.

Escuela Universitaria de Ingenieria Técnica Industrial: Sevilla 6, Santander; Dir. Antonio Acebes Chamorro.

Escuela Universitaria de Ingenieria Técnica Minera: Plaza de Torres s/n, Torrelavega; Dir. Miguel Remón Otí.

Escuela Universitaria de Estudios Empresariales: Apdo. 231, Santander; Dir. Manuel Rodríguez Rodríguez.

UNIVERSIDAD DE SANTIAGO DE COMPOSTELA

PLAZA DEL OBRADOIRO S/N,
EDIFICIO SAN JERÓNIMO,
SANTIAGO DE COMPOSTELA

Telephone: (9) 58 38 00.

Founded 1501.

State control; Language of instruction: Spanish.

Rector: Pablo Sanz Pedrero.
Vice-Rectors: Agustín Fernández Albor, Manuel Díaz y Díaz, José María David Suárez Nuñez.
Secretary-General: Jesús María Palomares Ibáñez.
Administrator: Mariano Campoy Fernández.
Librarian: Daría Vilariño Pintos.

General Library: 100,000 volumes, over 100 incunabula, prayer book of Fernando I of Castile (11th century); other special libraries in the faculties.

Number of teachers: 975.
Number of students: 26,000.

Publications: *Trabajos Compostelanos de Biología, Memoria, Verba, Anuario Gallego de Filología, Anejos de la revista Verba, Cursos y Congresos de la Universidad de Santiago de Compostela, Monografías, Acta Científica Compostelana.*

Deans:

Faculty of Philosophy and Education: Gonzálo Vásquez Gómez.
Faculty of Law: José A. Souto Paz.
Faculty of Science: Guillermo Rodríguez-Izquierdo Gavala.
Faculty of Medicine: Ramón Varela Núñez.
Faculty of Pharmacy: Francisco Guitián Ojea.
Faculty of Economic and Business Science: Luis Suárez-Llanos Gómez.
Faculty of Philology: Constantino García González.
Faculty of Geography and History: Ramón Otero Túñez.

University professional schools in La Coruña, Vigo, El Ferrol and Lugo.

UNIVERSIDAD DE SEVILLA

CALLE DE SAN FERNANDO 4,
SEVILLE
Telephone: 218600.
Founded 1502.

Rector: Dr. Francisco González García.

General Secretary: Dr. Guillermo J. Jiménez Sánchez.

Librarian: Lcda. Rocío Caracuel Moyano.

Director, Publications and Scientific Interchange: Dr. José Martínez Gijón.

Number of teachers: 1,939.
Number of students: 36,950.

Publication: *Anales de la Universidad Hispalense* (annually).

Deans:

Faculty of Arts: Dr. Emilio Gómez Piñol.
Faculty of Science (Seville): Dr. Antonio Castro Brzezicki.
Faculty of Science (Cadiz): Dr. Juan A. Pérez-Bustamante de Monasterio.
Faculty of Law: Dr. Miguel Rodríguez-Piñero y Bravo-Ferrer.
Faculty of Medicine (Seville): Dr. Antonio García Pérez.
Faculty of Medicine (Cadiz): Dr. José Gómez Sánchez.
Faculty of Pharmacy: Dr. Claudio Faulí Trillo.
Faculty of Economics (Business Administration Branch): Dr. Guillermo J. Jiménez Sánchez.
School of Architecture: Dr. Pablo Arias García.
School of Engineering: Dr. Miguel Bermejo Herrero.
Faculty of Fine Arts: Dr. Juan Cordero Ruíz.
Institute of Education: Dr. Rafael Márquez Delgado.

Professors:

Faculty of Arts:
- Arellano Catalán, Jesús, Philosophy
- Benito Arranz, Juan, Geography
- Calderón Quijano, José, American History
- Collantes de Teran y Collantes de Teran, Juan, History of Spanish-American Literature
- Comellas García Llera, José-L., Contemporary History
- Díaz Tejera, Alberto, Greek
- García Tortosa, Francisco, English Language and Literature
- Gil Fernández, Juan, Latin Philology
- Gil Munilla, Octavio, Modern Universal History
- Gómez Piñol, Emilio, History of Spanish-American Art
- Guerrero Lovillo, José, History of Art
- Jiménez N., Alfredo, American Prehistory and Archaeology
- Lamiquiz Ibañez, Vidal, Historic Spanish Grammar
- Morales Padrón, Francisco, History of Geographical Discoveries and Geography of America
- Navarro García, Luis, American History
- Núñez Contreras, Luis, Spanish Palaeography
- Peñalver Simó, Patricio, History of Philosophy
- Pellicer Catalan, Manuel, Archaeology, Epigraphy and Numismatics
- Presedo Velo, Francisco, Spanish Ancient History
- Vázquez Ruíz, José, Arab Language and Literature

Faculty of Science (Seville):
- Castro Brzezicki, Antonio, Mathematics
- Cerdá Olmedo, Enrique, Genetics
- Civit Breu, Antonio, Electricity and Magnetism
- Coy Ill, Ramón, Crystallography and Mineralogy
- Echarte Reula, Francisco Javier, Geometry
- García Novo, Francisco, Ecology
- González García, Francisco, Inorganic Chemistry
- Infante Macías, Rafael, Mathematical Statistics
- López Campos, José L., Cytology
- Losada Villasante, Manuel, Physiological Chemistry
- Madurga, Lacalle, Gonzalo, Nuclear Physics
- Marquez Delgado, Rafael, General Physics
- Martínez Moreno, Juan, Technical Chemistry
- Pablos Casanova, Fernando, Zoology
- Pereda Marín, Juan, Technical Chemistry
- Pérez Silva, Julio, Microbiology
- Pino Pérez, Francisco, Analytical Chemistry
- Rubia Pacheco, Juan de la, Mechanics
- Valle Sánchez, Antonio, Mathematical Analysis
- Viguera Lobo, José Ma., Organic Chemistry
- Zamora Carranza, Manuel, Thermology

Faculty of Science (Cadiz):
- Flores Luque, Vicente, Technical Chemistry
- González Vílchez, Francisco, Inorganic Chemistry
- Pérez-Bustamante de Monasterio, Juan A., Analytical Chemistry

Faculty of Law:
- Aparici Díaz, José, Roman Law
- Bernárdez Cantón, Alberto, Canon Law
- Clavero Arévalo, Manuel, Administrative Law
- García Añoveros, Jaime, Economics and Financial Law
- Gutiérrez-Alviz Armario, Faustino, Law of Procedure
- Jordano Barea, Juan, Civil Law
- Lojendio Irure, Ignacio Ma., Political Law
- Martínez Gijón, José, History of Spanish Law
- Navarrete Urieta, José M., Penal Law
- Rodríguez Piñero y Bravo-Ferrer, Miguel, Labour Law
- Sánchez Appellaniz y Valderrama, Francisco, Public and Private International Law

Faculty of Medicine (Seville):
- Aznar Reig, Antonio, Pathology and Clinical Medicine
- Bedoya González, José, Gynaecology and Obstetrics
- Dominguez Martinez, José Ma., Forensic Medicine
- Galera Davidson, Hugo, Histology
- García Díaz, Sebastián, Clinical and Surgical Pathology
- García Pérez, Antonio, Dermatology
- Garrido Peralta, Miguel, Pathology and Clinical Medicine
- Genís Gálvez, José M., Anatomy
- Giner Ubago, José, Psychiatry
- Goberna Ortís, Raimundo, Biochemistry
- Jiménez-Castellanos y Calvo Rubio, Juan, Clinical and Medical Anatomy
- Mir Jordano, Diego, Physiology and Biochemistry
- Perea Pérez, Evelio J., Microbiology
- Piñero Carrión, Antonio, Ophthalmology
- Rodríguez Adrados, Felipe, Oto-Rhino-Laryngology
- Romero Velasco, Enrique, General Pathology
- Valls Sánchez De Puerta, Alberto, Paediatrics
- Zaragoza Rubira, Juan, Therapy
- Zarapico Romero, Manuel, Clinical and Surgical Pathology

Faculty of Medicine (Cadiz):
- Bartual Pastor, Juan, Oto-Rhino-Laryngology
- Castro Romero, José M., Anatomy
- Corral Saleta, José M. de, Physiology and Biochemistry
- Cuenca Fernández, Eduardo, Pharmacology
- Fernández-Cruz Pérez, Arturo, General Pathology
- Garrido García, Felipe, Pathology and Clinical Surgery
- Garrido García, Honesto, Pathology and Clinical Surgery
- Gómez Sánchez, José, Histology
- López Rodríguez, Antonio, Anatomy
- Mira Gutiérrez, José, Microbiology
- Negueruela Ugarte, Juan T., Therapy
- Remón Miranda, Cesáreo, Forensic Medicine
- Rico Irlés, José, Pathology and Clinical Medicine
- Zamora Madaria, Eduardo, Pathology and Clinical Medicine

Faculty of Economics (Business Administration Branch):
- Jiménez Sánchez, Guillermo, Mercantile Law
- Lebón Fernández, Camilo, Economics
- Ortigueira Bouzada, Manuel, Business Administration

Faculty of Pharmacy:
- Faulí Trillo, Claudio, Galenic Pharmacy
- Trillo de Leyva, José M., Inorganic Chemistry

Faculty of Fine Arts:
- Arquillo Torres, Francisco, Restoration
- Berriobeña Elorza, Ignacio, Printing
- Borras Verdera, Francisco, Drawing moving figures from Nature
- Cano Correa, Antonio, Sculpture
- Cordero Ruíz, Juan, Perspective Geometric Drawing
- García del Moral Garrido, Amalio, Classic Techniques of Drawing
- García Gómez, Francisco, Ornamental Drawing
- García Ruíz, José, Techniques of Painting
- Gavira Alba, Antonio, Preparation of Clay Modelling
- Gutiérrez Fernández, Miguel, Landscape Drawing

Jiménez Serrano, Carmen, Clay Modelling and Composition
Maireles Vela, Francisco, Preparation of Colours
Pérez Aguilera, Miguel, Drawing from Nature
Rio Llarona, Armando del, Colouring and Composition
Romero Escassi, José, Artistic Anatomy
Sancho Corbacho, Antonio, History of Design

School of Architecture:

Arias García, Pablo, Urban Planning
Balbuena Cavallini, Fernando, Mathematics
Donaire Rodríguez, Alberto, Composition
Espejo y Pérez de la Concha, Enrique, Legislation and Assessment
García Diéguez, Rafael, Construction
García Valcarce, Antonio, Construction
Gómez de Terreros Sánchez, Aurelio, Construction Materials
Hervás Burgos, Pablo, Physics
Justo Alpañes, José Luis de, Theory of Soils and Foundations
López de Asiaín Martín, Jaime, Composition
López Palanco, Rafael, Structure
Manzanares Japón, José L., Structure
Manzano Martos, Rafael, History of Architecture
Recasens-Mendez Queipo de Llano, Luis, Planning
Toledo y Escuder, José Ma., Technical Drawing

School of Engineering:

Aracil Santoja, Javier, Systems Control
Bermejo Herrero, Miguel, Technical Drawing
Lozano Campoy, José, Physics
Martín Pérez, Antonio, Chemistry
Pérez Carreras, Pedro, Mathematics

UNIVERSIDAD DE VALENCIA

NAVE 2, VALENCIA
Telephone: 32-173-80.
Founded 1500.

Rector: Vicente Gandia Gomar.
Vice-Rectors: José A. Gómez Segade, Joaquín Colomer Sala, José Viña Giner, Pedro Perez Puchal, Ángel Ma. Villar del Fresno.
Secretary: Jesús Rodriguez Marín.
Librarian: Pilar Gómez.

The University Library contains 216,204 vols. and 2,432 MSS. Libraries are also attached to each faculty.

Number of teachers: 1,070.
Number of students: 24,257.
Publication: *Memoria Anual.*

DEANS:

Faculty of Geography and History: Julian San Valero Aparisi.
Faculty of Philosophy and Education: Fernando Montero Moliner.
Faculty of Law: Antonio Mostaza Rodríguez.
Faculty of Mathematical Sciences: Lorenzo Ferrer Figueras.
Faculty of Medicine: Francisco Gomar Guarner.
Faculty of Economics: Ángel Orti Lahoz.
Faculty of Pharmacy: Enrique Hernandez Gimenez.
Faculty of Sciences (Alicante): Francisco Ruiz Bevia.
Faculty of Philosophy and Letters (Alicante): Antonio Gil Olcina.
Faculty of Phillogy: Ángel R. Fernández González.
Faculty of Physical Sciences: Mariano Aguilar Rico.
Faculty of Biology: José L. Mensua Fernández.
Faculty of Chemistry: Francisco Bosch Reig.

PROFESSORS:

Faculty of Geography and History:

Lamagro Gorbea, Martín, Archaeology, Epigraphy and Numismatics
Pérez Puchal, Pedro, Geography
Rosello Verger, Vicente María, Geography
San Valero Aparisi, Julian, Prehistory and World History
Sebastián López, Santiago, History of Art
Tusell Gómez, Javier, Contemporary World and Spanish History

Faculty of Philology:

Fernández González, Angel R., Spanish Language and Literature and World Literature

Faculty of Philosophy and Education:

Carpintero Capell, H., Psychology
Garrido Gimenez, M., Logic
Gutiérrez Zuluaga, Ma. Isabel, History of Education
Marin Ibañez, R., General Education
Montero Moliner, Fernando, History of Philosophy
Pelechano Barberá, Vicente, Psychology
Secadas Marcos, F., Psychology

Faculty of Philosophy and Letters (Alicante):

Gil Olcina, Antonio, Geography
Mondejar Cumpián, José, History of the Spanish Language

Faculty of Law:

Almansa Pastor, José Manuel, Labour Law
Boquera Oliver, José María, Administrative Law
Broseta Pont, Manuel, Commercial Law
Cobo del Rosal, Manuel, Penal Law
Ferreiro Lapatza, José J., Financial and Taxation Law
García González, Juan, History of Spanish Law
Gitrama González, Manuel, Civil Law
Lalaguna Dominguez, Enrique, Civil Law
Miaja de la Muela, Adolfo, International Public and Private Law
Montero Aroca, Juan, Procedural Law
Mostaza Rodríguez, Antonio, Canon Law
Sevilla Andrés, Diego, Political Law
Valiño del Rio, Emilio, Roman Law

Faculty of Science (Alicante):

Ortega, Aramburu, Mathematical Analysis
Ruiz Bevia, Francisco, Technical Chemistry

Faculty of Science:

Aguilar Rico, Mariano, Material Structure and Optics
Beltrán Martínez, José, Inorganic Chemistry
Bosch Reig, Francisco, Analytical Chemistry
Docavo Alberti, Ignacio, Zoology
Escardino Benlloch, Agustín, Technical Chemistry
Ferrer Figueras, Lorenzo, Mathematics
Gandia Gomar, Vicente, Termology
Gutierrez Cabria, Segundo, Statistics and Calculus of Probability
Lloret Sebastián, José Luis, Electricity and Magnetism
Mansanet Mansanet, José, Botany
Martínez Naveira, Antonio, Geometry
Mensua Fernandez, J. L., Genetics
Núñez Cachazo, Antonio, Animal Physiology
Pérez Monasor, Francisco, Algebra
Senent Pérez, Fernando, Theoretical Experimental Physics
Seoane Bardanca, Eliseo, Organic Chemistry
Sesma Bienzobas, Javier, Mathematical Physics
Valdivia Ureña, Manuel, Mathematical Analysis
Villar del Fresno, Ángel, Pharmacognosy and Pharmacodynamics

Faculty of Medicine:

Báguena Candela, Rafael, Genetics
Belloch Zimmermann, Vicente, Therapeutics
Carbonell Antolí, Carlos, Surgical and Clinical Pathology
Carmena Villarta, Miguel, Pathology
Carreras Matas, Marcelo, Ophthalmology
Colomer Sala, Joaquín, Paediatrics and Puericulture
Esplugues Requena, Juan, Pharmacology
García-Conde Gómez, Francisco Javier, Pathology and Clinical Medicine
Gisbert Calabuig, Juan Antonio, Forensic Medicine
Gomar Guarner, Francisco, Surgical and Clinical Pathology
Llombart Bosch, Antonio, Histology, Embryology and Pathological Anatomy
López Piñero, José ma., Medical History
Marco Clemente, Jaime, Oto-Rhino-Laryngology
Rojo Sierra, Miguel, Psychiatry
Smith Agreda, Victor, Anatomy
Valdes Ruiz, Manuel, Pathology
Viña Giner, José María, Physiology, Biochemistry

Faculty of Economics and Business Studies:

Campos Nodmann, Ramiro, Comparative Economic Structures and Institutes
Ferrando Badia, Juan, State and Constitutional Law
Gomez Segade, J. A., Mercantile Law
González y Catala, Vicente T., Mathematics of Financial Transactions
Orti Lahoz, Ángel, Economic Theory
Sánchez Ayuso, Manuel, Politico-economics
Santamaria Pastor, Juan A., Administrative Law
Tortella Casares, Gabriel, Spanish and World Economic History
Vela Pastor, Manuel, Accounting Theory

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UNIVERSIDAD DE VALLADOLID

VALLADOLID
Telephone: 250698.
Founded 1346.

Rector: Dr. Alfonso Candau Parias.
Vice-Rectors: Dr. Juan Ayala Montoro, Dr. Olegario Ortiz Manchado, Dr. José Ma. Boquera Oliver.
Secretary: Dr. Alejandro Herrero Rubio.
Librarian: Dra. Nieves Alonso-Cortes.

The library contains 134,000 volumes

Number of students: 5,345 men, 2,082 women.

Deans:

Faculty of Law: Dr. Alfonso Prieto y Prieto.
Faculty of Law (San Sebastián): Dr. Joaquín Salcedo Izu.
Faculty of Science: Dr. Manuel Quintanilla Montón.
Faculty of Philosophy and Letters: Dr. Demetrio Ramos Fernández.
Faculty of Medicine: Dr. Pedro Alvarez Quiñones.
Faculty of Political, Economic and Commercial Sciences: Dr. Julio García Villalón.

Professors:

Faculty of Law:

Arias Bonet, Juan A., Roman Law
Asis Garrote, Agustín de, Philosophy of Law
Boquera Oliver, José Ma., Administrative Law
Duque Domínguez, Justino, Commercial Law
García Villarejo, Avelino, Economy and Public Finance
Guilarte González, Vicente, Civil Law
Herrero Rubio, Alejandro, International Law
Lucas Verdú, Pablo, Political Law
Marín Pérez, Pascual Civil Law I
Martínez Díez, G., History of Law
Miguel Alonso, C., Judicial Procedure
Prieto Prieto, A., Canon Law
Serrano Serrano, Ignacio, Civil Law II
Torio López, Angel, Criminal Law

Faculty of Science:

Alberola Figueroa, A., Organic Chemistry
Aleixandre Campos, Vicente, Industrial Physics
Ayala Montoro, J., Electrical Physics
Casanova Colás, José, Physics
Gallego Andreu, Rafael, Analytical Chemistry
Gutiérrez Suarez, Juan J., Mathematical Analysis
Illera Martín, Mariano, Biology
Martín Díaz, M., Statistics
Martínez Salas, José, Mathematics
Mato Vázquez, F., Technical Chemistry
Quintanilla Monton, M., Optics
Riera González, Víctor, Inorganic Chemistry
Saja Sáez, J. A., Physics
Santos Corchero, Emilio, Atomic Physics
Senent Pérez, Salvador, Electro-Chemistry

Faculty of Philosophy and Letters:

Balil Illana, Alberto, Archaeology
Bravo Lozano, Millán, Latin
Candau Parias, Alfonso, Theory of Knowledge
Corral Castanedo, Alfonso, Spanish History
Enciso Recio, Luis Miguel, Modern World History
Fradejas Lebrero José, Spanish Language and Literature
García Fernández, Jesús, Geography
Hernández Rodríguez, F., French Language
Martín González, Juan J., History of Art
Montenegro Duque, Angel, Ancient and Medieval Spanish History
Muñoz Valle, I., Greek
Pérez Martín, M. J., English Language and Literature
Pérez Villanueva, Joaquín, Modern and Contemporary History
Quilis Morales, A., History of Spanish Language
Ramos Pérez, D., American History
Ruiz Asencio, José M., Palaeography and Diplomatics
Valdeón Baruque, J., Ancient and Medieval History

Faculty of Medicine:

Alvarez Quiñones, Pedro, Dermatology
Belmonte González, Nicolás, Ophthalmology
Belmonte Martínez, Carlos, Physiology
Beltrán de Heredia Onís, José Ma., Surgical Pathology
Candau Parias, Alfonso, Psychology
Cardesa García, Antonio, Histology
Conde López, Valentín, Psychiatry
Fernández Cabeza, Jesús, Legal Medicine
García y García, Antonio, Pharmacology
Gómez Bosque, Pedro, Anatomy
Herreros Fernández, B., Physiology
Lopez Lara, F., Physical Therapeutics
Navarro Clemente, José, Obstetrics and Gynaecology
Nuñez Puertas, Adolfo, Pathological Surgery
Ortiz Manchado, Olegario, Medical Pathology
Pérez Casas, Antonio, Anatomy
Rodríguez Adrados, Felipe, Oto-Rhino-Laryngology
Rodríguez Torres, Antonio, Hygiene
Romero, Enrique. Medical Pathology
Sánchez S. Villares, Ernesto, Paediatrics
Velasco Alonso, Ramón, General Pathology

Faculty of Political, Economic and Commercial Sciences:

Echevarria Gangoiti, Juan M., Economic Theory
Fernández de Troconiz, Antonio, Statistical Theory
Flores Gómez, Teodoro, Comparative Economic Structures
Lozano López, Vicente, Econometrics and Statistical Methods
Martín Guzmán, Enrique, Political Economy
Martín López, Enrique, Sociology
Ruiz Martín, Felipe, Economic History
Sánchez Asiain, José A., Public Finance and Fiscal Law
Sánchez Calero, Fernando, Commercial Law
Soldevilla García, Emilio, Business Economy
Toña Basauri, Ignacio, Economics of Management

Faculty of Law (San Sebastian):

Beristain Ipiña, A., Criminal Law
Calvo Ortega, R., Public Finance
Doral García, José Antonio, Civil Law
Fernandez Rodríguez, T., Administrative Law
García. Cantero Gabriel, Civil Law
Guilarte Zapatero, V., Civil Law
Gutierrez Alviz, F., Procedural Law
Montalvo Correa, J., Labour Law
Moreno Quesada, B., Civil Law
Salcedo Izu, Joaquín, History of Law
Samper, Polo, F., Roman Law

UNIVERSIDAD DE ZARAGOZA

CIUDAD UNIVERSITARIA,
ZARAGOZA
Telephone: 35-41-00.
Founded in 1533 by the Emperor Carlos V.

State control; Language of instruction: Spanish; Academic year: October to May.

Rector: Narciso Murillo Ferrol.
Vice-Rectors: Angel Canellas López, Manuel González González, Luis Virgil Vázquez.
Registrar: Guillermo R. Romeo y Aznar.
Secretary-General: José Antonio Pastor Ridruejo.
Secretary for Publications, Exchanges and Extension: Angel San Vicente Pino.

The library contains 600,000 vols.

Number of teachers: 941.

Number of students: 23,200.

Publications: *Temis*, *Archivos de la Facultad de Medicina*, *Anales de la Facultad de Veterinaria*.

Deans:

Faculty of Philosophy and Letters: Dr. Antonio Beltrán Martínez.
Faculty of Law: Jesús Lalinde Abadía.
Faculty of Science: Francisco José Cano Sevilla.
Faculty of Medicine: Francisco Marín Górriz.
Faculty of Veterinary Science: Dr. Clemente Sánchez Garnica.
Faculty of Economics and Business Studies: Carlos Palao Taboada.
Higher School of Industrial Engineering: Federico López Mateos.

Professors:

Faculty of Philosophy and Letters:

Beltrán Martínez, Antonio, Archaeology, Prehistory
Buesa, Tomás, Spanish Language
Canellas, Angel, Palaeography
Corona, Carlos, Contemporary World History
Corriente Córdoba, Federico, Arabic Language and Literature
Diaz Regañón, José M., Greek Philology
García de la Concha, Victor, Spanish Literature

Higueras Arnal, Antonio, Geography
Mensua, Salvador, Geography
Monge, Félix, Spanish Grammar
Pérez Gallego, Candido, English
Rodón Rinué, Eulalia, Latin Language and Literature
Solano, Fernando, Modern Spanish History
Torralba Soriano, Federico, Arts
Yllera Fernandez, Alicia, French Language and Literature

Faculty of Law:

Cerezo Mir, José, Criminal Law
Gil Cremades, J. J., Philosophy of Law
Gondra Romero, José M., Mercantile Law
Herce, Vicente, Procedural Law
Lacruz, José L., Civil Law
Lalinde Abadía, Jesús, History of Law
Martín-Ballestro, Luis, Civil Law
Martín-Retortillo B., L., Administrative Law
Murga Gener, J. L., Roman Law
Palao Taboada, Carlos, Economics
Pastor Ridruejo, J. A., International Law
Ramírez Jiménez, M., Political Law
Rivero Lamas, Juan, Labour Law

Faculty of Science:

Arrese, Félix, Geology
Aznarez Alduan, José L., Analytical Chemistry
Cano Sevilla, F. J., Statistics
Corella Tudanca, José, Technical Chemistry
Casas, Justiniano, Optics
Cid Palacios, Rafael, Astronomy
Fernandez Rañada, A., Theoretical Physics
Garay de Pablo, J., Theory of Functions
Gutiérrez, Celso, Physical Chemistry
López Mateos, Federico, Technical Chemistry
Melendez Andreu, E., Organic Chemistry
Miracle Sole, S., Theoretical Physics
Morales Villasevil, Angel, Nuclear Physics
Moreno, Roberto, Physics and Electronics
Núñez-Lagos Rogla, R., Quantum Mechanics
Plans Sanz de Bremond, Antonio, Analytical Geometry and Topography
Rodríguez-Muñoz, Cruz, Biology
Rodríguez-Vidad, Rafael, Mathematical Analysis, Higher Algebra
Sancho San Roman, J., Algebra
Saviron Cidon, José M., Physics
Usón Lacal, Rafael, Inorganic Chemistry
Vigil, Angel-luis, Mathematics
Viviente Mateu, José L., Descriptive Geometry

Faculty of Medicine:

Azua, Luis, Dermatology
Bueno Sánchez, Manuel, Paediatrics
Casado, Enrique, Paediatrics
Civeira Otermín, Fernando, Medical Pathology
Escolar, José, Anatomy
Gómez Lus, Rafael, Microbiology
González González, Manuel, Pathology and Surgery
Guillén Martínez, Gabriel, General Pathology
Jiménez, Luis, Anatomy
La Figuera, Enrique, Medical Pathology
Lozano, Ricardo, Surgical Pathology
Marín Gorriz, Francisco, Therapy
Martinez Hernandez, Heraclio, Obstetrics and Gynaecology
Martinez Perez, Ramón, Histology
Mateo, Mariano, Pharmacology
Palomar, Alejandro, Ophthalmology
Pérez Argiles, Valentín, Legal Medicine
Pié, Andrés, Physiology
Romero Aguirre, Francisco, Urology
Sánchez Rodríguez, Andrés, Oto-rhino-laryngology
Sanz Esponera, Julián, Histology and Pathological Anatomy
Seva Diez, Antonio, Psychiatry

Faculty of Veterinary Science:

Ballesteros Moreno, Emilio, Pharmacology
Martín Martín, Eloy, Surgery
Murillo Ferrol, Narciso, L., Animal Morphology
Ocaña García, Manuel, Agriculture and Agrarian Economics
Sainz, Jesús, Physiology
Sánchez-Garnica Montes, C., General Pathology
Sánchez Franco, Angel, Parasitology
Zarazaga, Isaias, Zootechnics

ATTACHED INSTITUTE:

Instituto de Ciencias de la Educación: Dir. Rafael Cid Palacios.

POLYTECHNICS

UNIVERSIDAD POLITÉCNICA DE BARCELONA

AVDA. GREGORIO MARAÑÓN S/N,
BARCELONA 14
Telephone: 249-3804/3/2.

Founded 1971.

Autonomous control under Ministry of Education and Science; Language of instruction: Spanish; Academic year: October to June.

Rector: Julián Fernández Ferrer.

Vice-Rectors: José F. Colom Pastor, Pedro Ramón Moliner, Rufo Crespo Cereceda.

Administrative Director: Eudaldo García de Palau.

Libraries: each constituent school has a library attached.

Number of teachers: 1,120.
Number of students: 16,179.

Publications: *Guia del estudiante, Boletín U.P B.*

CONSTITUENT SCHOOLS:

Escuela Técnica Superior de Arquitectura: Dir. Javier de Cárdenas Chavarri.

Escuela Técnica Superior de Ingenieros Industriales de Barcelona: Dir. Francisco Compta González.

Escuela Técnica Superior de Ingenieros Industriales de Tarrasa: Dir. Francisco Simó Prats.

Escuela Técnica Superior de Ingenieros de Telecomunicación: Dir. Ricardo Valle Sánchez.

Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos: Dir. José-Antonio Torroja Cavanillas.

Escuela Universitaria de Arquitectura Técnica: Dir. Eugenio Llopart Coll.

Escuela Universitaria de Ingeniería Técnica Industrial de Tarrasa: Dir. José M. Canal Autonell.

Escuela Universitaria de Ingeniería Técnica Industrial de Villanueva y Geltrú: Dir. Juan Majó Torrent.

Escuela Universitaria de Ingeniería Técnica Agrícola de Lérida: Dir. Javier Barragan Fernández.

Escuela Universitaria de Ingeniería Técnica de Gerona: Dir. José Arnau Figuerola.

Escuela Universitaria Politécnica de Manresa: Dir. Francisco J. Puig Rovira.

ATTACHED INSTITUTES:

Instituto de Ingeniería Cibernética: Av. Gen. Franco 647, Barcelona 14; Dir. Luis Basañez Villaluenga (acting).

Instituto de Investigación Textil y Cooperación Industrial: Colon 11, Tarrasa; Dir. José Cegarra Sánchez.

Instituto de Ciencias de la Educación: Av. Gen. Franco 647, Barcelona 14; Dir. Fernando Puerta Sales (acting).

Instituto de Petrolquimia Aplicada: Av. Gen. Franco 647, Barcelona 14; Dir. Jaime Blasco Font de Rubinat.

Instituto de Investigación Aplicada al Automovil: Av. Gen. Franco 647, Barcelona 14; Dir. Victor de Buen Lozano.

Instituto de Técnicas Energéticas: Av. Gen. Franco 647, Barcelona 14; Dir. José Panadés Barberá.

UNIVERSIDAD POLITÉCNICA DE MADRID

CEA BERMUDEZ 10-12,
MADRID 3
Telephone: 4-59-03-50.

Founded 1971.

State control; Language of instruction: Spanish; Academic year: October to July.

Rector: D. José Luis Ramos Figueras.

Vice-Rectors: D. Carlos Benito Hernández, D. Juan del Campo Aguilera, D. Luis de Mazarredo Beutel.

Secretary-General: D. Jesús Langreo Langreo.

There is a library attached to each constituent school of the University.

Number of teachers: *c.* 2,800.
Number of students: 33,000.

Constituent Schools:

Escuela Técnica Superior de Ingenieros Aeronáuticos: Ciudad Universitaria; Dir. Francisco García Moreno.

Escuela Técnica Superior de Arquitectura: Ciudad Universitaria; Dir. Juan del Corro Gutiérrez.

Escuela Técnica Superior de Ingenieros Agrónomos: Ciudad Universitaria; Dir. Joaquín Miranda de Onís.

Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos: Ciudad Universitaria; Dir. Juan Batanero García-Geraldo.

Escuela Técnica Superior de Ingenieros Industriales: Gutierrez Abascal 2; Dir. Eugenio Andrés Puente.

Escuela Técnica Superior de Ingenieros de Minas: Rios Rosas 21; Dir. Juan Miraved del Valle.

Escuela Técnica Superior de Ingenieros de Montes: Ciudad Universitaria; Dir. Ignacio Claver Torrente.

Escuela Técnica Superior de Ingenieros Navales: Ciudad Universitaria; Dir. José M. de los Rios Claramunt.

Escuela Técnica Superior de Ingenieros de Telecomunicación: Ciudad Universitaria; Dir. Narciso García Redondo.

Escuela Universitaria de Ingeniería Técnica Aeronáutica: Ciudad Universitaria; Dir. Francisco García Moreno.

Escuela Universitaria de Arquitectura Técnica: Ciudad Universitaria; Dir. Alberto Blasco Vilatela.

Escuela Universitaria de Ingeniería Técnica Agrícola: Ciudad Universitaria; Dir. Francisco Sierra y Gil de la Cuesta.

Escuela Universitaria de Ingeniería Técnica Agrícola de Ciudad Real: Ciudad Real; Dir. Eduardo Iriarte Burgos.

Escuela Universitaria de Ingeniería Técnica Forestal: Ciudad Universitaria; Dir. Antonio González Aldama.

Escuela Universitaria de Ingeniería Técnica Industrial: Ronda de Valencia 3, Madrid 5; Dir. David

Escuela Universitaria de Ingeniería Técnica Minera de Almadén: Almadén, Ciudad Real; Dir. Luis Juan Mateo López.

Escuela Universitaria de Ingeniería Técnica de Obras Publicas: Alfonso XII 5, Madrid 7; Dir. Emilio Sicilia Ródenas.

Escuela Universitaria de Ingeniería Técnica de Telecomunicación: Ciudad Universitaria; Dir. Alberto Martín Fernández.

Escuela Universitaria de Ingeniería Técnica de Topografía: Gral. Ibanez de Ibero 3, Madrid 3; Dir. Nicolás Serramo Colmenarejo.

UNIVERSIDAD POLITÉCNICA DE VALENCIA

CAMPUS DEL CAMINO DE VERA,
APDO. 2012, VALENCIA 11
Telephone: 369-67-00.

Founded 1968.

State control; Languages of instruction: Spanish, English, French and German; Academic year: September to July.

Rector: Prof. Dr. Ing. Marcos Rico Gutiérrez.

Vice-Rector: Prof. Dr. Ing. José Juárez Mateos.

Administrative Director: D. Germán Marco Ponce.

Librarian: (vacant).

Number of teachers: *c.* 500.
Number of students: *c.* 6,000.

Constituent Schools:

Escuela Técnica Superior de Ingenieros Agrónomos: Paseo del Mar 21, Valencia 10; Dir. D. Saturnino de la Plaza Perez.

Escuela Técnica Superior de Arquitectura: Plaza de Galicia 4, Valencia 10; Dir. (vacant).

Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos: Campus del Camino de Vera, Valencia 11; Dir. D. Vicente Delgado de Molina y Juliá.

Escuela Técnica Superior de Ingenieros Industriales: Campus del Camino de Vera, Valencia 11; Dir. D. José Luis Manglano de Mas.

Escuela Universitaria de Ingeniería Técnica Agrícola: Paseo al Mar 19, Valencia 10; Dir. D. Vicente Puertas Bonilla.

Escuela Universitaria de Ingeniería Técnica Industrial: Paseo Calvo Sotelo 1, Alcoy (Alicante); Dir. D. Octavio Candela Carbonell.

Escuela Universitaria de Ingeniería Técnica Industrial: Av. José Antonio 46, Valencia 5; Dir. D. Vicente Tortosa La-Casta.

Escuela Universitaria de Ingeniería Técnica de Obras Públicas: San Vicente del Raspeig (Alicante); Dir. D. Sergio Campos Ferrera.

Escuela Universitaria de Arquitectura Técnica: Campus del Camino de Vera, Valencia 11; Dir. D. Luis Ortiz Berrocal.

Professors:

Alfaro G., Agustin, Crop Protection
Cruz R., Gonzalo, Geotechnics
Fernández C., Julio, Zootechnics
Fito M., Pedro, Chemical Engineering
Guardiola B., José, Physiology
Hernández G., Enrique, Biology
Juana S., José María de, Physics
Juárez M., José, Energetics
Macho-Quevedo B., José, Industry
Manglano M., José, Physics
Martínez L., Carlos, Civil Engineering
Plaza P., Saturnino de la, Electrical Engineering
Primo Y., Eduardo, General and Industrial Chemistry
Puertas B., Vicente, Topography
Reig F., Alejandro, Design
Rico G., Marcos, Genetics
Rivero A., José María del, Crop Protection
Romero V., Rafael, Statistics
Sánchez-Capuchino L., Antonio, Phytotechnics
Torres S., José, Hydraulics

TECHNICAL UNIVERSITIES

Universidad Laboral de Alcalá de Henares: Campo del Angel, Madrid; f. 1966; *c.* 1,800 students; Rector Dr. José Ma. Azáceta y García de Albéniz; Administrative Sec. Francisco Carmona Galisteo.

Universidad Laboral de Eibar: Avda. de Bilbao 29, Eibar; f. 1968; 450 professors, 1,200 students; library of 10,000 vols.; Rector Luis-José Ros Sierra; Vice-Rector Jesús Alvarez Otero; Administrative Sec. Tomás Rodríguez Peñas; publs. *Ego Ibar* (University Revue), *Boletín Informativo* (fortnightly), *Memoria de Actividades* (yearly).

Universidad Laboral de la Coruña: Aptdo. de Correos 736, La Coruña; f. 1964; nautical and fishery studies; technical and industrial training; 850 internal students, 700 external students; library of 15,000 vols.; Rector Martín Díaz González; Dir. of Studies Domiciano García Martín; publ. *Memoria General de Actividades.*

Universidad Laboral de Zaragoza: Apdo. de Correos 619, Zaragoza; f. 1967; *c.* 1,620 female students; library of 11,075 vols.; Rector

María Victoria Eiroa Díaz; Administrative Sec. José Freixas Gavaldá; publs. *Revista Veleta, Boletín Informativo de la Universidad Laboral, Memoria anual de actividades del Centro.*

Universidad Laboral "Francisco Franco": Apdo. de Correos 119, Carretera de Salou s/n., Tarragona; f. 1956; private control; 325 staff, 1,975 students; library of 27,077 vols.; Rector Victoriano Martín Urquizu; Gen. Sec. Juan Noguera y Salort.

Universidad Laboral "José Antonio Girón": Girón, Asturias; f. 1955; 70 staff, 1,200 students; library of 20,000 vols.; Rector Francisco Elosua Rojo; Administrative Sec. Jesus Cobaleda García; publs. *La Torre de la Universidad Laboral.*

Universidad Laboral de Sevilla: Carretera de Utrera, Sevilla; f. 1956; 1,600 students; library of 12,000 vols.; Rector Manuel de Lorenzo; Administrative Sec. Gonzalo Marquez Fernández; publs. *ARTEC* (on architecture), *ARIETE* (on engineering).

Universidad Laboral Onésimo Redondo de Córdoba: Carretera de Madrid-Cádiz s/n., Córdoba; f. 1956; 70 professors, 1,584 students; library of 8,543 vols.; Rector Fr. Santiago Pirallo Prieto, o.p.; Sec. Enrique Pozón Lobato; Registrar Fr. Santiago Guerrero Contreras, o.p.; Librarian Juan Sanjurjo y San Millán; publ. *Memorias de actividades del curso académico*†.

COLLEGES

ESCUELA SUPERIOR DE ADMINISTRACIÓN Y DIRECCIÓN DE EMPRESAS (ESADE)

AVENIDA DE LA VICTORIA 60-62,
BARCELONA 34

Telephone: 203-78-00.

Founded 1958; B.A. and M.A. courses in Business Administration and Management Development.

Director-General: Xavier Adroer.
Registrar and Secretary-General: Carlos Tomas.
Dean: Lluis M. Pugés.
Librarian: Antoni M. Güell.

Library of 18,400 vols.
Number of teachers: 170.
Number of students: 2,250.

Publications: *Colección ESADE* (30 vols).

Directors:

Social Sciences: Juan Trave.
Law: Antonio Marzal.
Marketing Management: Sergio Barraza.
Finance Management: José M. Liso.
Personnel Management: Samuel Husenman.
Economics: Pere Puig.
Production Management: Pedro Batallé.
Business Policy: Antonio Aliana.
Data Processing: Luis García-Ramos.
Quantitative Methods: Eduardo Bonet.

Affiliated Research Institutes:

Instituto de Estudios Laborales (*Institute of Labour Relations*).

Instituto de Marketing.

Instituto de Personal (*Institute of Personnel Management*).

ESTUDIOS UNIVERSITARIOS Y TÉCNICOS DE GUIPÚZCOA

PASEO DEL URUMEA,
MUNDAIZ, SAN SEBASTIAN

Telephone: 444291.

Founded 1956.

Private control.

Rector: R.P. José M. Ostolaza, s.j.

Secretary-General: R.P. Javier María Elicegui, s.j.

Librarian: Marichu Petrirena.

Library of 30,000 vols.

Number of teachers: 150.

Number of students: 2,113.

Publications: *Estudios Empresariales, Dirección Intermedia.*

Faculty of Philosophy and Letters.

Faculty of Economic Sciences.

Faculty of Business Administration.

School of Tourism.

School of Theology.

School of Languages.

Institut d'Estudis Europeus: Via Laietana 32, Barcelona 3; f. 1951; studies and information in political, economic and social aspects of modern Europe; participates in conferences on European themes throughout Spain; Pres. Salvador Millet i Bel; Sec.-Gen. José A. San Martín; publs. various.

REAL COLEGIO UNIVERSITARIO "MARÍA CRISTINA"

SAN LORENZO DEL ESCORIAL,
MADRID

Founded 1892. Private university of the Augustinian Fathers.

Rector: Segundo Folgado Florez.

Secretary: Honorato Largo Treceño.

Dean of the Faculty of Law: César González Fernández.

Dean of the Faculty of Economics: Carlos Martín Alonso.

Librarian: Prometeo Cerezo de Diego.

Library of 185,000 vols.

Number of teachers: *c.* 50.
Number of students: *c.* 450.

Publications: *Anuario Jurídico Escurialense*† (annually), *La Ciudad de Dios*† (3 a year), *Nueva Etapa*† (annually).

UNIVERSIDAD INTERNACIONAL MENÉNDEZ PELAYO

PALACIO DE LA MAGDALENA,
SANTÁNDER

Telephone: 27-26-50.

Founded 1948.

Offers summer courses to foreign students.

Rector: Dr. Francisco Ynduráin.
Vice-Rector and Director of Courses for Foreigners: Prof. Dr. Emilio Lorenzo.
Secretary-General: Prof. Dr. José Antonio Escudero.
Administrator-General: Hermino López de la Viña.

Library of 15,200 vols.
Number of teachers: 220.
Number of students: 4,500.

Technology

Escuela Superior de Técnica Empresarial Agrícola (*Higher School of Agricultural Management*): Escritor Castilla Aguayo 4, Apdo. 439, Córdoba; f. 1963; five-year undergraduate and postgraduate courses; research institute; school of languages; extension courses in farm management; farm management consultancy services; 51 professors; library of 8,000 vols.; Dir. Adolfo Rodero Franganillo; Sec. Alfonso López Caballero.

Escuela Superior de Ingenieros Electromecánicos (*School of Electrical Engineering*): Alberto Aguilera 23, Madrid 15; f. 1908; number of teachers 95, number of students 577; library of 12,700 vols.; Dir. Luis García Pascual.

Escuela Superior de Dirección de Empresas (ICADE) (*School of Law and Business Management*): Alberto Aguilera 23, Madrid 15; f. 1960; number of students 1,965; library of 30,999 vols.; Dean Dr. José Ferrandis Vilella.

Instituto Católico de Artes e Industrias (I.C.A.I.) (*Catholic Institute of Arts and Industries*): Alberto Aguilera 23, Madrid 15; f. 1908; Rector Alberto Dou, s.j.; Gen. Sec. Alfredo Alvarez, s.j.

School of Mechanical and Electrical Engineering: Dir. Luis García Pascual; 150 teachers, 820 students.

School of Law and Business Management: Dean Dr. José Ferrandis; library of 29,000 vols.; 230 teachers, 1,910 students.

Instituto Químico de Sarriá (*Sarriá Institute of Chemistry*): Calle del Instituto Químico de Sarriá s/n., Barcelona 17; f. 1916; number of teachers 64, number of students 604; library of 16,707 vols.; publs. *Afinidad*† (bi-monthly), *I.Q.S.*† (annual).

Director: Dr. Miguel Montagut Buscás, s.j.

Secretary: Dr. Sebastian Julia Arechaga.

Directors of Teaching and Research Departments:

- *Analytical Chemistry:* Dr. José Obiols Salvat.
- *Organic Chemistry:* Dr. Juan J. Bonet Sugrañes.
- *Physics:* Dr. Luis Condal Bosch.
- *Chemical Engineering:* Dr. Alberto Barrera Berro, s.j.

MILITARY SCIENCE

Escuela de Estado Mayor (*Military Staff School*): Santa Cruz de Marcenado 25, Madrid 8; f. 1842; number of lecturers 52; number of students 189; library of 117,866 vols.; Dir. Brig.-Gen. Jesús González del Yerro Martínez.

SOCIAL STUDIES

Cátedra "Ramiro de Maeztu": Avenida de los Reyes Católicos, Ciudad Universitaria, Madrid; attached to the Instituto de Cultura Hispánica (*q.v.*); f. 1947; courses on "Contemporary Man" under various aspects (literature, art, economics, medicine, politics, philosophy, etc.), with special relation to the study of Spain and the Hispanic countries; Dir. Tomás Salinas.

SCHOOLS OF ART, ARCHITECTURE AND MUSIC

Madrid

Escuela de Arte Dramático (*School of Dramatic Art*): Calle del Pez 38; Dir. Fernando Fernández de Córdoba.

Escuela Nacional de Artes Gráficas (*Madrid School of Graphic Arts*): Calle Jesús Maestro, Madrid 3; f. 1911; library of 3,000 vols.

Director: Luis Gimeno Soldevilla.

Vice-Director and Director of Studies: José López Martínez.

Number of teachers: 30.
Number of students: 360.
Publication: *Grafinsa.*

Escuela Superior de Bellas Artes de Madrid (*Madrid Higher School of Fine Arts*): Calle de El Greco, Ciudad Universitaria, Madrid 3; f. 1845; 29 teachers, 400 students; library of 3,681 vols.; Dir. Antonio Fernández Curro; Sec. Guillermo Vargas Ruiz.

Escuela Superior de Musica Sagrada y de Pedagogia Musical (*Higher School of Sacred Music and Music Teaching*): Víctor Pradera 65 *bis*, Madrid 8; f. 1925; 600 students; Dir. Luis Elizalde; publs. *Tesoro Sacro Musical*†, *Melodías*†, etc.

Real Conservatorio Superior de Música de Madrid (*Royal Academy of Music*): Plaza de Isabel II; f. 1830; 3,223 registered students and 1,460 free students, 77 teachers; library of 100,000 vols.; Dir. Francisco Cales Otero; Sec. Julián López Gimeno; publ. *Anuario.*

Real Escuela Superior de Arte Dramático (*Royal Higher School of Dramatic Art*): Plaza de Isabel II.

Málaga

Conservatorio Profesional de Música y Escuela de Arte Dramático: number of students 450; Dir. José Andreu Navarro.

Barcelona

Escuela Superior de Bellas Artes de San Jorge (*Barcelona School of Fine Arts*): Calle Europa s/n, Ciudad Universitaria, Barcelona 14.

Conservatorio Superior de Música de Barcelona: Calle Bruch 112; f. 1885; incorporates the Conservatorio Superior Municipal de Música (formerly the Escuela Municipal de Música) and the Conservatorio de Música del Liceo (formerly Conservatorio del Liceo Isabel II); teaching staff of 35 full-time and 40 part-time; Dir. Xavier Turull Creixell; Sec. Manuel Sáez Finestres.

Cadiz

Conservatorio de Música "Manuel de Falla": Calle del Tinte 1, Edif. de la Escuela de Maestria Industrial; 221 students.

Córdoba

Conservatorio Superior de Musica y Escuela de Arte Dramático y Danza (*Academy of Music and School of Dramatic Art and Dance*): Angel de Saavedra 1; f. 1862; 2,030 students; library of 11,978 vols.; Dir. Rafael Quero Castro; Sub-Dir. Miguel Salcedo Hierro; Sec. Teresa García Moreno.

Murcia

Conservatorio Superior de Música y Escuela de Arte Dramático: Plaza Romea; f. 1916; 1,000 students; Dir Manuel Massotti Littel.

San Sebastián

Conservatorio Profesional Municipal de Música: Victor Pradera 39; f. 1897; 20 teachers; Dir. Francisco Escudero.

Seville

Conservatorio Superior de Musica y Escuela de Arte Dramático: Calle Jesús del Gran Poder 49; f. 1935; teaching and training in music and drama; staff of 40; Dir. Manuel Castillo Navarro-Aguilera; Vice-Dir. Mariano Pérez Gutierrez; Sec. Luis Blanes Arques.

Escuela Superior de Bellas Artes de Santa Isabel de Hungría de Sevilla (*Seville School of Fine Arts*): Gonzalo Bilbao 7-9; f. 1940; 250 students; Dir. José Hernández Díaz; Vice-Dir. Antonio Sancho Corbacho; private specialized library.

Escuela Técnica Superior de Arquitectura (*School of Architecture*): Av. Reina Mercedes; f. 1960; 1,200 students, 110 teachers; library of 5,500 vols.; Dir. Rafael Manzano Martos; Sec. Juan Mateo Carrasco.

Valencia

Escuela Superior de Bellas Artes de San Carlos (*Valencia School of Fine Arts*): Calle del Museo 2; f. 1756; library 5,105 vols.; teaching personnel 26; students 300; Dir. Daniel de Nueda Llisiona; Sec. Amando Blanquer Ponsoda.

Conservatorio Superior de Música y Escuela de Arte Dramático de Valencia: Plaza San Esteban 3; f. 1879; 62 teachers, 6,200 students; library of 10,700 vols.; Dir. Salvador Seguí Pérez; Sec. José Rosell Pons; publ. *Memoria* (annually).

SRI LANKA

Population 13,874,000

LEARNED SOCIETIES

Alliance Française: 54 Ward Place, Colombo 7; f. 1954; library of 10,000 vols.; Dir. F. GRAVIER; Kandy br.: 25/1 Dalada Vidiya; f. 1968; Galle br.: 19 Middle St., Fort; f. 1969; Jaffna br.: 130 1st Cross St.; f. 1977.

American Center: 39 Flower Rd., P.O.B. 1245, Colombo 7.

British Council: P.O.B. 753, 190 Galle Rd., Colombo 3; Rep. R. P. JOSCELYNE; libraries: *see* Libraries.

Buddhist Academy of Ceylon: 109 Rosmead Place, Colombo.

Ceylon Gemmologists Association: 61 Abdul Caffoor Mawatha, Colombo 3; Pres. Prof. K. KULARATNAM.

Ceylon Geographical Society: 61 Abdul Caffoor Mawatha, Colombo 3; f. 1938; 100 mems.; Pres. Prof. K. KULARATNAM; Secs. Dr. K. U. SIRINANDA, Dr. W. P. T. SILVA; publ. *The Ceylon Geographer* (annually).

Ceylon Humanist Society: 35 Guildford Crescent, Colombo 7; Pres. J. T. RUTNAM; Sec. O. M. DE ALWIS.

Ceylon Institute of World Affairs: c/o Mervyn de Silva, 82B Ward Place, Colombo 7; f. 1957; Pres. Maj.-Gen. ANTON MUTTUKUMARU.

Ceylon Palaeological Society: 61 Abdul Caffoor Mawatha, Colombo 3; Pres. Prof. K. KULARATNAM.

Ceylon Society of Arts: Art Gallery, Ananda Coomarassamy Mawatha, Colombo 7; f. 1887.

Classical Association of Ceylon, The: f. 1935; 146 mems.; Pres. E. C. S. PERERA; Hon. Sec. Mrs. N. L. RAJASINGHAM, 8 Selbourne Rd., Colombo 3.

Commonwealth Geographical Bureau: 61 Abdul Caffoor Mawatha, Colombo 3; Dir. Prof. K. KULARATNAM.

German Cultural Institute: 92 Rosmead Place, Colombo 7; f. 1957; Dir. Dr. ROLF DENCKER.

Maha Bodhi Society of Ceylon: 130 Maligakande Rd., Maradana, Colombo 10; f. 1891 for propagation of Buddhism throughout the world; 12,000 mems.; Pres. HEMA H. BASNAYAKA, Q.C.; Hon. Sec. LALITH HEWAVITARNE; publs. *Sinhala Bauddhaya* (monthly), *Sinhala Bauddhaya* (Wesak number; annual).

National Education Society of Ceylon: Hon. Sec. DOUGLAS WALATARA, Dept. of Education, University of Sri Lanka, Peradeniya; Pres. Dr. T. RANJIT RUBERU.

Royal Asiatic Society: 1st Floor, Grandstand Building, Reid Ave., Colombo 7; f. 1845 and incorporated with the Royal Asiatic Society of Great Britain and Ireland; institutes and promotes inquiries into the history, religions, languages, literature, arts, sciences and social conditions of the present and former inhabitants of Ceylon and connected cultures; Pres. Prof. Dr. D. E. HETTIARATCHI, PH.D.; Hon. Secs. P. R. SITTAMPALAM, K. M. W. KURUPPU; library contains one of the largest collections of books on Sri Lanka, and others on Indian and Eastern culture in general; publ. *Journal*.

Sri Lanka Association for the Advancement of Science: 120/10 Wijerama Mawatha, Colombo 7; f. 1944 to provide for systematic direction of scientific enquiry in the interests of the country, to promote contact among scientific workers, and to disseminate scientific knowledge, etc.; holds annual session; six sections; 1,400 mems.; Gen. Pres. Dr. LAL JAYAWARDENA; Gen. Secs. Dr. J. N. O. FERNANDO and Dr. E. R. JANSZ; publs. *Proceedings*†, *Vidya Viyapthi*.

Sri Lanka Library Association: c/o The Library, University of Sri Lanka, Colombo Campus, P.O.B. 1698, Colombo; f. 1960; 625 mems.; Pres. E. D. T. KULARATNE, B.A., A.L.A.; Hon. Gen. Sec. JAYASIRI LANKAGE, M.A., B.LIB.SC.; publ. *Ceylon Library Review*† (annual).

Sri Lanka Medical Association: S.L.M.A. House, 6 Wijerama Mawatha, Colombo 7; Pres. Dr. H. B. PERERA; Hon. Gen. Sec. Dr. G. W. KARUNARATNE; publ. *Ceylon Medical Journal*.

Theosophical Society of Ceylon: Besant House, 49 Peterson Lane, Colombo 6.

RESEARCH INSTITUTES

Agrarian Research and Training Institute: P.O.B. 1522, 114 Wijerama Mawatha, Colombo 7; f. 1972; research into agrarian structures and agricultural development; operates an information service and training programmes; library: *see* Libraries; Dir. C. NARAYANASAMY; publs. *Annual Report*, *News Letter*, *Farmers' Journal* (in Sinhala and Tamil), *Journal of Agrarian Studies*, research studies, occasional publications.

Central Agricultural Research Institute: Gannoruwa, Peradeniya; f. 1965; research in agriculture with special reference to rice, vegetables, fruits, minor export crops, subsidiary food crops, floriculture; mushroom production and processing.

Ceylon Institute of Scientific and Industrial Research: 363 Bauddhaloka Mawatha, Colombo 7; f. 1955; applied technical research institute working in many fields for industry, government agencies and the public; process research, resources studies, waste material utilization, product testing, standards, calibration and repair of instruments, trouble shooting, technical consultation; industrial extension service; Dir. M. S. WIJERATNE, F.I.R.I., M.PHIL.

Consists of the following depts.:

Agro-Industries: Dir. (vacant).
Analytical Chemistry: Dir. Mrs. B. MUNASIRI, PH.D.
Applied Physics and Electronics: Dir. S. GNANALINGAM, PH.D.
Fats and Oils: Dir. (vacant).
Food Technology: Dir. ONIL PERERA, PH.D.
Industrial Economics Research: Dir. (vacant).
Industrial Microbiology: Dir. P. M. JAYATISSA, PH.D.
Materials Science and Physico-Mechanical Testing: Dir. M. H. C. WIJETUNGE, DR.RER.NAT., DIPL.-ING.
Minerals: Dir. M. G. M. U. ISMAIL, M.ENG.
Natural Products: Dir. E. R. JANSZ, PH.D.
Physical Chemistry: Dir. (vacant).
Pilot Plant and Design: Dir. S. A. ABEYSEKERA, PH.D.
Rubber Technology: Dir. L. P. MENDIS, PH.D. (acting).
Wood and Cellulose: Dir. (vacant).

Publs. *Annual Reports*†, *Bulletins*†, *Seminar Proceedings*.

Coconut Research Institute: Bandirippuwa Estate, Lunuwila; f. 1929; quasi-government research institute serving coconut industry of Sri Lanka; library of 8,000 vols.; Chair. Prof. B. A. ABEYWICKRAMA; Dir. Dr. U. PETHIYAGODA; publs. *Ceylon Coconut Quarterly*†, *Ceylon Coconut Planters' Review*†, *Annual Reports*†, *Bibliographical Series on Coconut*†.

Colombo Observatory: Bauddhaloka Mawatha, Colombo 7; f. 1907; climatological data for Sri Lanka; seismology; time service; astronomical service; radarwind and radiosonde observations for Colombo; admin. headquarters of Sri Lanka Meteorological Service; national meteorological broadcasts; Dir. K. D. N. DE SILVA.

Government Research Departments:

Department of Archaeology: Sir Marcus Fernando Rd., Colombo 7; preservation and excavation of ruins and ancient monuments; Commissioner Dr. R. H. DE SILVA; publs. *Administration Report*, *Ancient Ceylon* (annually).

Department of Cultural Affairs: Dharmapala Mawatha, Colombo 7; preservation of traditional culture; Dir. P. A. ABEYWICKREMA.

Fisheries Research Station, Department of Fisheries: P.O.B. 531, Macan Macar Mawatha, Colombo 3; Officer-in-Charge A. S. MENDIS.

Geological Survey Department: 48 Sri Jinaratana Rd., Colombo 2; f. 1902; geological mapping, preparation of maps; exploration and evaluation of mineral deposits, investigation of engineering and water supply projects; 207 mems.; Dir. Dr. M. M. J. W. HERATH; publs. *Annual Report*, *Memoirs*, *Mineral Information Series*, *Economic Bulletins*.

Department of Wild Life Conservation: 29 Gregory's Rd., Colombo 7; f. 1950; Dir. S. D. SAPARAMADU; publs. *Sri Lanka Wild Life*, *Vana Divi* (monthly), *Wild Life* (annually), *National Parks of Sri Lanka*.

Fisheries Research Station: Negombo.

Central Rice Breeding Station: Batalagoda, Ibbagamuwa; Principal Officer N. VIGNARAJAH.

Economic Research Unit: Business Intelligence Dept., Bank of Ceylon, Colombo; Business Intelligence Officer D. L. O. WELIKALA.

Industrial Development Board of Sri Lanka: 615 Galle Rd., Katubedda, Moratuwa; f. 1969; promotion, evaluation and development of industries, manufacture of machinery, provision of industrial information and extension facilities; 8 regional offices; library of 6,010 vols., 400 periodicals, 1,600 reports; Chair. B. C. PERERA; Dir. Documentation and Publications Division Mrs. I. UNAMBOOWE; publs. *Karmantha*, annual reports, project feasibility studies, State of the Art studies, bibliographic series, etc.

Medical Research Institute: Borella, Colombo; f. 1900; comprising departments of Bacteriology, Biochemistry, Calf Lymph, Entomology, Food and Water, Leptospira, Media, Mycology, Clinical Pathology, Parasitology, Nutrition, Pharmacology, Salmonella, Serology, Vaccines, Virus, Pasteur Chemistry of Natural Products and School of Medical Laboratory Technology; Dir. Dr. K. NITYANANDA; Sec. H. L. WIJESINGHE.

National Science Council of Sri Lanka: 47/5 Maitland Place, Colombo 7; f. 1968; advises government on research co-ordination, scientific policy, funds and research and its application in Sri Lanka; initiates and promotes research, liaises with similar overseas bodies and publishes scientific reports; the Sri Lanka Scientific and Technical Information Centre (SLSTIC), the Sri Lanka Social Sciences Research Centre and the "Man and the Biosphere" Programme for Sri Lanka work under the auspices of the Council; library of 1,040 vols.; documentation and publications unit; Sec.-Gen. L. C. A. DE S. WIJESINGHE; publs. *Journal*† (2 a year), *Annual Report*†, *Current Science Bulletin*, *Sri Lanka Science Index*, *Vidurawa*.

Royal Botanic Gardens: Peradeniya; f. 1821; Supt. D. M. A. JAYAWEERA, M.SC., F.L.S.

Rubber Research Institute of Sri Lanka: Agalawatta; f. 1910; Colombo office and laboratories: Telawala Rd., Ratmalana, Mt. Lavinia; research and advisory services on rubber planting and manufacture; comprises five research depts., extension dept. and economic research unit, specification unit and estate dept.; about 500 staff; Dir. Dr. O. S. PERIES, PH.D.; Chief Admin. Officer M. N. J. JAYARATNE B.A.; publs. *Annual Report*, *Annual Review*, quarterly journals, bulletins and advisory circulars.

Sri Lanka Water Resources Board: 2 Gregory's Ave., Colombo 7; established 1966; advises the Government on all matters concerning the conservation and utilization of water resources; library of 2,595 vols., 100 periodicals; Chair. Dr. LESLIE HERATH.

Tea Research Institute of Sri Lanka: St. Coombs, Talawakelle; f. 1925; tea processing, propagation and pest control techniques, fertilizer economy, plant biochemical and sand culture technology; library of 20,000 vols., 250 periodicals; Dir. R. L. WICKREMASINGHE, PH.D., F.R.I.C.; publs. *Tea Quarterly*, *Annual Report*.

Veterinary Research Institute: Gannoruwa, Peradeniya; concerned with research and investigations into health and production problems of livestock and poultry; Dir. Dr. S. B. DHANAPALA, PH.D., D.A.P.E., D.T.V.H.

LIBRARIES

Agrarian Research and Training Institute Library: P.O.B. 1522, 114 Wijerama Mawatha, Colombo 7; f. 1972; 5,000 vols. and 120 periodicals; several hundred reports and reprints; proposed repository for agrarian information relating to Sri Lanka; Librarian W. RANASINGHE.

British Council Libraries: P.O.B. 753, 154 Galle Rd., Colombo 3; f. 1950; 36,495 vols., 186 periodicals; Librarian Mrs. N. COLONNÉ, M.A.; Branch Library: Dalada, Vidiya, Kandy; f. 1960; 19,951 vols., 101 periodicals; Librarian Mrs. L. M. WIRASINGHA, B.A., A.L.A.

Ceylon Institute of Scientific and Industrial Research Library: 363 Bauddhaloka Mawatha, Colombo 7; f. 1955; 18,000 vols., 300 journals; several thousand reports, reprints, standards; information service to scientists and engineers; Librarian Miss C. L. M. NETHSINGHA, M.A., A.L.A.; publs. *Current technical literature*† (quarterly), *Bibliographical Series*†, State of the Art surveys on spices and essential oil-bearing plants.

Ceylon National Library Services Board: 74 Davidson Rd., Colombo 4; f. 1970; responsible for the establishment and maintenance of the National Library of Sri Lanka; plans and assists in the organization and development of library services in general, the publication of reading material and audiovisual aids; advises on professional qualifications for library personnel; promotes development of library education and training; Unesco and Sri Lanka deposit library; reference and professional library; bulk loan collections for schools and public libraries; Chair. M. A. GOONATILAKE; Dir./Sec. N. AMARASINGHE; publs. *Ceylon National Bibliography*† (monthly), *Library News*† (quarterly).

Colombo National Museum Library: P.O.B. 854, Colombo 7; f. 1877 (incorporating collection of Government Oriental Library, f. 1870); depository for Sri Lanka publications since 1885; 500,000 items (including

83,297 vols. and 2,200 periodicals); 3,516 MSS. in Sinhala and Sanskrit, Pali, Burmese and Cambodian; Librarian Miss C. I. Karunanayake, b.a.; publs. *Sri Lanka Periodicals Index, NML Acquisitions Bulletin, Periodicals Directory, Bibliographical Series.*

Department of National Archives: 7 Reid Avenue, Colombo 7; f. 1902; contains official records of the Dutch Administration from 1640 to 1796, British Administration from 1796 to 1948; official records of Independent Ceylon from 1948 onwards; a few codices of Portuguese Administration prior to 1656 and some documents in French, Sinhalese and Tamil; deals with documents in private possession; is the legal depository for all printed material in the country, effects the registration of printing presses, printed publications, and newspapers; holds copies of books printed after 1885 and newspapers since 1839; Dir. A. Dewaraja, b.a.; publs. *Administration Report of The National Archives, Quarterly Statement of Books printed in Sri Lanka* (quarterly), *Catalogue of Newspapers* (annual).

Law Library: Hultsdorp, Colombo 12.

Public Library: 18 Sir Marcus Fernando Mawatha, Colombo 7; f. 1925; 11 brs.; one mobile library; 44,204 mems.; library of 177,346 vols., 465 periodical titles; Chief Librarian Mrs. Ishvari Corea, b.a., dip.lib., a.l.a.; publs. *Quarterly Accessions List, Programme of Extension Activities* (quarterly), *Administration Report* (annually).

Tea Research Institute Library: St. Coombs, Talawakelle; f. 1925; 20,000 vols. and 250 periodicals for reference and loan, including a specialist reference section dealing with tea and allied subjects; Librarian Miss Y. S. Kandamby, b.a.

University of Sri Lanka, Colombo Campus Library: Colombo 3; f. 1967; 102,000 vols.; Librarian Mrs. V. de Souza, b.a., dip.lib., a.l.a.; publ. *Ceylon Journal of Medical Science*† (half-yearly).

University of Sri Lanka, Peradeniya Campus Library: Peradeniya; f. 1921; 7,500 mems.; 435,000 vols.; Librarian H. A. I. Goonetileke, b.a., dip. lib., f.l.a.; publs. *Ceylon Journal of Science (Biological Sciences)*†, *Modern Ceylon Studies: A Journal of Social Sciences*†, *Sri Lanka Journal of Humanities*† (half-yearly).

MUSEUMS

National Museums of Sri Lanka: P.O.B. 854, Sir Marcus Fernando Mawatha, Colombo 7; Dir. Dr. P. H. D. H. de Silva, ph.d., f.z.s., f.a.z.; publs. *Spolia Zeylanica* (Bulletin of the National Museum of Ceylon) (annual), *Administration Report of the Director of National Museums, Sri Lanka* (annual), *Ceylon National Museums Manuscript Series, Ceylon National Museums Zoological Series, Ceylon National Museums Handbook Series, Singithi* (magazine for children).

Colombo National Museum: Colombo; f. 1876; national collection of art and antiquities, natural sciences and folk culture; Dir. P. H. D. H. de Silva, ph.d., f.z.s., f.a.z.

Kandy National Museum: Kandy; f. 1942; regional museum for the central part of the country; Curator H. M. A. B. Herath.

Ratnapura National Museum: Ratnapura; f. 1942; regional museum for the Sabaragamuwa Province; Curator C. Kuruppu.

Anuradhapura Folk Museum: Anuradhapura; f. 1971; regional museum for North Central Province.

UNIVERSITIES

UNIVERSITY OF SRI LANKA

P.O.B. 1406, SENATE HOUSE,
18 WARD PLACE,
COLOMBO 7

In 1972 the four universities and the College of Technology were amalgamated to form the integrated University of Sri Lanka.

Chancellor: The President of the Republic.
Pro-Chancellor: The Minister of Education.
Vice-Chancellor: Prof. P. P. G. L. Siriwardene, ph.d., d.sc.
Registrar: W. M. A. Wijeratne Banda, b.a.

UNIVERSITY OF SRI LANKA, COLOMBO CAMPUS

94 CUMARANATUNGA
MUNIDASA MAWATHA,
COLOMBO 3

Telephone: 81835.

Founded 1967 as University of Colombo; reorganized 1972 as campus of University of Sri Lanka.

State control; Languages of instruction: Sinhalese, Tamil, English; Academic year: July to June.

President: Prof. M. B. Ariyapala.
Registrar: K. P. G. Wijayasurendra.
Librarian: Mrs. Violet de Souza, b.a., dip.lib., a.l.a.

Number of teachers: 325.
Number of students: 4,214.

Publication: *Journal of Medical Sciences.*

Deans:

Faculty of Arts: Dr. H. D. B. Karunatilake.
Faculty of Law: Prof. T. Nadaraja, ph.d.
Faculty of Medicine: Prof. S. R. Kottegoda, d.phil.
Faculty of Natural Sciences: Prof. V. K. Samaranayake, ph.d.
Faculty of Education: D. Arampatta.

Professors:

Abeysinghe, T. B. H., Sociology
Abeywickrama, B. A., Botany
Ariyapala, M. B., Sinhalese
Arupragasam, K. D., Zoology
Attygale, D., Pathology
Bastiampillai, B., Modern History
Chapman, T. E. D., Bacteriology
Dharmadasa, K., Medicine
Dias, H. D., Geography
Dissanayake, S. A. W., Psychiatry
Fernando, H. V. J., Forensic Medicine
Fonseka, C. C., Physiology
Fonseka, R. N. de., Botany
Fonseka, T. E. J. de, Public Health and Preventive Medicine
Gunapala, D. G. W., Science and Technical Education
Gunatilake, D. E., Obstetrics and Gynaecology
Hewage, L. G., Humanities Education
Hoover, A. A., Biochemistry
Indraratne, A. D. V. de S., Economics
Jayawaera, Mrs. S., Social Science Education
Kannangara, M. L. T., Physics
Karunatilake, H. D. B., Sociology
Kottegoda, S. R., Pharmacology
Lionel, N. D. W., Pharmacology
Muthulingam, S., Educational Psychology
Mutucumarana, T. de S., Physics
Nadaraja, T., Law
Navaratne, R. A., Surgery
Panditharatne, P. S. S., Anatomy
Ponnadurai, T., Parasitology
Ramakrishna, R. S., Chemistry
Samaranayake, V. K., Mathematics
Sarathchandre, E. R., Sinhalese
Sathasivam, A., Language and Cultural Studies
Senaviratne, K. N., Physiology
Siriwardene, P. P. G. L., Chemistry
Soysa, Mrs. P. E., Paediatrics
Tharmaratnam, V., Mathematics
Weerasinghe, H. D., Preventive Medicine and Public Health
Wijewardane, G. D., Sinhalese

UNIVERSITY OF SRI LANKA, JAFFNA CAMPUS

THIRUNELVELY, JAFFNA

Founded 1974.

President: Prof. S. Vithiananthan.

Registrar: J. H. Ariyaratnam.

Librarian: R. S. Thambiah, M.A., M.SC.

Library of 70,000 vols.

Number of teachers: 114.

Number of students: 620.

Publications: *Cintanai* (quarterly), *Jaffna Campus News* (monthly), *Sri Lanka Journal of South Asian Studies* (annually), *Poetry Jaffna Pattnam* (occasional).

Deans:

Faculty of Humanities: Prof. K. Indrapala, PH.D.

Faculty of Science: Prof. P. Kanagasabapathy, M.SC., M.A.

Professors:

Gamlath, S., Sinhala
Ganeshalingam, V. K., Zoology
Indrapala, K., History
Jeyasingham, W. L., Geography
Kailasanatha Kurukkal, K., Hindu Civilization
Kailasapathy, K., Tamil
Kanagasabapathy, P., Mathematics and Statistics
Kunaratnam, K., Physics

UNIVERSITY OF SRI LANKA, KATUBEDDA CAMPUS

KATUBEDDA, MORATUWA

Founded 1966 as College of Technology; present status 1972.

Languages of instruction: Sinhala, Tamil, English; Academic year: May to April.

President: Prof. U. S. Kuruppu, PH.D.

Dean: Prof. S. Karunaratne, M.SC.

Deputy Registrar: S. R. Fernando.

Librarian: S. Rubasingham, B.A., DIP.LIB.

Number of teachers: 320 (including part-time).

Number of students: 1,239 full-time, 1,261 part-time.

Professors and Heads of Departments:

de Silva, A. R. T., PH.D., M.I.M., Applied Science
Fernando, L. D., PH.D., Textile Technology
Gunaratne, N., F.R.T.P.I., R.I.B.A., Town and Country Planning
Gunatilake, P. D., M.A., PH.D., F.R.A.S., Mathematics
Karunaratne, S., M.SC., Electrical Engineering
Kuruppu, U. S., PH.D., Mechanical Engineering
Peiris, K. R. S., A.R.I.B.A., A.R.A.I.A., F.S.L.I.A., Architecture
Perera, K. K. Y. W., M.SC., PH.D., Electronics and Telecommunications
Ratnakara, T., B.A., M.SC., Languages and Social Studies
Saparamadu, A. A. D. D., B.SC., M.ED., Technical Teacher Training
Tennekoon, C. L. K., PH.D., Chemical Engineering
Wijeysekera, D. S., PH.D., Civil Engineering

UNIVERSITY OF SRI LANKA, PERADENIYA CAMPUS

UNIVERSITY PARK,
PERADENIYA

Telephone: Peradeniya: Private Exchange through Kandy.

Founded 1942 by the incorporation of the Ceylon Medical College (f. 1870) and the Ceylon University College (f. 1921); reorganized 1972 as campus of main University of Sri Lanka.

State control; Languages of instruction: Sinhala, Tamil, English; Academic year: May to April.

President: Dr. B. L. Panditharatne.

Deputy Registrar: D. S. Abeysinghe (acting).

Librarian: H. A. I. Goonetileke, B.A., DIP.LIB., F.L.A.

Number of teachers: 425.

Number of students: 4,446.

Deans:

Faculty of Arts: Prof. K. W. Goonawardene, PH.D.

Faculty of Science: Prof. V. Appapillai, PH.D., F.I.P.

Faculty of Medicine: Prof. G. E. Tennakone, L.M.S., PH.D., M.C.PATH.

Faculty of Engineering: Prof. A. Thurairajah, PH.D.

Faculty of Agriculture: Prof. R. R. Appadurai, M.SC., PH.D.

Professors:

Faculty of Arts:

Fernando, P. E. E., PH.D., Sinhala
Goonewardene, K. W., PH.D., History
Gunasekera, H. A. de S., M.SC., PH.D., Economics
Silva, K. M. de, PH.D., Ceylon History
Thambyahpillay, G. G. R., PH.D., F.R.MET.S., Geography
Tilakasiri, J., PH.D., Sanskrit
Vithiananthan, S., M.A., PH.D., Tamil

Faculty of Science:

Appapillai, V., PH.D., F.I.P., Physics
Crusz H., PH.D., B.SC., Zoology
Dassanayake, M. D., PH.D., Botany
Maheswaran, M., PH.D., Mathematics
Sultan Bawa, M. U. S., PH.D., D.I.C., F.R.I.C., Chemistry
Vithanage, P. W., M.SC., PH.D., Geology

Faculty of Medicine:

Arsecularatne, S. N., D.PHIL., Bacteriology
Barr-Kumarakulasinghe, C., M.B., B.S., F.R.C.S., Surgery
Basnayake, V., M.B., B.S., D.PHIL., Physiology
Bibile, S. W., M.B.B.S., PH.D., Pharmacology
Dissanayake, S. B., F.D.S., R.C.S., L.D.S., B.D., Dental Surgery
Fernando, D. P. H., M.B.B.S., Preventive and Social Medicine
Gomes, W. J., M.D., D.C.H., M.R.C.P., Paediatrics
Jayatilleke, A. D. P., M.B., B.S., PH.D., Anatomy
Kodituwakku, G. E., PH.D., D.T.V.M., Veterinary Clinical Studies
Rodrigo, M. A. A., M.B.B.S., M.R.C.P. D.P.M., Psychiatry
Silva, M. L. D. N. K. de, M.B.B.S., F.R.C.S., M.R.C.O.G., Obstetrics and Gynaecology
Tennakoon, G. E., PH.D., Pathology
Varagunam, T., M.D., M.R.C.P., Medicine
Wickremanayake, T. W., M.B.B.S., PH.D., Biochemistry

Faculty of Engineering:

De Silva, H. B., M.SC., Civil Engineering
Fernando, W. M. G., M.SC., Electrical Engineering
Jayasekera, W. P., PH.D., Electrical Engineering
Jayatileke, C. L. V., PH.D., Mechanical Engineering
Mahalingham, S., PH.D., Mechanical Engineering
Samuel, T. D. M. A., M.SC., PH.D., Engineering Mathematics
Thurairajah, A., PH.D., Civil Engineering

Faculty of Agriculture:

Appadurai R. R., M.SC.(AGRIC.), PH.D., Animal Husbandry
Jogaratnam, T., M.S.A., Agricultural Economics and Farm Management
Senanayake, Y. D. A., M.SC., PH.D., Crop Science
Thenabadu, M. W., PH.D., Agricultural Chemistry

UNIVERSITY OF SRI LANKA, VIDYALANKARA CAMPUS

KELANIYA

Telephone: 34849.

Formerly Vidyalankara Pirivena; raised to University status by Act of Parliament in 1959; reorganized 1972 as campus of University of Sri Lanka.

President: Dr. Abaya Ariyasinghe.

Deputy Registrar: W. P. P. Abeydeera.

Librarian: T. G. Piyadasa (acting).

Number of teachers: 255, including 74 part-time.

Number of students: 1,995.

Deans:

Faculty of Arts: Prof. W. S. Karunaratne.

Faculty of Science: Prof. C. R. Kulatillake.

Professors:

Ariyaratne, J. K. P., PH.D., Chemistry
Balasooriya, I., PH.D., Botany
Costa, H. H., PH.D., Zoology
Dahanayake, C., PH.D., Physics
Halpe, A., PH.D., English
Imam, S. A., Arabic and Islamic Civilization
Jayawickrama, N. A., PH.D., Pali
Karunadasa, Y., PH.D., Pali
Karunanayake, S. A. K., PH.D., Economics
Karunaratne, W. S., PH.D., Buddhist Studies
Kulasuriya, A. S., PH.D., Sinhalese
Kulatillake, C. R., M.A., Mathematics
Liyanagamage, A., PH.D., History
Palihawadana, M., PH.D., Sanskrit
Perera, M. P., M.A., PH.D., Geography
Weerasinghe, S. G. M., M.A., PH.D., Philosophy

UNIVERSITY OF SRI LANKA, VIDYODAYA CAMPUS

GANGODAWILA, NUGEGODA

Telephone: 073-2695/6.

Founded 1959; reorganized 1972 as campus of University of Sri Lanka.

Languages of instruction: Sinhalese and English.

President: Prof. K. T. D. DE SILVA.

Additional Registrar: H. M. TISSERA.

Librarian: W. B. DORAKUMBURA, M.LIB.SC.

Number of teachers: 142.

Number of students: 2,125.

DEANS:

Faculty of Arts: Dr. A. V. SURAWEERA, PH.D.

Faculty of Science: K. T. D. DE SILVA, B.PHARM., PH.D., A.R.I.C.

PROFESSORS:

BALAGALLE, W., B.A., Sinhala
ELLAWALA, H., M.A., PH.D., History
EPASINGHE, P. W., PH.D., D.I.C., Mathematics
FERNANDO, P. C. B., PH.D., Physics
GNANAWASA, H., Buddhist Studies
PERERA, K. J., M.A., PH.D., Languages and Cultural Studies
DE SILVA, K., Chemistry
THILAKARATNA, S., M.A., PH.D., Economics
WEERAKOON, A. C. J., PH.D., Biology

COLLEGES

AQUINAS COLLEGE OF HIGHER STUDIES

COLOMBO 8

Founded 1954.

Courses for the external examinations of University of Sri Lanka, for the Aquinas Diplomas and Certificates, and for examinations conducted by professional institutions in Sri Lanka and abroad.

Rector: Rev. NEVILLE EMMANUEL.

Registrar: S. E. SEBASTIAN.

Bursar: (vacant).

Faculties of Arts, Science and Law; School of Business; Institute of Religious Formation; Institute of Technology; School of Agriculture; 1,300 students; library of 33,000 vols.; experimental farm at Ragama.

CEYLON LAW COLLEGE

244 HULFTSDORP STREET,
COLOMBO 12

Incorporated 1900.

Chairman: The Chief Justice of Sri Lanka.

Principal: R. K. W. GOONESEKERE, LL.B., B.C.L.

Number of teachers: 34.

Number of students: 425.

Ceylon College of Physicians: 6 Wijerama Mawatha, Colombo 7; f. 1967.

President: Dr. N. J. WALLOOPILLAI, M.D., F.R.C.P., F.A.C.C.

Joint Hon. Secretaries: Dr. LAKSHMAN RANASINGHE, M.R.C.P., D.C.H., Dr. U. S. JAYAWICKREMA, M.D., M.R.C.P.

Sri Lanka Technical College: Colombo 10; f. 1893; courses in trades and commerce.

Principal: D. W. WIJESENA, B.COM., M.A.

Registrar: M. S. M. SHAFEEK.

Librarian: Mrs. K. I. PONNAMPERUMA.

Number of students: 4,300.

In-Service Training Institute and Central Research Station: Peradeniya.

Agricultural Officer (In-Service Training): S. D. WIJEGOONAWARDENA, B.SC.(AGRIC.).

Jaffna College: Vaddukoddai; f. 1823, renamed 1872; provides primary, secondary and tertiary technical education at Vaddukoddai, engineering courses at Kanawakai, agricultural courses at Maruthanamadam.

Director, Technical Education: S. RAJANAYAGAM.

Dean, Engineering: G. D. SOMASUNDARAM.

Principal, Agriculture: J. J. NILES.

ATTACHED INSTITUTE:

Christian Institute for the Study of Religion and Society: Christa Seva Ashram, Chunnakam; Dir. Rev. Canon V. S. D. SATTHIANADHAN.

School of Agriculture: Kundasale.

Principal: P. O. S. ABEYWARDENE, B.SC.

Additional Principal: S. R. ARASASINGHAM, B.SC.AGRIC., M.S.

SUDAN

Population 16,126,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agricultural Research Corporation, Ministry of Agriculture: P.O.B. 126, Wad Medani; f. 1919; 116 specialists; includes the following sections: Agronomy and Plant Physiology; Botany and Plant Pathology; Entomology (pest control, etc.); Cotton Breeding; Cereal Breeding; Soil Science; Horticultural Research; also directs four Regional Research Stations at Wad Medani (Gezira), Ed Damer (Hudeiba), Abu Naama (Kenana), and Yambio (Equatoria); and six sub-stations; library (*see* below); Dir. Osman Muhammad Salih, m.sc.

American Cultural Center: Qasr Ave., Khartoum; library of 5,000 vols.

Antiquities Service: P.O.B. 178, Khartoum; f. 1939; Commissioner for Archaeology Najm Ed Din Shareef; library: *see* Libraries; publs. *Kush* (journal of the Antiquities Service) (annual), occasional papers.

British Council: 45 Sharia Gamaa, P.O.B. 1253, Khartoum; Rep. R. A. K. Baker; libraries; *see* Libraries.

Centre Culturel Français: P.O.B. 1568, Khartoum; Dir. Jean-Michel Pettinelli.

Educational Documentation and Research Centre: P.O.B. 2490, Khartoum; f. 1967; 7 mems.; library of 13,000 vols.; Dir. Abdulla Mohamed Suliman; Asst. Dir. Ibrahim Mohamed Sharief Shatir; publs. *Al Tawthik El Tarbawi*†, (Educational Documentation, quarterly), annual reports and educational researches.

Forest Research and Education Institute: P.O.B. 658, Khartoum; f. 1962; Dir. A. A. Bayoumi.

Geological Survey Department: P.O.B. 410, Khartoum; applied research and surveys; library of 3,000 vols.; Dir. Abdel Latif Widatalla.

Industrial Consultancy Corporation: P.O.B. 268, Khartoum; f. 1965 by the Government with assistance from the UN Development Programme; performs tests, investigations, analysis, research and surveys; offers advice and consultation services to industry; Dir. Abdel Rahman Abdel Halim.

Institute of Public Administration: P.O.B. 1492, Khartoum; f. 1960; a joint undertaking between the UN and the Sudan, to provide practical and academic training for government officials; to conduct studies on current administrative problems and to produce manuals and other documents on administrative operation in the Sudan; library of 5,000 vols.; Dir. El Sunni Banaga; publs. *Sudan Journal of Administration and Development*†, *Occasional papers*†.

Ministry of Animal Resources, Research Division: P.O.B. 293, Khartoum, Sudan; Dir. of Research Dr. Muhammad el Tahir Abdel Razig, dip.vet.sc., m.sc., ph.d.; Senior Veterinary Research Officer Dr. Amin Mahmoud Eisa, b.v.s.c., m.sc.

National Council for Research: P.O.B. 2404, Khartoum; f. 1970; responsible for organization, planning and direction of scientific research within State policy for the realization of economic and social development; four sub-councils: Agricultural Research Council, Economic and Social Research Council, Medical Research Council and Scientific and Technological Research Council; six centres: National Atomic Energy Commission, National Computer Centre, National Commission on the Peaceful Uses of Outer Space (under establishment), National Documentation Centre and Scientific and Technological Potentials Survey Unit; Pres. H. E. Wadie Habashi; Sec.-Gen. Prof. Mohamed Osman Khidir.

Philosophical Society: P.O.B. 526, Khartoum; f. 1946; covers many subjects, including archaeology, ethnology, economics, sociology and natural history; publs. *Sudan Notes and Records*, *Proceedings of Annual Conferences*.

Soviet Cultural Centre: P.O.B. 359, Khartoum; Library of 9,800 vols.; Dir. Dr. Shota Gourgallashivili.

Sudan Medical Research Laboratories: P.O.B. 287, Khartoum; f. 1935; Dir. Mahmoud Abdel Rahman Ziada, d.k.s.m., m.c.path.

LIBRARIES

Antiquities Service Library: P.O.B. 178, Khartoum; f. 1946; 7,200 vols. excluding periodicals; Librarian Awatif Amin Bedawi.

Bakht er Ruda Institute of Education Library: Khartoum; central library, postal library for teachers.

British Council Libraries: 45 Sharia Gama'a, P.O.B. 1253, Khartoum; f. 1963; 9,485 vols., 65 periodicals; Regional Librarian (vacant); El Fasher: f. 1964; 3,631 vols., 18 periodicals; El Obeid, Kordofan Province: f. 1960; 5,322 vols., 17 periodicals; Omdurman: f. 1958; 3,245 vols., 63 periodicals; Wad Medani: f. 1960; 6,472 vols., 34 periodicals.

Central Records Office: Council of Ministers, P.O.B. 1914, Khartoum; f. 1949; 5,000,000 documents covering Sudanese history since 1870; library of 6,600 vols.; Dir. Dr. M. I. A. Abu Saleem.

Flinders Petrie Library: Sudan Antiquities Service, P.O.B. 178, Khartoum; f. 1946; number of vols. 6,000.

Geological Survey Library: P.O.B. 410, Khartoum; f. 1904; 2,000 vols.; publs. *Annual Report*, *Bulletin*.

Gezira Research Station Library: Wad Medani; 6,500 vols. on agricultural topics.

Khartoum Polytechnic Library: P.O.B. 407, Khartoum; f. 1950; 10,000 vols. on technical subjects; Librarian Gabir Abdul Rahim.

Library of the University of Khartoum: P.O.B. 321, Khartoum; f. 1945; contains 209,000 vols. and receives 4,200 periodicals and journals; includes a special Sudan and African collection; acts as a depository library for UN, FAO, ILO, WHO and UNESCO publications; both are under the general charge of the University Librarian Abdel Rahman El Nasri.

Omdurman Central Public Library: Omdurman; f. 1951; 17,650 vols.

Research Division Library: Ministry of Agriculture, Wad Medani; f. 1931; approx. 6,500 vols., 13,710 pamphlets, 250 current journals; Librarian S. A. MOHAMED.

Sudan Medical Research Laboratories Library: P.O.B. 287, Khartoum; f. 1904 (as part of Wellcome Tropical Research Laboratories); 7,000 pamphlets, 6,000 vols.

Wellcome Chemical Laboratories Library: Chemical Laboratories, Ministry of Health, P.O.B. 303, Khartoum; f. 1904; Librarian, Government Analyst; 1,600 pamphlets, 2,500 vols.

MUSEUMS

Ethnographical Museum: Khartoum, P.O.B. 178; f. 1956; collection and preservation of ethnographical objects; Curator Dr. LUTHER STEIN.

Khalifa's House: Omdurman.

Merowe Museum: Merowe, Northern Province; antiquities and general.

Sheikan Museum: El Obeid; archaeological and ethnographic museum.

Sudan Natural History Museum: University of Khartoum, P.O.B. 321, Khartoum; f. 1920; transferred from the Ministry of Education to the University of Khartoum, and reorganized 1956; Keeper Dr. FAYSAL T. ABUSHAMA, M.SC., PH.D.; Curator MUHAMMAD A. AL RAYAH.

Sudan National Museum: P.O.B. 178, Khartoum; f. 1971; Departments of Antiquities, Ethnology and Sudan Modern History; controls the Ethnographical, Merowe, Sheikan and Khalifa museums; Commissioner for Archaeology SAYED N. M. SHERIF, B.A.; Deputy Commissioner Dr. MUBARAK EL RAYAH; Chief Curator AKASHA M. ALI, B.SC., A.M.A.; publs. *Report on the Antiquities Service and Museums*, *Kush* (annually), occasional papers, museum pamphlets, etc.

UNIVERSITIES

UNIVERSITY OF GEZIRA

P.O.B. 20, WAD MEDANI

Founded 1975; in process of formation.

Vice-Chancellor: MOHD. OBEID MUBARAK.

Faculties of agriculture, economics, medicine, science and technology.

UNIVERSITY OF JUBA

P.O.B. 82, JUBA

Founded 1975; first student admission 1977.

State control; Language of instruction: English; Academic year: September to July (two semesters).

Chancellor: Major-Gen. P. S. C. GAAFAR MOHAMED NIMERI, President of the Republic.

Vice-Chancellor: Dr. ABDEL RAHMAN ABU ZAYD.

Secretary-General: (vacant).

Librarian: Mrs. DIANA ROSENBERG.

Number of teachers: 41.
Number of students: 116.

Publication: *Juvarsity.*

DEANS:

College of Natural Resources and Environmental Studies: Dr. JOSEPH AWAD MORGAN.

College of Social and Economic Studies: Dr. ROBIN MILLS (acting).

College of Education: PETER HART (acting).

College of Adult Education and Training: GEORGE ISMAIL GABRA.

THE UNIVERSITY OF KHARTOUM

P.O.B. 321, KHARTOUM
Telephone: 75100.

Founded 1956; formerly University College of Khartoum.

Language of instruction: English (except for departments of Arabic and Sharia Law); Academic year: July to April.

Chancellor: THE PRESIDENT OF THE STATE.

Vice-Chancellor: Dr. ALI MOHAMED FADL, PH.D.

Principal: Ustaz AHMED ISMAIL EL NADIF.

Secretary: Ustaz ELZAIN ALI IBRAHIM, B.A., M.P.A.

Librarian: Ustaz ABDEL RAHMAN EL NASRI HAMZA, M.A.

Library: *see* Libraries.

Number of teachers: 788.

Number of students: 7,833.

DEANS:

Faculty of Agriculture: Prof. ABDEL RAHMAN EL TAYEB ABDEL HAFEEZ.

Faculty of Arts: Prof. YOUSIF FADL HASSAN.

Faculty of Education: Prof. MANDOUR EL MAHADI AHMED.

Faculty of Economic and Social Studies: Dr. ABBAS AHMED MOHAMED.

Faculty of Engineering and Architecture: DAFALLA BEDAWI BABIKER.

Faculty of Law: Dr. MOHAMED EL FATIH HAMID.

Faculty of Medicine: Prof. SAAD AHMED IBRAHIM.

Faculty of Pharmacy: Dr. YAHIA MOHAMED EL KHEIR.

Faculty of Science: MAMOUN DAWOUD EL KHALIFA.

Faculty of Veterinary Science: Prof. AMIR MOHAMED SALIH MUKHTAR.

Graduate College: Prof. MOHAMED OMER BESHIR.

Institute of African and Asian Studies: Dir. Dr. Y. F. HASSAN, PH.D.

School of Extra Mural Studies: Dir. Dr. SID AHMED NUGDALLA, M.A., PH.D.

Institute of Building and Road Research: Deputy Dir. Dr. ABDALLA IBRAHIM FADL.

CAIRO UNIVERSITY KHARTOUM BRANCH

P.O.B. 1055, KHARTOUM

Founded October 1955, as a branch of Cairo University.

Vice-Chancellor: Prof. MUHAMMAD RIFAAT RAMADAN.

Registrar: MUHAMMAD SABRY EL SAADI, LL.B.

Number of teachers: *c.* 80.
Number of students: *c.* 5,000.

Faculties of Arts, Commerce and Law.

ATTACHED INSTITUTE:

Higher Institute of Statistics: f. 1969; offers two-year postgraduate course; 10 teachers, 150 students; Dir. A. M. SHAFIE, M.SC., PH.D.

OMDURMAN ISLAMIC UNIVERSITY

P.O.B. 382, OMDURMAN
Telephone: 54220.

Founded 1912; university status 1965.

State control; Language of instruction: Arabic.

Chairman of University Council: Dr. O'ON EL SHARIF GASIM.

Vice-Chancellor: Prof. KAMIL EL SAYED MOHAMMED EL BAGHIR.

Secretary-General: EL AMIN MOHAMMED AHMED KIWIRRA.

Academic Secretary: MUBARAK IDRIS AHMED.

Librarian: SAYED AHMED EISSA.

Library of 70,000 vols.
Number of teachers: 65.
Number of students: 1,141.

Deans:

Faculty of Social Studies: Dr. Yousif Hamid El A'alim.

Faculty of Arts: Dr. Hassan Mohammed El Fatih.

Faculty of Islamic Studies: Dr. Ahmed Ali El Azrag.

COLLEGES AND INSTITUTES

(In Khartoum unless otherwise indicated.)

College of Fine and Applied Art: P.O.B. 407; f. 1946 as Higher School of Arts and Crafts, present status 1971; courses in Graphic Design, Printing and Binding, Calligraphy, Sculpture, Ceramics, Painting, Industrial Design, History of Art, Drawing, General Studies; 23 teachers, 180 students; Dean Ahmed Mohamed Shibrain.

Institute of Laboratory Technology: 3-year diploma course; Principal A. A. Akoor.

Institute of Radiography and Radiotherapy: P.O.B. 1908; f. 1970; 3-year diploma course; 120 students; Principal A. M. Salih.

Institute of Survey Technicians: 3-year diploma course; Principal M. O. Adam.

Khartoum Nursing College: P.O.B. 1063; 3-year diploma course; Principal A. M. Osman.

Khartoum Polytechnic: P.O.B. 407; f. 1967; incorporates previously existing colleges and institutes; agriculture, commerce, fine arts, engineering.

School of Hygiene: P.O.B. 205; 3-year diploma course; Principal S. El Gezoli.

Forest Rangers College: P.O.B. 12; f. 1946; 2-year diploma course; Principal E. Satti, b.sc.for.

SURINAM

Population 376,298

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centre for Agricultural Research in Surinam: P.O.B. 1914, Paramaribo; f. 1965; a branch of the University of Surinam; research in tropical agriculture; Dir. Hans Prade; publ. *Celos Bulletins.*

Geologisch Mijnbouwkundige Dienst (*Geological Mining Service*): 2-6 Kleine Waterstraat, Paramaribo; Dir. Drs. R. A. Cambridge; 13,102 vols. in library; publs. *Yearbook*, contributions in *Mededelingen*, geological maps.

Landbouwproefstation (*Agricultural Experiment Station*): P.O.B. 160, Paramaribo; f. 1903; attached to the Department of Agriculture, Animal Husbandry and Fisheries; library of 28,502 vols., including bound periodicals and pamphlets; Dir. F. W. van Amson, m.sc.; publs. *Annual Report, Surinam Agriculture* (2 to 3 a year), Bulletins (irregular).

Stichting Cultureel Centrum Suriname (*Surinam Cultural Centre*): P.O.B. 1241, Paramaribo; f. 1947 to promote and improve cultural activities throughout the country; library of 135,000 vols., 6 branches, 2 book-mobiles; Pres. R. Ritfell; Librarian Mrs. C. Carrilho-Fazel Alikhan.

Stichting Planbureau Suriname (*Surinam Planning Board*): Dr. S. Redmondstraat 118, P.O.B. 172, Paramaribo; Dir. Drs. H. E. Rijsdijk.

Stichting voor Wetenschappelijk Onderzoek van de Tropen (**WOTRO**) (*Netherlands Foundation for the Advancement of Tropical Research*): P.O.B. 1914, Paramaribo. (*See* also under Netherlands.)

MUSEUM

Stichting Surinaams Museum: P.O.B. 2306, Paramaribo, Surinam; f. 1954; library of 4,500 vols.; archaeology, cultural and natural history; Dir. J. Douglas; publ. *Mededelingen*† (quarterly).

UNIVERSITY

UNIVERSITEIT VAN SURINAME

(University of Surinam)

DR. SOPHIE REDMONDSTRAAT 118,
PARAMARIBO

Telephone: 2364

Founded 1968.

President: M. G. de Miranda.

Registrar: Drs. Ch. H. Eersel.

Library: in process of formation.
Number of teachers: 34.
Number of students: 550.

Deans:

Faculty of Law: Prof. Dr. L. Th. Waaldijk.

Faculty of Medicine: Prof. Dr. F. Jessurun.

SWAZILAND

Population 527,000

LEARNED SOCIETIES

Swaziland Art Society: P.O.B. 812, Mbabane; f. 1970; classes, workshops, exhibitions, films, discussions, etc.; 60 mems.; Chair. I. MACKINSON, O.B.E.

Swaziland Scientific and Historical Society: P.O.B. 857, Mbabane.

RESEARCH INSTITUTES

Lowveld Experiment Station: P.O.B. 53, Big Bend; f. 1964; agricultural research, dryland crops agronomy, cotton breeding, cotton entomology, horticulture; Chief Officers J. S. WATSON, R. O. S. CLARKE, K. D. SHEPHERD.

Geological Survey and Mines Department: P.O.B. 9, Mbabane; f. 1944; activities include the mapping of the territory (published at a scale of 1: 25,000 and 1: 50,000), the investigation of mineral ocurrences by prospecting, detailed mapping and diamond drilling, mine and quarry inspections, control of explosives and prospecting; 13 mems.; small library; Dir. D. R. DE VLETTER; Senior Geologist A. S. DHLAMINI; publs. *Annual Reports*†, *Bulletins*†.

Malkerns Research Station: P.O.B. 4, Malkerns; f. 1959; general research on crops, pastures and forestry; 13 research sections; library of 4,000 vols.; Chief Research Officer J. S. WATSON, B.SC.

Mpisi Cattle Breeding Experimental Station: Mpisi; to improve indigenous Nguni cattle; to provide multiplication studs of Brahman, Simmentaler and Friesland cattle for beef, milk and cross breeding; Dir. R. A. JOHN; Man. I. A. MORLEY HEWITT.

Swaziland Sugar Association: P.O.B. 131, Big Bend; Agronomist/Extension Officer G. J. F. JAMES.

LIBRARIES AND ARCHIVES

Swaziland National Archives: P.O.B. 946, Mbabane; f. 1970; government records from 1880s to the present; reference library of *c.* 3,000 vols.; collection of historical photographs, newspapers, maps, coins, stamps; Dir. J. D. C. DREW, M.A.

Swaziland National Library Service: P.O.B. 652 and Private Bag, Manzini; f. 1971; operates a public library service throughout the country with branch libraries at Manzini, Nhlangano, Siteki, Hlatikulu, Mhlume, Pigg's Peak, Mankayane, Big Bend, Bhunya, Tshaneni and school libraries at secondary schools; there is also a mobile library service to Sidvokodvo, Nqwenya, Ezulwini and Malkerns; 50,000 vols., 138 periodicals; Dir. J. MDZINISO.

MUSEUM

Swaziland National Museum: P.O.B. 100, Lobamba; f. 1972, under the patronage of the Swaziland National Trust Commission; museum with extra-mural functions, giving information about Swazi culture as well as other countries; reference library; Curator THOKO T. GININDZA, M.A.; publs. *Yearbook, Quarterly Reports.*

UNIVERSITY

UNIVERSITY COLLEGE OF SWAZILAND

PRIVATE BAG, KWALUSENI

Telephone: Manzini 2864/5/6.

Founded 1964 as part of University of Botswana, Lesotho and Swaziland, present name 1976.

Private control; Language of instruction: English; Academic year: August to May.

Chancellor: H.M. King SOBHUZA II of Swaziland.

Rector: Prof. S. M. GUMA, M.A., D.L.H. ET PHIL.

Registrar: E. S. CRUSH, M.A.

Librarian: A. W. Z. KUZWAYO, B.A.

Number of teachers: 79.

Number of students: 556.

Publications: *Swaziland National Bibliography*† (annually), *Directory of Swaziland Libraries*† (irregular).

DEANS:

Faculty of Agriculture: Prof. R. W. BELL, B.SC.

Faculty of Education: G. M. MPATI, B.SC., B.ED.

Faculty of Humanities: R. T. ZWINOIRA, M.A.

Faculty of Professional Studies: A. J. C. DANIEL, M.A., PH.D.

Faculty of Science: L. P. MAKHUBU, M.SC., PH.D.

PROFESSORS:

Faculty of Agriculture:

BELL, R. W., B.SC., Crop Husbandry
MCARTHUR, A. J. G., M.AGR.SC., PH.D., Animal Husbandry
RATHORE, A., M.SC., PH.D., Animal Husbandry

Faculty of Education:

WANDIRA, A., M.A.

Faculty of Professional Studies:

PAIN, J. H., B.A., LL.B., Law

Faculty of Science:

BOYES, J. W., M.SC., PH.D., Biology
WARD, A. H., PH.D., F.INST.P., M.I.E.E., Physics

SWEDEN

Population 8,236,000

FOUNDATION

THE NOBEL FOUNDATION

Nobelstiftelsen (*The Nobel Foundation*): Nobel House, Sturegatan 14, 114 36 Stockholm; was established in 1900 in pursuance of the provisions of the will of Alfred Nobel (1833–96), by which the whole of his fortune (more than 30 million Kronor) was bequeathed to a fund, the interest of which should be annually paid out to those who during the preceding year "have conferred the greatest benefit on mankind." The interest is divided into five equal parts, to be allotted as follows: "One part to the person who shall have made the most important discovery or invention in the domain of *physics*; one part to the person who shall have made the most important *chemical* discovery or improvement; one part to the person who shall have made the most important discovery in the domain of *physiology* or *medicine*; one part to the person who shall have produced in the field of *literature* the most distinguished work of an idealistic tendency; and one part to the person who shall have done most to promote the *fraternity of nations*, the abolition or diminution of standing armies, and the formation and propagation of a Peace Congress."

The funds of the Foundation are administered by a Board: Prof. Sune Bergström (Chair.), T. Browaldh (Deputy Chair.), Stig Ramel (Exec. Dir.), C. G. Bernhard, L.-E. Thunholm, K. R. Gierow; Deputies A. Magneli, B. Uvnäs.

Prizes are distributed annually (for the first time in 1901) on the festival day of the Foundation, i.e. Dec. 10th, and are awarded by the following:

Physics: The Royal Swedish Academy of Sciences.

Chemistry: The Royal Swedish Academy of Sciences.

Medicine: The Karolinska Institutet.

Literature: The Swedish Academy.

Peace: The Norwegian Nobel Committee.

Economics: The Royal Swedish Academy of Sciences (prize money endowed by the Bank of Sweden).

The advisory body concerned with symposia and other special activities is The Nobel Symposium Committee: Chair. Stig Ramel (Exec. Dir. of the Foundation); mems. Prof. Lamek Hulthén (Chair. Cttee. for Physics), Prof. Stig Claesson (Chemistry), Prof. Bengt Gustafsson (Sec. Cttee. for Medicine), Lars Gyllensten (Perm. Sec. of Swedish Acad.), Jakob Sverdrup (Dir. Norwegian Nobel Inst.), Erik Lundberg (Chair. Cttee. for Economics), Nils-Eric Svensson (Exec. Dir. Bank of Sweden Tercentenary Foundation).

Publs. *Les Prix Nobel* (annual), *Nobelstiftelsens Kalender* (biennial), *Code of Statutes*, *Nobel Lectures*, *Publications de l'Institut Nobel Norvégien*.

ACADEMIES

Svenska Akademien (*Swedish Academy*): Källargränd 4, Börshuset, S-111 29 Stockholm; f. by Gustavus III in 1786 on the model of the French Academy; the Academy annually awards the Nobel Prize in Literature; Pres. changed every six months; there are eighteen members; publs. *Svenska Akademiens Handlingar* (annually) and a dictionary of the Swedish language.

Permanent Secretary: Dr. Karl Ragnar Gierow.

Members:

Rudholm, Sten.
Segerstedt, Torgny
Ståhle, Carl Ivar.
Forssell, Lars.
Olsson, Henry.
Sundman, Per Olof
Gierow, Karl Ragnar.
Sjöstrand, Östen
Johannisson, Ture.
Lönnroth, Erik.
Linde, Ulf.
Lindroth, Sten.
Österling, Anders.
Gyllensten, Lars.
Ekman, Kerstin.
Wessén, Elias.
Edfelt, Johannes.
Lundkvist, Artur.

Secretary of the Nobel Committee: Anders Ryberg.

Kungl. Svenska Vetenskapsakademien (*Royal Swedish Academy of Sciences*): S-104 05 Stockholm; f. 1739 by a society among whose members was Carl Linnaeus, for the promotion of mathematics and natural sciences; sponsors eight scientific societies; awards the Nobel prizes for physics, chemistry and economics; *c.* 220 mems., 128 foreign corresps.; Pres. Frans E. Wickman; Sec.-Gen. Carl Gustaf Bernhard; publs. *Arkiv för matematik*, *Physica Scripta*, *Chemica Scripta*, *Zoologica Scripta*, *AMBIO a journal of the human environment*, *Documenta*, etc.; library: *see* Libraries.

Kungl. Vitterhets Historie och Antikvitets Akademien (*Royal Academy of Letters, History and Antiquities*): Villagatan 3, 114 32 Stockholm; f. 1753 to promote the study of the humanities, history and archaeology; 104 Swedish, 42 foreign mems.; Pres. Prof. Torgny Säve-Söderbergh; Sec. Prof. Örjan Lindberger; publs. *Fornvännen* (journal), *Handlingar* (memoirs), *Arkiv* (archives), *Årsbok* (yearbook), monographs; library and archives: *see* under Libraries.

Kungl. Skogs- och Lantbruksakademien (*Royal Swedish Academy of Agriculture and Forestry*): Drottninggatan 95B, Box 6806, 113 86 Stockholm; f. 1811 to apply science to the development and improvement of agriculture and forestry; Pres. Bengt Lyberg; Perm. Sec. Prof. Olle Johansson; 15 hon., 180 working mems., 75 foreign mems.; 70,000 vols. in library; publs. *Kungl. Skogs- och Lantbruksakedemiens Tidskrift* (6 a year), *Acta Agriculturae Scandinavica* (4 a year).

Kungl. Akademien för de fria Konsterna (*Royal Academy of Fine Arts*): Fredsgatan 12, Box 16317, 103 26 Stockholm 16; f. 1735 to promote the development of painting, sculpture, architecture and allied arts; 71 mems., 12 hon. mems.; Pres. Carl Nyrén; Vice-Pres. Ake Pallarp; Sec. Christian Laine; publ. *Meddelanden från Kungl. Akademien för de fria Konsterna* (yearly).

Kungl. Musikaliska Akademien (*Royal Academy of Music*): Stockholm; f. 1771 for the promotion and protection of the art and science of music; approx. 170 mems.; library; Dir. Hans Nordmark; Sec. Hans Åstrand; publ. *Kungl. Musikaliska Akademiens Årsskrift* (year book), etc.

Ingenjörsvetenskapsakademien (*Royal Swedish Academy of Engineering Sciences*): Box 5073, S-102 42 Stockholm; f. 1919 to promote engineering sciences through the establishment of new research facilities; acts as a clearing house for scientific information; establishes contacts with foreign research organizations by means of lectures and conferences, trade research organizations and research agreements with East European countries; 439 Swedish mems. (71 foreign or corresponding mems.); Dir. Prof. Gunnar Hambraeus; publs. *Meddelanden, Rapporter* (irregular bulletins).

Kungl. Gustav Adolfs Akademien (*Royal Gustavus Adolphus Academy*): 2 Klostergatan, Uppsala; f. 1932; 180 mems. (including honorary); Pres. Prof. Gösta Berg; Vice-Pres. Prof. Valter Jansson; Sec. Prof. Folke Hedblom; publs. *Saga och Sed* (annually), *Acta, Arv. Journal of Scandinavian Folklore, Ethnologia Scandinavica, Namn och Bygd.*

LEARNED SOCIETIES

General

Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälle (*Royal Society of Arts and Sciences*): Universitetsbiblioteket, P.O.B. 5096, 402 22 Göteborg 5; f. 1778; Sec. Prof. E. J. Holmberg; publ. *Acta Regiae Societatis Scientiarum et Litterarum Gothoburgensis*† (monographs), *Årsbok*; 151 Swedish and 57 foreign mems.

Architecture and Town Planning

Svenska Arkitekters Riksforbund (*National Asscn. of Swedish Architects*): Odengatan 3, 114 24 Stockholm; f. 1936; objects are to maintain the people's right to a good environment by promoting good architecture and planning, and by maintaining the importance of qualified work; 3,100 mems.; Chair. Nils Carlson; Sec.-Gen. Mats Beckman; publ. *Arkitekttidningen* (fortnightly).

Svenska Arkitektföreningen (*Swedish Architects' Society*): c/o SAR, Odengat. 3, 114 24 Stockholm; f. 1888; 400 mems.; Chair. Mats Edblom; Sec. Erik Uldall; publs. *Byggmästaren, Arkitektur* (both monthly).

The Arts

Föreningen Svensk Form (*Swedish Society of Industrial Design*): Nybrogatan 7, Box 7404, S-103 91 Stockholm; f. 1845; 7,000 mems.; Pres. Prof. Sven Thiberg; Man.-Dir. Lennart Lindkvist; publ. *Form* (8 a year).

Föreningen Svenska Tonsättare (*Society of Swedish Composers*): P.O.B. 1539, Tegnérlunden 3, S-111 85 Stockholm; f. 1918; 104 mems.

Fylkingen (*Society of Contemporary Music*): Rindögatan 27, Stockholm.

Musikaliska Konstföreningen (*Musical Art Association*): Blasieholmstorg 8, S-111 48, Stockholm; f. 1859 for the publication of Swedish music; Chair. I. Milveden; Sec. G. Percy.

Statesu kulturråd (*National Council for Cultural Affairs*): Fack, 103 40 Stockholm; f. 1974 as advisory and investigatory body concerning state grants for cultural purposes; covers theatre, dance, music, literature, public libraries, art, museums and exhibitions.

Svenska samfundet för musikforskning (*Swedish Society for Musicology*): Strandvägen 82, 115 27 Stockholm; f. 1919; approx. 550 mems.; Pres. Prof. Ingmar Bengtsson, Uppsala University; Sec. Fil. kand. Erik Kjellberg; publs. *Svensk Tidskrift för Musikforskning* (2 a year), *Monumenta Musicae Svecicae, Musik i Sverige* (jointly with Svenskt musikhistoriskt arkiv).

Sveriges Allmänna Konstförening (*Swedish General Art Assen.*): Stora Nygatan 5, P.O.B. 2151, 103 14 Stockholm 2; f. 1832; approx. 21,000 mems.; Pres. Sten Rudholm; Dir. Göran Nilsson; Sec. Gunnar Dalgren; publ. *Sveriges Allmänna Konstforenings årspublikation*† (Swedish General Art Association's annual publication).

Bibliography and Library Science

Forskningsbiblioteksrådet (*Swedish Council of Research Libraries*): Odengatan 59, Box 6404, S-113 82 Stockholm; f. 1965; for co-operation and discussion of questions concerning Swedish research libraries; Chair. L. Tynell; Sec. Karin Melin-Fravolini; publ. *Forskningsbiblioteksrådets skriftserie, FBR-aktuellt.*

Statens råd för vetenskaplig information och dokumentation (*Swedish Council for Scientific Information and Documentation*): Fack, S-100 72 Stockholm 43; f.1968; handles international co-operation in the field of Information and Documentation; gives financial support to documentation systems and research projects in Sweden; Chair. Dr. H. Håkansson; Sec. Dr. F. Backlund; publ. *SINFDOK-nytt.*

Svenska Bibliotekariesamfundet (*Swedish Assen. of University and Research Libraries*): c/o Birgit Nilsson, Sveriges lantbruksuniversitets bibliotek, Ultunabiblioteket, S-750 07 Uppsala; f. 1921; 625 mems.; Pres. Lars-Erik Sanner; Sec. Birgit Nilsson; publ. *Meddelar*†.

Economics, Law and Politics

Centre for the Study of International Relations: Döbelnsgatan 81, Box 19112, S-104 32 Stockholm 19; f. 1971; studies social sciences, international politics, law and economy; independent of any political party; organizes lectures and conferences, research seminars; library; Chair. H.R.H. Count Sigvard Bernadotte; Pres. Adv. Cläes Palme; Vice-Pres. and Dir. Dr. François H. C. Hsieh; Sec.-Gen. Prof. Dr. Jacob W. F. Sundberg; publ. *Review.*

International Law Association: Swedish Branch; f. 1922; Pres. Judge Sture Petrén, Claës Palme, Council: Nils Berglund, Hans Blix, Hilding Eek, Jan Hellner, Lars Hjerner, Emanuel Högberg, Love Kellberg, Gunnar Lagergren, Alvar Lindencrona, Håkan Nial, Sten Rudholm, G. von Sydow, Gillis Wetter; Hon. Sec. and Treas. Klas G. Kleberg, Wahrendorffsgatan 1, S-11147 Stockholm.

Nationalekonomiska Föreningen (*National Economics Society*): Box 16067, 103 22 Stockholm 16; f. 1877; study of economics; about 1,200 mems.; Chair. Lars Werin; Sec. Jan Herin; publ. *Ekonomisk Debatt* (8 a year).

Utrikespolitiska Institutet (*The Swedish Institute of International Affairs*): Wenner Gren Center, 166 Sveavägen, 113 46 Stockholm; f. 1938; object: to promote the studies of international affairs; Pres. Prof. Kurt Samuelsson; Man.-Dir. Dr. Åke Sparring; publs. *Världspolitikens dagsfragor*, *Forskningsrapport* (Swedish Studies in International Relations), *Archives*, *Internationella studier*, *Kalendarium*.

Education

Svenska Institutet (*The Swedish Institute*): Box 7434, S-103 91 Stockholm; f. 1945; object: to promote cultural, scientific and educational exchanges with countries abroad and spread knowledge of Swedish life by means of information work; Pres. Hjalmar Mehr; Dir. Göran Löfdahl.

History, Geography and Archaeology

Kartografiska Sällskapet (*The Swedish Cartographic Society*): c/o Statens Lantmäteriverk, 801 12 Gävle; f. 1908; 370 mems.; Pres. Sven-Eric Lindqvist; Sec. Lars Ottoson; publ. *Sveriges Kartläggning* (mapping of Sweden).

Svenska Museiföreningen (*Swedish Museums Society*): Nordiska Museet, 115 21 Stockholm; f. 1906; society for Swedish museums and members of staff; debates, etc., concerning scientific and practical problems of museums; 800 mems. and 65 institutional mems.; Pres. Kjell Engström; Sec. Annette Rosengren; publ. *Svenska Museer* (quarterly).

Svenska Sällskapet för Antropologi och Geografi (*Swedish Society for Anthropology and Geography*): Stockholms Universitet, Stockholm; f. 1880; aims: to forward the development of anthropology and geography in Sweden, to communicate with foreign societies with the same objectives, and to support investigations into anthropology and geography; 1,100 mems.; library of 10,000 vols.; Pres. Staffan Helmfrid; Sec. Olof Hedbom; publs. *Geografiska Annaler*, *Ymer*, *Atlas of Sweden*.

International Cultural Institutes

American Center: Sveavägen 118, S-113 50 Stockholm; library of 7,500 vols.; reference service; specialized programmes about the U.S.A.

British Centre: Kommendörsgatan 30, 114 48 Stockholm Ö; f. 1954; object: to spread knowledge of the English language and Britain; employs 90 British teachers of English in provincial towns throughout the country; Controller-Gen. Anne-Marie Lundberg.

British Council: c/o The British Embassy, Skarpögatan 6, S-115 27 Stockholm; f. 1941; Rep. R. Adlam.

Centre Français: Grevturegatan 9, 114 46 Stockholm; f. 1947; object: to further knowledge of the French language in Sweden; employs 30 French teachers in provincial towns; Dir. Marcel Bouvier.

Dag Hammarskjöld Foundation: Dag Hammarskjöld Centre, Ovre Slottsgatan 2, 752 20 Uppsala; f. 1962; set up to organize seminars and conferences for nationals of developing countries on the economic and social problems of these countries; Exec. Dir. Sven Hamrell; publ. *Development Dialogue* (2 a year).

Deutsches Zentrum: Nordenskiöldsgaten 20, Gothenburg-SV; Dir. Dr. A. Nägel.

Goethe Institut Stockholm, Kulturinstitut der Bundesrepublik Deutschland: Linnégatan 76, 115 23 Stockholm; Dir. G. Coenen.

Ibero-American Institute: University of Gothenburg, Lundgrensgatan 7, 412 56 Gothenburg; f. 1939; information, research, courses; library of 40,000 vols.; Dir. Dr. Matilde Goulard-Westberg; publ. regular cultural series, monographs†.

Institut Français: Grevgatan 36-38, 114 53 Stockholm; f. 1937 to encourage cultural relations between France and Sweden; library of 18,000 vols.; Dir. Jean-Pierre Mousson-Lestang.

Istituto Italiano di Cultura "C. M. Lerici": Gärdesgatan 14, 115 27 Stockholm; f. 1941; 800 mems.; library of 11,000 books; Dir. Profa. Lucia Pallavicini; publ. *Kulturella Nyheter* (quarterly).

Sverige-Amerika Stiftelsen (*The Sweden-America Foundation*): Grevturegatan 14, 114 46 Stockholm; f. 1919 to increase understanding between Sweden and the United States and, since 1950, Canada; awards fellowships for Swedes to study in the United States and Canada and advises students from those countries about studies in Sweden; Chair. Axel Iveroth; Dir. Suzanne Bonnier; publs. *Resor och Studier i U.S.A.*, *Travel, Study and Research in Sweden*.

Language and Literature

Pennklubben (*Swedish PEN Centre*): Norstedt och Söner, Tryckerig 2, Stockholm 2; f. 1922; 200 mems.; Pres. Per Wästberg; Sec. Thomas von Vegesack.

Samfundet de Nio (*Nine Swedish Authors' Society*): c/o Anders Öhman, Smålandsgatan 14, 111 46 Stockholm; f. 1913; Pres. Astrid Lindgren (novelist); Sec. Anders R. Öhman (lawyer); mems. Knut Ahnlund (professor), Karl Vennberg (poet and essayist), Inge Jonsson (professor), Kerstin Ekman, Ulla Isaksson, Birgitta Trotzig, Gunnel Vallqvist (novelists); publ. *Svensk Litteraturtidskrift* (quarterly).

Sveriges Författarförbund (*Swedish Writers' Union*): Box 5252, Linnégatan 10, 102 45 Stockholm; f. 1893 to protect the intellectual and economic interests of authors and translators; 1,553 mems.; Pres. Jan Gehlin; Sec. Sonja Thunborg; publ. *Författaren*.

Medicine

Scandinavian Society of Forensic Odontology: Dept. of Forensic Odontology, Faculty of Odontology, Fack, S-141 04 Huddinge; f. 1961; 40 mems.; to expand co-operation with the forensic, dental and medical world and with national and international police and other agencies; Chair. Dr. Gunnar Johanson; Sec. Dr. Tore Solheim.

Socialstyrelsen (*National Board of Health and Welfare*): S-106 30 Stockholm; public health, medical and social services administration; f. 1663; Dir.-Gen. (vacant); publs. *Allmän Hälso-och Sjukvård* (Official Statistics: Public Health in Sweden), annual report on the state of public health, *Cancer Incidence in Sweden* (Report of the Board's Cancer Registry), *Socialnytt* (monthly bulletin), etc.

Svenska Läkaresällskapet (*Swedish Society of Medical Sciences*): Box 558, S-101 27 Stockholm; f. 1807; c. 9,500 mems.; Pres. Prof. Emer. Olle Olsson, M.D.; Sec. Olof Edhag, M.D.; publs. *Hygiea*†, *Svenska Läkaresällskapets Handlingar*†.

Natural Sciences

Geologiska Föreningen (*Geological Society*): 104 05 Stockholm 50; f. 1871; 850 mems.; Pres. Anders Martinsson; Sec. Fil. Lic. R. Skogland; Editor Fil. Dr. L. K Königsson; publ. *Geologiska Foreningens i Stockholm Förhandlingar* (*GFF*) (quarterly).

Kungl. Fysiografiska Sällskapet i Lund (*Royal Physiographical Society of Lund*): Geologiska institutionen, Sölvegatan 13, 223 62 Lund; f. 1772; 255 mems., 81 foreign correspondents; Pres. Prof. Erik Dahl; Sec. Prof. Gerhard Regnéll; publ. *Fysiografiska Sällskapets Årsbok* (annually).

Kungl. Vetenskaps-Societeten (*Royal Society of Sciences at Uppsala*): St. Larsgatan 1, S-752 20 Uppsala; f. 1710; 130 mems., 100 foreign corresps.; Pres. Prof. Gunnar

Ågren; Sec. Prof. Ake Wallenquist; Libr. Fil. Kand. Gun Karlberg; publs. *Nova Acta Regiae Societatis Scientiarum Upsaliensis*†, *Kungl. Vetenskaps Societetens Årsbok* (annually).

Lunds Matematiska Sällskap (*Lund Mathematical Society*): Matematiska Institutionen, Lund; f. 1923; 106 mems.; Sec. and Treas. Peik Gustafsson.

Matematiska Föreningen, Universitetet, Uppsala (*Mathematical Society*): Department of Mathematics, Uppsala University, P.O.B. 256, Uppsala; f. 1853; 30 mems.; Sec. Anders Vretblad.

Statistiska Föreningen (*Statistical Society*): Statistiska centralbyrån, Fack, 102 50 Stockholm 27; f. 1901; forms a link between practising statisticians and laymen interested in statistics, and by means of lectures, discussions and reports contributes to the analysis of problems in this field of science; 450 mems.; Pres. Klas Wallberg; Sec. Bertil Gustafsson.

Svenska fysikersamfundet (*Swedish Physical Society*): Dept. of Physics, Lund Institute of Technology, P.O.B. 725, S-220 07 Lund; f. 1920; 2,300 mems.; Chair. Prof. Lennart Minnhagen; Sec. Dr. Willy Persson; publ. *Kosmos*.

Svenska Geofysiska Föreningen (*Swedish Geophysical Society*): The Royal Institute of Technology, Dept. of Land Improvement and Drainage, Fack, 100 44 Stockholm 70; f. 1920; 230 mems.; Pres. Prof. Yngve Gustafsson; Sec. Dr. Ingemar Larsson; publ. *Tellus*.

Svenska Naturskyddsföreningen (*The Swedish Society for the Conservation of Nature*): Kungsholms strand 125, S-11234 Stockholm; f. 1909; mem. of IUCN; 60,000 mems.; Exec. Dir. Mats Segnestam; Sec. Bo Olsson; publs. *Sveriges Natur* (bi-monthly) and a yearbook.

The Wenner-Gren Center Foundation for Scientific Research—WGC: Sveavägen 166, S-113 46 Stockholm; f. 1962; residence and meeting place for foreign and visiting scientists; Pres. of the Board Prof. Hugo Theorell, n.p.; Sec. Prof. Yngve Zotterman; publs. *The Wenner-Gren Center International Symposium Series*, *Wenner-Gren Center Svenska Symposier*.

Technology

Svenska Konsulterande Ingenjörers Förening (*Swedish Association of Consulting Engineers*): Grev Turegatan 29, 114 38 Stockholm; f. 1910; 750 mems.; Pres. Sven-Erik Frick Meijer; Man. Dir. Ragnar Widegren.

Sveriges Civilingenjörsförbund CF-STF (*The Swedish Association of Graduate Engineers*): Malmskillnadsgatan 48A, Box 1419, S-111 84 Stockholm; f. 1861 present name 1974; 27,000 mems.; Pres. Jan Olof Carlsson; Man. Dir. Alfred Nettelbrandt; publs. *Civilingenjören* (6 a year), *Teknisk Tidskrift* (weekly), *Ny Teknik* (weekly).

RESEARCH INSTITUTES

(*see* also under Universities)

Agriculture and Veterinary Science

Jordbrukstekniska Institutet (*Swedish Institute of Agricultural Engineering*): Ultuna, 750 07 Uppsala 7; f. 1945; library of 2,800 vols.; Dir. Sven-Uno Skarp, m.sc.agr.; publ. *Meddelanden*† (bulletins on the various investigations) at irregular intervals.

Statens råd för skogs- och jordbruksforskning (*The Swedish Council for Forestry and Agricultural Research*): Drottninggatan 95B, Box 6806, 113 86 Stockholm; f. 1945 as the Swedish Agricultural Research Council, re-established 1967; to promote scientific research in agriculture and forestry; 21 mems.; Pres. Governor Ragnar Edenman; Sec. Prof. Olle Johansson.

Statens veterinärmedicinska anstalt (*National Veterinary Institute*): 104 05 Stockholm; f. 1911 (reorganized 1944 and 1965); research, diagnostic work, preparation of sera and vaccines, consultative work concerning control and prophylaxis of animal diseases; consists of seven departments: Bacteriological, Virological, Pathological, Parasitological, Chemical, Consultative and Production as well as a government Epizootiologist and an Economic Division; library of 10,000 vols.; Dir. H.-J. Hansen, v.m.d.; Admin. Dir. L. Ehrengren; Librarian G. Martenius; 55 scientific staff, 210 technicians and other employees; publ. *Collected Papers of the National Veterinary Institute*† (issued bi-annually).

Svenska Träforskningsinstitutet (*Swedish Forest Products Research Laboratory*): 53-71 Drottning Kristinas väg, S-114 86 Stockholm; f. 1944; carries out research on forest products, their development and use; trains scientists and engineers; approx. 350 mems.; depts. for chemistry, physics, wood products, fibre building board, pulp technology, paper technology, general analysis; Man. Dir. Prof. Lennart Stockman; publ. *Meddelanden från Svenska Träforskningsinstitutet.*

Archaeology

Riksantikvarieämbetets Gotlandsundersökningar (*Gotland Research Institute of the Central Office of Antiquities*): Strandgatan 10, S-621 01 Visby 1; f. 1970; anthropology, particularly prehistory and the middle ages; experimental archaeology and technical development; Dir. Dr. Erik Nylén; publs. *Annual Proceedings*†, *Research Reports*†.

Architecture and Town Planning

Nordiska Institutet för samhällsplanering (*Nordic Institute for Studies in Urban and Regional Planning*): Skeppsholmen, S-111 49 Stockholm; f. 1968; mem. countries Denmark, Finland, Iceland, Norway, Sweden; provides an advanced course for planners and undertakes research and research education; Chair. of Board Lennart Holm; Dir. Per Andersson; publs. *Årsrapport*† (annual), *Rapporter*†, *Grupparbeten*†.

Economics, Law and Politics

Ekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Economic Research Institute at the Stockholm School of Economics*): *see* under Handelshögskolan i Stockholm.

Industriens Utredningsinstitut (*The Industrial Institute for Economic and Social Research*): Grevgatan 34, S-114 53 Stockholm; f. 1939; research into economic and social conditions relevant to Swedish industrial development; 20 research fellows; Dir. Gunnar Eliasson, d.econ.; publs. books, research reports, working papers; English summaries of most publications available.

Latinamerika-institutet (*Institute of Latin American Studies*): Odengatan 61 Fack, 102 30 Stockholm 6; f. 1951, reorganized 1969 and 1977; library of 28,000 vols.; social science research, information, seminars, courses; Dir. Weine Karlsson; Librarian Britt

Johansson; publs. monographs†, *Latinoamericana*†, documents.

Nordiska samfundet för Latinamerika-forskning (*Scandinavian Association for Research on Latin America*): c/o Latinamerika-institutet, Postfack, 102 30 Stockholm 6; to promote research, publications, conferences and seminars on Latin America in the Nordic countries; publs. *Ibero-Americana*†, *Scandinavian Studies on Latin America*†.

Nordiska Afrikainstitutet (*The Scandinavian Institute of African Studies*): P.O.B. 2126, S-750 02 Uppsala; f. 1962; documentation and research centre for current African affairs, library, publication work, lectures, seminars and courses; 12 mems.; library of 20,000 vols., 1,300 periodicals; Dir. Carl Gösta Widstrand; Librarian Mrs. B. Fahlander; Secs. K. E. Ericson, Thomas Ridaeus; publs. *Annual seminar Proceedings*†, *Research Reports*†, *Africana*†, *Newsletter*†.

Medicine

Statens Livsmedelsverk (*The National Food Administration*): S-751 26 Uppsala; f. 1972; highest supervising agency in Sweden for foodstuffs and handling of foodstuffs in accordance with the Food Act; 230 mems.; library of about 8,000 vols.; Dir.-Gen. A. Engström; publs. *Vår föda*† (research report), *Livsmedelsverkets forfattningar*† (The National Food Administration's Announcements), various papers in scientific journals in the fields of Food Hygiene and Human Nutrition.

Statens medicinska forskningsråd (*Swedish Medical Research Council*): Sveavägen 166, 113 46 Stockholm; f. 1945; the Medical Research Council was established under the Ministry of Education and Public Instruction to administer funds provided annually by the Swedish Parliament for the promotion of scientific research in medicine; 10 mems.; Chair. B. Petri, Governor of the Administrative District of Kristianstad; Sec. Prof. Henry Danielsson, m.d.

Natural Science

Forskningsinstitutet för Atomfysik (*Research Institute for Physics*): Roslagsvägen 100, S-104 05 Stockholm 50; f. 1964; research in atomic and nuclear physics; accelerator, electronics and nuclear chemistry divisions; nuclear theory and computer sections; library of 10,000 vols.; Dir. Prof. Ingmar Bergström; publs. *Annual Report*.

Mittag-Lefflers Matematiska Stiftelse (*Mittag-Leffler Institute*): Auravägen 17, S-182 62 Djursholm; f. 1916; research institute to promote pure mathematics; belongs to Swedish Academy of Science; about 20 mems.; library of 40,000 vols.; Dir. Lennart Carleson; publs. *Acta Mathematica, Arkiv för Matematik*.

Naturvetenskapliga forskningsrådet (*Swedish Natural Science Research Council*): Box 23136, S-104 35 Stockholm; f. 1977 by amalgamation of *Statens naturvetenskapliga forskningsråd* (f. 1946) and *Statens råd för atomforskning* (f. 1945); objects are to promote basic research in natural sciences in Sweden and internationally through CERN, EMBC, EMBL, ESO, NORDITA and EISCAT; offers grants to scientists and scientific institutions; 11 mems.; Pres. Gov. Mats Lemne; Sec. Prof. Ingvar Lindqvist; publs. *Svensk naturvetenskap* (yearbook), *Annual Report*.

Statistiska Centralbyran (*National Central Bureau of Statistics*): Karlavägen 100, Stockholm; postal address: Fack, S-102 50 Stockholm; f. 1858; Dir.-Gen. Dr. Ingvar Ohlsson; seven departments: three are subject-matter depts. for special statistical branches, and four functional depts.; publs. include *Statistical Abstract of Sweden, Statistical Review, Monthly Digest of Swedish Statistics*; library: *see* Libraries.

Stockholms Observatorium (*Stockholm Observatory*): S-133 00 Saltsjöbaden; f. 1753; Dir. Prof. Aina Elvius.

Sveriges Geologiska Undersökning (*Geological Survey of Sweden*): S-751 28 Uppsala; f. 1858; Government institute for scientific and practical research on the geology of Sweden; library with 2,200 metres vols.; Dir. Gunnar Ekevärn; publs. geological maps with details†, memoirs† and *Årsbok*† (yearbook).

Social Sciences

Humanistisk-samhällsvetenskapliga forskningsrådet (*Swedish Council for Research in the Humanities and Social Sciences*): Sveavägen 166, S-113 46 Stockholm; f. 1977 as a fusion of Swedish Humanistic Research Council and Swedish Council for Social Science Research; 11 mems.; Chair. Prof. Erik Lönnroth; Sec. Prof. Pär-Erik Back.

Technology

Cement och Betonginstitutet (*Swedish Cement and Concrete Research Institute*): Fack S-100 44 Stockholm 70; f. 1941; conducts research into engineering materials based on cement and concrete and allied materials; library of 7,000 vols.; Dir. Prof. Sven G. Bergström; Librarian Mrs. R. Adolfsson; publs. *Handlingar, Meddelanden, Utredningar, Särtryck*.

Flygtekniska försöksanstalten, FFA. (*The Aeronautical Research Institute of Sweden*): Ranhammarsvägen 12, Box 11021, S-161 11 Bromma; f. 1940; 260 mems.; Dir. Åke Sundén; Heads of Aerodynamics Dept. G. Drougge, S. Nyberg; Chief of Structures Dept. Å. Samuelson; Chief of Physics Dept. K. Fristedt; Chief of Engineering Dept. C. Nelander; Admin. Deputy B. Sedin; Librarian Mrs. B. Berg; publ. *FFA Meddelanden*† (Reports).

Institutet för metallforskning (*Swedish Institute for Metal Research*): Drottning Kristinas väg 48, S-11428 Stockholm; f. 1919, reorganized 1943 and 1962; research activities include the use of methods for chemical analyses of steels and other metallic materials, examination of the relationship between microstructures and their mechanical properties and of the influence of non-metallic inclusions on the mechanical and chemical properties of metals; equipment in use includes electron-microscopes up to 1000 kV, a scanning electron microscope image analyser, X-ray diffraction equipment, three MTS universal hydraulic testing machines, a creep laboratory, X-ray fluorescence spectrometer, automated electron probe microanalyser, atomic absorption instruments and furnaces for study of solidification phenomena; 2,000 monographs and 120 periodicals; Pres. Prof. Rune Lagneborg; publs. *Annual Report* and *c.* 75 reports which appear in foreign journals throughout the year.

Statens Geotekniska Institut (*Swedish Geotechnical Institute*): Fack, S-581 01 Linköping; f. 1944; staff of 75; research, information and consulting work in soil mechanics and foundation engineering; computerized library retrieval system; Dir. L. Andréasson; publ. *Report*†.

Statens Provningsanstalt (*The National Authority for Testing, Inspection and Metrology*): P.O.B. 857, S-501 15 Borås; f. 1920 (Testing Institute of the Royal Institute of Technology, 1896–1920); object is to carry out, on behalf of government institutions and private firms, impartial expert tests of raw products and manufactured articles, to investigate and report on their mechanical, physical and chemical properties and their commercial utilization, to test precious metals and to inspect weights and measures; *c.* 500 mems.; library of *c.* 10,500 vols.; Dir.-Gen. Henric Bildt; publs. *Tekniska rapporter* (technical reports), *Provningsmetoder* (testing methods), *Föreskrifter och anvisningar, Godkännandelista*.

Statens råd för byggnadsforskning (*Swedish Council for Building Research*): St. Göransgatan 66, 112 30 Stockholm; f. 1960; aim is to promote and finance research in building and town planning; 15 mems.; Pres. Prof. Lennart Holm; Dir. Ingrid Årlin; publs. *Rapporter* (Reports), *Summaries, Synopses, Documents* and *Information sheets.*

Statens Skeppsprovningsanstalt (*Swedish State Shipbuilding Experimental Tank*): P.O.B. 24001, S-400 22 Göteborg 24; f. 1940; testing and research work; library of 2,150 vols.; Dir.-Gen. Dr. Hans Edstrand; publ. *Meddelanden fran Statens Skeppsprovningsanstalt*† (in English or English summary).

Styrelsen för teknisk utveckling (*National Swedish Board for Technical Development*): Liljeholmsvägen 32, Fack, S-100 72 Stockholm.

Stiftelsen Svensk Skeppsforskning (*The Swedish Ship Research Foundation*): Fack, S-402 70 Gothenburg; f. 1955; research on technological forecasting, ship operation, marine engineering, ship hydromechanics and ship structure; Pres. C.-E. Carlson; Dir. G. Kaudern.

Svenska Livsmedelsinstitutet—SIK (*Swedish Food Institute*): Fack, S-400 23 Gothenburg 16; f. 1946; technological and scientific research on processing, preservation and storage of food, its manufacturing, packaging, distribution and consumption; documentation; education; service to Swedish and foreign food industries; staff of 95; library of 20,000 vols.; Dir. Prof. Nils Bengtsson; publs. *SIK-Publikation, SIK-Rapport.*

Svenska Textilforskningsinstitutet (*Swedish Institute for Textile Research*): Fack, S-402 20 Gothenburg 5; f. 1943; technical and scientific research on textile products, materials and processes; library of 5,000 vols.; Dir. Prof. Joel Lindberg.

LIBRARIES AND ARCHIVES

PRINCIPAL PUBLIC LIBRARIES

Borås stadsbibliotek (*City Library and County Library of Älvsborgs län*): Box 856, S-501 15 Borås; f. 1860; 477,100 vols.; Chief Librarian Ingemar Kalén.

Eskilstuna stadsbibliotek (*City Library and County Library of Södermanlands län*): Kriebsensg. 4, 632 20 Eskilstuna; f. 1925; 504,080 vols.; Chief Librarian Gunnel Wortzelius.

Gävle stadsbibliotek (*City Library and County Library of Gävleborgs län*): S. Strandgatan 6, Box 801, 801 30 Gävle; f. 1907; 375,000 vols.; Chief Librarian Weste Westeson.

Göteborgs stadsbibliotek (*City Library and County Library of Göteborgs och Bohus län*): Götaplatsen, Gothenburg; f. 1861; 1,000,000 vols.; Chief Librarian Sigurd Möhlenbrock.

Halmstads stadsbibliotek (*City Library and County Library of Hallands län*): Fredsgatan 2, Halmstad; f. 1922; 370,600 vols.; Chief Librarian Inga Brita Sjögren.

Jämtlands läns bibliotek (*City Library of Östersund and County Library of Jämtlands län*): Rådhusgatan 25, 83100 Östersund; f. 1833; 380,000 vols.; Chief Librarian Sigrid Thomson.

Jönköpings stadsbibliotek (*City Library and County Library of Jönköpings län*): Slottsgatan 2, Jönköping; f. 1916; 524,000 vols.; Chief Librarian Gunvor Eriksson.

Kalmar stadsbibliotek (*City Library and County Library of Kalmar län*): Slottsvägen 1, Kalmar; f. 1922; 295,886 vols.; Chief Librarian Rune Arnling.

Landsbiblioteket i Växjö (*City and County Library, Kronobergs län*): Västra Esplanaden 7B, Växjö; f. 1954; 350,000 vols.; Chief Librarian Olle Wingborg.

Luleå stadsbibliotek (*City Library and County Library of Norrbottens län*): Kyrkogatan 15, 95100 Luleå; f. 1903; 220,000 vols.; special collection of Finnish Literature; Chief Librarian Eva Viirman.

Malmö stadsbibliotek (*City Library, County Library of Malmöhus län and Loan Centre for South Sweden*): Regementsgatan 3, 21142 Malmö; f. 1905; 1,050,109 vols.; Chief Librarian Bengt Holmström.

Norrköpings stadsbibliotek (*Norrköping City Library*): Box 2062, 600 08 Norrköping; f. 1913; 275,400 vols.

Örebro stadsbibliotek (*City Library and County Library of Örebro län*): Box 60, 701 02 Örebro; f. 1862; 610,000 vols.; Chief Librarian Eva Viirman.

Stifts- och landsbiblioteket i Linköping (*State County Library, Östergotlands län*): Box 3085, 580 03 Linköping 3; f. 1926; 670,000 vols.; Chief Librarian Thord Plaenge Jacobson.

Stifts- och landsbiblioteket i Skara (*State County and City Library of Skaraborgs län*): Biblioteksgatan, Skara; f. 1938; 250,000 vols.; Chief Librarian Arne Sträng.

Stockholms stadsbibliotek (*City Library of Stockholm*): Box 6502, 113 83 Stockholm; f. 1927; 1,696,000 vols.; Chief Librarian Ulf Dittmer; publ. *Katalog över nyförvärv* (annual).

Umeå kommuns bibliotek (*City Library and County Library of Västerbottens län*): Box 712, S-901 10 Umeå; f. 1903; 250,000 vols.; Chief Librarian Gustav Lundblad.

Uppsala stadsbibliotek (*City Library and County Library of Uppsala län*): Ö. Ågatan 19, 751 27 Uppsala; f. 1906, 596,357 vols.; Chief Librarian Estrid Larsson.

Västerås stadsbibliotek (*City and County Library of Västmanlands län*): Box 717, S-721 20 Västerås; f. 1952; 600,000 vols.; Chief Librarian Jan Nilsson.

OTHER LIBRARIES

Stockholm

Riksarkivet (*The National Record Office*): Fyrverkarbacken 13-17, Fack, 100 26 Stockholm 34; f. 1618; National Archivist Dr. Ake Kromnow; publ. *Meddelanden fran Svenska riksarkivet.*

Handelshögskolans Bibliotek (*Library of the Stockholm School of Economics*): Box 6501, S-113 83 Stockholm; f. 1909; 177,000 vols.; economic and administrative subjects; Librarian Birgitta Janson; publs. *Ekonomisk Dokumentation* (monthly), *List Econ.* (irregular).

Karolinska Institutets Bibliotek (*Karolinska Institute Library*): Fack, S-104 01 Stockholm; f. 1810; 210,000 vols., 195,000 theses, 875 MSS. on medicine; affiliated library at Huddinge Hospital, branch library at the Faculty of Odontology; Chief Librarian Thomas Tottie; publs. list of current periodicals, *MEDOK* (quarterly), *KIB-Rapport* (irregular).

Krigsarkivet (*Swedish Military Record Office*): Fack, S-104 50 Stockholm; f. 1805; documents and maps from military authorities and regiments; Chief Keeper Dr. Bertil Broomé.

Kungl. Biblioteket (*Royal Library*): Box 5039, S-102 41 Stockholm; f. early 17th century; 2 million vols.; acts as the National Library of Sweden with the most complete collection of Swedish printed books in the world; foreign holdings in humanities and social sciences; important collections of Old Swedish and Icelandic MSS.; special collections include incunabula, elzeviers, maps, portraits, heraldry, Japanese collection of A. E. Nordenskiöld; Dir. Dr. Lars Tynell; publs. *Accesionskatalog* (since 1886), listing foreign books acquired by Swedish research libraries (annual), *Svensk bokförteckning* (National Bibliography), *Acta*.

Kungl. Musikaliska akademiens bibliotek (*Library of the Royal Swedish Academy of Music*): Nybrokajen 11, 111 48 Stockholm; f. 1771; about 50,000 books on music, 300,000 scores of music, 22,500 MSS. and about 15,000 letters; the library is especially rich in 18th-century music; Chief Librarian Bo Lundgren; publs. *Urvalsförteckning över nyförvärv* (List of Acquisitions), *Publikationer utgivna av Kungl. Musikaliska akademiens bibliotek* (Publications of the Library of the Royal Swedish Academy of Music).

Kungl. Svenska Vetenskapsakademiens Bibliotek (*Library of the Royal Swedish Academy of Sciences*): S-104 05 Stockholm; f. 1739; 350,000 vols., 450,000 pamphlets, chiefly devoted to natural sciences, 5,000 MSS., including the valuable Bergius and Swedenborg collections; open to the public; Chief Librarian Dr. Wilhelm Odelberg.

Kungl. Tekniska Högskolans Bibliotek (*Royal Institute of Technology Library*): Valhallavägen 81, S-100 44 Stockholm 70; f. 1826; centre for computerized information and documentation services in science and technology; 10,000 metres shelving, 5,300 periodicals; Chief Librarian Stephan Schwarz; publs. *Students' Guide*†, *Curricula*†, *Catalogue of the Royal Institute of Technology*†, *List Tech* (list of foreign periodicals and serials in Swedish libraries in technological fields)†, Report series *Stockholm Papers in Library and Information Science*†.

Kungl. Vitterhets Historie och Antikvitets Akademien Bibliotek och Arkiv (*Library and Archives of the Royal Academy of Letters, History and Antiquities*): P.O.B. 5405, Storgatan 41, 114 84 Stockholm; f. 1786; 145,000 vols., 3,500 MSS., 60,000 maps and drawings, 600,000 photographs, 40,000 slides; special collection of Antiquarian-topographical material; open to the public; Head of Division Dr. Anders Hedvall; publ. *Fornvännen* (Journal of Swedish Antiquarian Research) (4 issues a year).

Riksdagsbiblioteket (*Parliamentary Library*): S-100 12 Stockholm 46; f. 1851; central administrative library intended to serve the Riksdag and the administrative services; 500,000 vols.; chiefly devoted to law, political science, administration and social science; Chief Librarian Lennart Grönberg; Librarians Gunnel Bohman, Gostä Elvin, Torsten Dahl; publs. *Arsberättelse* (Annual Report), *Förteckning över nyförvärv* (List of acquisitions), *Årsbibliografi över Sveriges offentliga publikationer* (Annual bibliography of the official publications of Sweden).

Skogsbiblioteket (*Forestry Library*): 104 05 Stockholm 50; f. 1918; 120,000 vols.; part of library system of Univ. of Agriculture, Forestry and Veterinary Medicine; Librarian H. Peter Hallberg; publ. *Studia forestalia Suecica*†.

Stadsarkivet i Stockholm (*Stockholm City Archives*): Kungsklippan 6, Box 22 063, S-104 22 Stockholm; f. 1930; 2,300 shelf-metres; City Archivist Sven W. Olsson; publs. *Studier och handlingar rörande Stockholms historia*† (irregular), *Stockholms arkivnämd och stadsarkiv. Årsberättelse*† (annually), *Stockholms tänkeböcker från år 1592*† (irregular).

Statens Psykologisk-Pedagogiska Bibliotek (*National Library for Psychology and Education*): Hagagatan 23 A, Stockholm; P.O.B. 23099, S-104 35 Stockholm; f. 1885; 189,000 vols.; Librarian Elin Ekman.

Statistiska centralbyråns bibliotek (*Library of the National Central Bureau of Statistics*): Fack, S-102 50 Stockholm; f. 1858; incorporating since 1972 the libraries of the National Boards of Building and Planning, Education, and Health and Welfare; *c.* 5,000 periodicals as well as statistics both official and international; Chief Librarian M. Lindmark.

Svenska Akademiens Nobelbibliotek (*Nobel Library of the Swedish Academy*): Börshuset, Källargränd 4, 111 29 Stockholm; f. 1901; 150,000 vols.; Librarian Anders Ryberg.

Svenskt musikhistoriskt arkiv (*Swedish Music History Archive*): Strandvägen 82, 115 27 Stockholm; f. 1965; Director Dr. A. Helmer; a documentation centre for music bibliography and for research on musical sources and musical life in Sweden; publs. *Bulletin* (periodical), series *Musik i Sverige* (jointly with the Swedish Society for Musicology).

Sveriges Radio Bibliotek och Arkiv (*Libraries and Archives of the Swedish Broadcasting Corporation*): 105 10 Stockholm; f. 1925; documents relating to Swedish broadcasting and television.

Stockholm universitets bibliotek (*Stockholm University Library*): Fack, 104 05 Stockholm 50; the following libraries were integrated in 1971: **Humanistika biblioteket** (*Humanities Library*) f. 1922; **Juridiska biblioteket** (*Law Library*) f. 1907; **Matematisk-naturvetenskapliga biblioteket** (*Library of Mathematics and Natural Sciences*) f. 1943; **Slaviska biblioteket** (*Slavonic Library*) f. 1944; **Socialvetenskapliga biblioteket** (*Social Science Library*) f. 1903, and a number of departmental libraries; *c.* 700,000 vols. (including early Soviet material and Eli Heckscher economic history collection); Librarian Adam Heymowski, ph.d.; publs. *Stockholms universitet, Kurslitteratur, Acta universitatis Stockholmiensis*.

Utrikesdepartementet (*Library of The Royal Swedish Ministry of Foreign Affairs*): Gustav Adolfs torg 1, Stockholm 16; works on modern history and politics, law, international law, economy and statistics; not open to the public; Deputy Head of Division Staffan Runestam.

Gothenburg

Chalmers Tekniska Högskolas Bibliotek (*Chalmers University of Technology Library*): Fack, S-402 20, Gothenburg 5; f. 1829; 250,000 vols. in library; Chief Librarian Sven Westberg.

Göteborgs Universitetsbibliotek (*Gothenburg University Library*): Central Library, P.O.B. 5096, S-402 22 Göteborg 5; Bio-Medical Library, Fack, S-400 33 Göteborg 33; Economics Library, Vasagatan 3, S-411 24 Göteborg; f. 1861; 1,250,000 vols., 500,000 pamphlets; Chief Librarian P. Hallberg; publs. *Acta Bibliothecae Universitatis Gothoburgensis*†, *Acta Universitatis Gothoburgensis*, etc.

Linköping

Linköpings universitetsbibliotek (*Linköping University Library*): S-581 83 Linköping; f. 1969; 130,000 vols.; Chief Librarian H. Baude; publ. *Publikation*†.

Lund

University Library of Lund: Box 1010, S-221 03 Lund; f. 1671; 2,300,000 vols.; more than 12,000 MSS.; the Bibliotheca Gripenhielmiana (6,000 vols. 16th and 17th century prints); brochures, maps, etc.; Chief Librarian Björn Tell; publs. include *Acta Universitatis Lundensis*†, *Acta and Scripta Minora Reg. Societatis Humaniorum Litterarum Lundensis*†, *Publications of the New Society of Letters at Lund*†.

Nyköping

Studsvik Energiteknik AB Library: S-611 82 Nyköping; f. 1947; energy research and technology; 22 mems.; 45,000 books, 500,000 reports; Head Librarian Björn Holmberg; publ. *Studsvik Reports*†.

Umeå

Umeå Universitetsbibliotek (*University Library of Umea*): Box 718, S-901 10 Umeå; f. 1964; 400,000 vols.; Chief Librarian K. Snellman.

Uppsala

Sveriges lantbruksuniversitets bibliotek (*Library of the Swedish University of Agricultural Sciences*): S-750 07 Uppsala 7; f. 1932; 600,000 vols. including those in branch libraries: Alnarp Library, Garpenberg Library, Skara Veterinary Library, Forestry Library (Umeå); Dir. Lars-Erik Sanner.

University Library of Uppsala: Box 510, 751 20 Uppsala; f. 1620; over 2,000,000 vols. (including more than 2,500 incunabula and over 700,000 foreign dissertations); 32,000 MSS., including the famous *Codex argenteus*, the "Silver Bible" of the 6th century, a translation of the Gospels into the Gothic language, Swedish and Icelandic medieval MSS., the Bibliotheca Walleriana (medical books), a collection of old music books and MSS, a collection of old maps, engravings and drawings, including the *Carta Marina* by Olaus Magnus (earliest accurate map of Scandinavia); Librarian T. Tottie; publs. include *Acta Universitatis Upsaliensis*†, *Acta Bibliothecae R. Universitatis Upsaliensis*†, *Bibliotheca Ekmaniana*, *Årsberättelse*† (Annual Report), etc.

MUSEUMS AND ART GALLERIES

Stockholm

Etnografiska Museet (*Ethnographical Museum of Sweden*): S-115 27 Stockholm; f. 1880; collection of 150,000 artefacts from Africa, America, Asia, Australia and the Pacific; the Museum also houses the *Sven Hedin Foundation*; Dir. Karl Erik Larsson, fil.lic. (Pacific); Curators Dr. Bertil Söderberg (Africa), Dr. Anna-Britta Hellbom (America), Bo Sommarström, fil.lic. (Asia), Elisabet Lind, fil.lic. (South East Asia), Jan Olof Lundberg, fil.lic. (Information), Lennart Gärdvall, fil.kand. (Documentation), Jan-Erik Reuterblad, fil.kand. (Administration); publs. *Ethnos* (quarterly) and monographs.

Kungl. Armémuseum (*Royal Army Museum*): Riddargatan 13, Stockholm 7; f. 1879; about 37,000 exhibits, 15th–20th century; library with 15,000 vols.; open daily; Dir. Dr. Olle Cederlöf; Curators Bengt Holmqvist; Arne Danielsson, Curt Belfrage, Gunvor Klingberg; publs. *Meddelanden från Armémuseum* (from 1938), *Kungl. Armémuseums Handbocker* (Handbooks 1953, 1955).

Kungl. Livrustkammaren (*The Royal Armoury*): 115 21 Stockholm; f. during reign of Gustavus Vasa (1523–1560); arms, costumes, coaches, etc., of Swedish royal personages; Dir. Åke Meyerson; Curators Gudrun Ekstrand, Nils Drejholt; publ. *Livrustkammaren* (Journal of the Royal Armoury).

Musikmuseet: Slottsbacken 6, 11130 Stockholm; f. 1899, rebuilt 1963; over 4,000 exhibits including European art and folk instruments, also non-European instruments; Dir. G. Larsson.

Nationalmuseum: 103 24 Stockholm; f. 1792; 6,420 paintings, icons and miniatures, 3,843 sculptures, incl. antiquities, 193,432 drawings and prints, 26,970 numbers of applied art, library with 165,000 vols. and 620,000 clippings; also administers collections of several royal castles with 7,170 works of art; Supt. B. Dahlbäck; Heads of Depts.: Paintings and Sculptures P. Grate; Prints and Drawings P. Bjurström; Applied Art D. Widman; Lending Dept. Mrs. G. Sylvan-Larsson; Education Mrs. E. Nordenson; Royal Castles Collection Ulf G. Johnsson; publs. *Bulletin* (with annual report)†, *Year Book* and catalogues.

Moderna Museet (*Contemporary Art Museum*): 111 49 Stockholm; f. 1958; 3,320 paintings and sculptures; also administers Photographic Museum, f. 1971; 200,000 photographs; Dir. Mrs. K. Bergquist Lindegren.

Naturhistoriska Riksmuseet (*Swedish Museum of Natural History*): S-104 05 Stockholm; f. 1819; Museum Department (exhibitions and administration): Dir. K. Engstrom; Research Department: Heads of Sections: Vertebrate, Prof. A. G. Johnels; Entomology, Prof. E. Sylvén; Invertebrate, Prof. L. Orrhage; Palaeozoology, Prof. T. Ørvig; Botany, Prof. R. Santesson; Palaeobotany, Prof. A. Britta Lundblad; Mineralogy, Prof. E. Welin; publ. *Fauna och flora* (popular biology magazine).

Nordiska Museet: S-115 21 Stockholm, Djurgårdsvägen 14/18; f. 1873; ethnological and industrial art collections; about 1,000,000 exhibits; library of 100,000 vols.; Dir. Sune Zachrisson; Keeper of Trade, Industry and Crafts Jonas Berg; Keeper of Buildings, Household and Furnishing Kersti Holmquist; Keeper of Textiles Elisabet Stavenow-Hidemark; Keeper of Cultural Field Research Göran Rosander, ph.d.; Head of Education and Public Relations Skans Torsten Nilsson; Institute of Folk Life Research Prof. Mats Rehnberg, ph.d.; Chief Librarian Sten Lundwall, ph.d.; publs. *Acta Lapponica*†, *Fataburen*† (year book), *Nordiska museets handlingar*†, *Svenskt liv och arbete*†, books on industrial art and architecture, ethnology and folklore.

Östasiatiska Museet (*Museum of Far Eastern Antiquities*): Skeppsholmen, Box 16381, S-103 27 Stockholm; f. 1959; art section containing mainly Chinese paintings, sculptures and ceramics; archaeological section containing pottery and bronze objects; Japanese, Korean and Indian art; Dir. B. Gyllensvärd; Chief Curator Dr. Jan Wirgin; publ. *Bulletin*†.

Riksantikvarieämbetet och Statens historiska museer (*The Central Office for Antiquities and National Historical Museums*): Box 5405, S-114 84 Stockholm; f. 1630, refounded 1847; consists of the following:

Riksantikvarieämbetet (*Central Office of National Antiquities*): supervises historic monuments, registers them, conducts excavations and research; Dir.-

Gen. Roland Pålsson; publs. *Årsbok* (annually), *Kulturminnesvård* (every 2 months), *Rapport* (continuously).

Statens historiska museum (*Museum of National Antiquities*): Dir. Olov Isaksson; publ. *Historiska Nyheter* (continuously).

Kungl. Myntkabinettet Statens Museum för Mynt Medalj och Penninghistoria (*Royal Coin Cabinet National Museum of Monetary History*): Dir. Brita Malmer; publs. *Sylloge Nummorum Graecorum*, *Catalogue of Coins from the Viking Age found in Sweden*.

Medelhavsmuseet (*Museum of Mediterranean and Near Eastern Antiquities*): Dir. Carl-Gustaf Styrenius; publs. *Bulletin* (annually), *Memoir*.

Tekniska institutionen (*Institute of Technology*): Dir. Hans Åke Nordström.

Kungl. Vitterhets Historie och Antikvitets Akademien Bibliotek och Arkiv (*Library and Archives of the Royal Academy of Letters, History and Antiquities*): *see* under Libraries.

Skansen: S-115 21 Stockholm; f. 1891; ancient buildings, zoological garden; Dir. Nils Erik Baehrendtz; Keeper of Buildings Arne Biörnstad; Keeper of Natural History Per Olof Palm; publs. daily programmes, guides, etc.

Statens sjöhistoriska museum (*National Maritime Museum*): Wasavarvet, S-11527 Stockholm; f. 1938; the oldest part of the Royal Naval Section originates from the Royal Chambers in 1752; collections give a view of Swedish naval and merchant history, vessels of the past and of today; *c.* 40,000 vols.; Dir. Per Lundström; publ. *Sjöhistorisk årsbok*†.

Wasavarvet (*Warship Wasa Museum*): f. 1962; the oldest fully identified and salvaged ship in the world; lost 1628, raised 1961.

Stockholms Stadsmuseum (*City Museum*): Ryssgården, Slussen, Stockholm; f. 1932; approx. 20,000 exhibits (including the "Lohe treasure", The Bellman Dept., paintings of Josabeth Sjöberg and armed 15th-century vessel); approx. 500,000 photographic negatives, 30,000 drawings, sketches and engravings; Dir. Björn Hallerdt; Curator Archives, Library, Collections and Preservation Bo Wingren; Curator Building and Archaeological Dept. Jonas Ferenius; Curator Museums Dept. Hans Eklund; publs. *Annual Report*, catalogues.

Tekniska Museet (*National Museum of Science and Technology*): Museivägen 7, 115 27 Stockholm; f. 1924; 35,000 old machines, models, tools, etc.; Telemuseum: telegraphy, telephony; 700 metres of archives; library of 37,000 vols.; open daily; Dir. Sigvard Strandh; publ. *Daedalus*† (year book).

GOTHENBURG

Göteborgs Konstmuseum (*Gothenburg Art Gallery*): Götaplatsen, S-412 56 Göteborg; f. 1861; European paintings, sculpture, prints and drawings from 1500, special collections of French art from 1820 onwards and Scandinavian art; art library; Dir. Karl-Gustaf Hedén.

Göteborgs Museer (*Museums of the City of Gothenburg*): f. 1861; Chair. of Trustees Prof. Lars Ågren; publs. *Annual Reports* and special series from various museums; comprises the following:

Archaeological Museum: Skärgårdsgatan 4; Dir. Dr. Lili Kaelas.

Ethnographical Museum: N. Hamngaten 12; Dir. Dr. Kjell Zetterström.

Historical Museum: N. Hamngaten 12; Dir. Dr. Allan T. Nilson.

Museum of Fine Arts: Götaplatsen; Dir. Dr. Karl-Gustav Heden.

Museum of Natural History: Slottsskogen; Dir. Dr. Bengt Huben-Dick.

Röhss Museum of Arts and Crafts: Vasagatan 37-39; Dir. Jan Brunius.

Theatre Museum: Berzeliigaten; Dir. Åke Pettersson.

Military Museum "Kronan": attached to Historical Museum; Curator Capt. H. Warfvinge.

Sjöfartsmuseet (*The Maritime Museum and Aquarium*): Karl Johansgatan 1-3, S-414 59 Göteborg; f. 1913 by the Nautical Society of Gothenburg; illustrates Swedish maritime history, as exemplified by the work of the Royal Navy, Merchant Navy, Fishing Fleets and yachtsmen; includes an open-air museum; the collection includes models, marine paintings, portraits, drawings, maps and a library of 14,000 books and prints; Dir. Commdr. Göran Sundström; publ. *Unda Maris*† (year book).

LUND

Kulturhistoriska Museet (*Cultural History Museum*): Box 1095, Lund; f. 1882; ethnography, cultural history; 350,000 exhibits (ceramics, textiles, archaeological finds from medieval Lund); Ostarp, old farm with inn, 30 km. from Lund; Dir. Dr. Eva Nordenson; publ. *Kulturen* (since 1935, yearbook).

MARIEFRED

The Swedish National Portrait Gallery: Gripsholm Castle, S-150 30 Mariefred; f. *c.* 1550; Curator Ulf G. Johnsson (National Museum, Stockholm 16).

UPPSALA

Upplandsmuseet (*Upplands Museum*): Box 2076, 750 02 Uppsala; f. 1959; provincial cultural history; Curator Ola Ehn; publ. *Uppland*.

UNIVERSITIES

UNIVERSITETS- OCH HÖGSKOLEÄMBETET

(National Swedish Board of Universities and Colleges)

DROTTNINGGATAN 95,
P.O.B. 45501, S-104 30 STOCKHOLM
Telephone: 08/24 85 60.

Government Agency in charge of management of the Swedish higher education system.

Chancellor: Hans Löwbeer.
Deputy Chancellor: Dr. Olof Ruin.
Head of Information: Ernst Erik Ehnmark.

CHALMERS TEKNISKA HÖGSKOLA

(Chalmers University of Technology)

FACK, S-402 20 GOTHENBURG
Telephone: (031) 81 01 00.
Founded 1829.

Rector: Prof. S. Olving.
Vice-Rector: R. Magnusson.
Chief Administrative Officer: R. Thun.
Chief Librarian: S. Westberg.

Library: *see* Libraries.

Number of teachers: 300, including 84 professors.

Number of students: 5,500.

Publications: *Annual Report, Catalogue of Courses, Departmental Reports, Handbooks.*

DEANS:

Faculty Dean: Prof. A. Samuelsson.
School of Engineering Physics: Prof. I. Lindgren.
School of Mechanical Engineering: Prof. E. Nilsson.
School of Electrical Engineering: Prof. B. Qvarnström.
School of Civil Engineering: Prof. S. Sahlin.
School of Chemical Engineering: Prof. N.-G. Vannerberg.
School of Architecture: Prof. L. Ågren.

PROFESSORS:

School of Engineering Physics:
Almén, O., Physics
Andersson, G., Physics
Arnell, S.-E., Physics
Axelsson, O., Information Processing, Numerical Analysis
Brogren, G., Physics
Broman, A., Mathematics
Friberg, J., Mathematics
Jacobinski, H., Mathematics
Jagers, P., Mathematical Statistics
Lindgren, I., Physics
Lundén, A., Physics
Lundqvist, B., Mathematical Physics
Lundqvist, S., Mathematical Physics
Myers, P., Solid State Physics
Nilsson, J., Mathematical Physics
Sjölander, A., Statistical Physics
Sjöstrand, N. G., Nuclear Physics
Thomée, V., Mathematics

School of Mechanical Engineering:
Aldman, B., Traffic Safety
Bohlin, H., Industrial Organization
Collin, L., Combustion Engines
Edberg, B., Textile Technology
Falkemo, C., Ship Hydromechanics
Fischmeister, H., Engineering Metals
Frössling, N., Applied Thermo- and Fluid Dynamics
Holmberg, B., Mechanics
Hult, J., Strength of Materials
Jacobsson, B., Machine Design
Kubát, J., Polymeric Materials
Lange, H., Marine Engineering
Nilsson, E., Turbomachines
Nordström, L., Steam Engineering
Svahn, O., Production Engineering
Svennerud, A., Shipbuilding
Åkesson, A., Strength of Materials

School of Electrical Engineering:
Bolinder, F., Circuit Theory
Cegrell, T., Electronic Systems Engineering
Eng, S., Electrical Measurement Technique
Högberg, B., Electron Physics
Kristiansson, L., Information Theory
Magnusson, R., Applied Electronics
Olving, S., Electron Physics, Vacuum and Gas Electron Physics
Qvarnström, B., Control Engineering
Rydbeck, O., Electron Physics, Theoretical Electron Physics and Space Science
Stemme, E., Computer Technique
Stenborg, B., Applied Electrical Engineering
Wallman, H., Medical Electronics
Wallmark, T., Electron Physics, Solid State Electron Physics
Wilhelmsson, T., Electromagnetic Field Theory
Zweygbergk, S., Electrical Machinery

School of Civil Engineering:
Abel, E., Building Services Engineering
Balmér, P., Water Supply and Sewerage Engineering
Bergfelt, A., Structural Engineering, Steel and Wooden Constructions, Bridge Building
Eriksson, K. G., Geology and Mineralogy
Hammarlund, Y., Building Economics and Organization
Hansbo, S., Soil Mechanics and Foundation Engineering
Kihlman, T., Building Acoustics
Larsson, L.-E., Building Technology
Losberg, A., Structural Engineering, Concrete Constructions
Malinowski, R., Science of Building Materials
Nilsson, L. E., Highway Engineering
Sahlin, S., Building Statics
Samuelsson, A., Structural Mechanics
Sjöberg, A., Hydraulics

School of Chemical Engineering:
Flodin, P., Polymer Technology
Hedström, B., Chemical Engineering Equipment
Nilsson, M., Organic Chemistry
Rilbe, H., Physical Chemistry
Rosenblad, G., Heat and Power Technology
Rydberg, J., Nuclear Chemistry
Samuelson, O., Engineering Chemistry
Schöön, N. H., Chemical Reaction Engineering
Simonsson, R., Engineering Chemistry
Vannerberg, N.-G., Inorganic Chemistry

School of Architecture:
Cornell, E., Architectural History and Theory (Humanities)
Gunnarsson, O., Town Planning
Kiessling, W., Building Construction
Kärrholm, G., Building Construction
Nordenström, H., Planning and Design Methods
Olivegren, J., Architecture
Wallinder, J., Architectural Design
Ågren, L., Architecture

ATTACHED INSTITUTE:

Onsala Space Observatory: 430 34 Onsala; Dir. Prof. O. Rydbeck.

GÖTEBORGS UNIVERSITET

(Gothenburg University)

VASAPARKEN,
411 24 GOTHENBURG
Telephone: 031 810400.

Founded 1891, became state university 1954.

Academic year: September to June.

Rector: Prof. G. Lundgren.

Vice-Rector: L. Alfvegren, ph.d.

Chief Administrative Officer: L. Hj. Gurmund.

Librarian: P. Hallberg.

Library: *see* Libraries.

Number of professors: 136.

Number of students: 22,000.

DEANS:

Faculty of Arts: Prof. P. Åström.
Historical-Philosophical Section: Prof. P. Åström.
Language Section: Prof. Å. Fridh.
Faculty of Social Sciences: Prof. K. Härnqvist.
Faculty of Natural Sciences: Prof. T. Ganelius.
Mathematical-Physical Section: Prof. O. Hanner.
Chemical Section: Prof. R. Stomberg.
Biological-Geographical Section: Prof. R. Fänge.
Faculty of Medicine: Prof. P. Karlberg.
Faculty of Dentistry: Prof. J. Lindhe.

PROFESSORS:

Faculty of Arts:
Historical-Philosophical Section:
Hallberg, P., History of Literature
Hamberg, P. G., History of Arts
Holmberg, Å., History
Ling, J., Musicology
Moberg, C.-A., Northern and European Archaeology
Sandblad, H., History of Ideas and Learning
Segelberg, I., Philosophy
Törnebohm, H., Theory of Science
Weibull, J., History
Åström, P., Ancient Culture and Civilization

Language Section:

Allén, S., Computational Linguistics
Benson, S., Northern Languages
Ellegård, A., English
Fabricius, C., Greek
Fridh, Å., Latin
Frykman, E., English
Jacobsson, G., Slavonic Languages
Liebert, G., Sanskrit and Comparative Philology
Palva, H., Arabic
von Proschwitz, G., Romance Languages
Åsdahl Holmberg, M., German

Faculty of Social Sciences:

Aijmer, G., Social Anthropology
Bergendahl, G., Business Finance
Bubenko, Janis, Computer Science
Dahl, S., Economical Geography
Dahlström, E., Sociology
Dickson, H., Economics
Godlund, S., Human Geography
Goldberg, W., Business Finance
Grönfors, K., Naval Law
Herlitz, L., Economic History
Härnqvist, K., Pedagogy
Hyrenius, H., Demography
Jönsson, S., Business Finance
Klevmarken, A., Statistics
Larsson, K., Comparative Physiological Psychology
Lybeck, J., Economics
Marton, F., Pedagogy
Rubenowitz, S., Applied Psychology
Rundblad, B., Sociology
Sandström, J., Commercial Law
Sjöberg, L., Psychology
Stukát, K.-G., Pedagogy
Westerståhl, J., Political Science
Wickström, B., Business Finance

Faculty of Natural Sciences:

Mathematical-Physical Section:

Eriksson, K.-E., Theoretical Physics
Ganelius, T., Mathematics
Hanner, O., Mathematics
Kullenberg, G., Oceanography

Chemical Section:

Aniansson, G., Physical Chemistry
Dyrssen, D., Analytical Chemistry
Lundgren, G., Inorganic Chemistry
Malmström, B., Biochemistry
Melander, L., Organic Chemistry
Vänngard, T., Biophysics

Biological-Geographical Section:

Enemar, A., Zoology
Fänge, R., Zoophysiology
Gundersen, K., Marine Microbiology
Harling, G., Systematic Botany
Levan, G., Genetics
Levring, T., Marine Botany
Rudberg, S., Physical Geography
Virgin, H., Plant Physiology
Wendelbo, P., Botany (Systematics and Phytogeography)

Faculty of Medicine:

Ahrén, K., Physiology
Andersson, S., Physiology
Angervall, L., Pathology
Bartley, O., X-Ray Diagnostics
Berthold, C.-H., Anatomy
Björk, L., X-Ray Diagnostics
Björntorp, P., Medicine
Brattgård, S.-O., Handicap Research
Brånemark, P.-I., Anatomy
Bucht, H., Medicine, especially Nephrology
Carlsson, A., Pharmacology
Carlsten, A., Clinical Physiology
Edlund, Y., Surgery
Ekholm, R., Anatomy
Folkow, B., Physiology
Gelin, L.-E., General and Transplantation Surgery
Gottfries, C.-G., Psychiatry
Gustafsson, J.-Å., Medical and Physiological Chemistry
Hagberg, B., Paediatrics
Hallberg, L., Medicine
Hallén, O., Oto-rhino-laryngology
Hamberger, A., Histology
Hanson, L.-Å., Clinical Immunology
Hedlund, P., Infectious Diseases
Hydén, H., Histology
Höök, O., Medical Rehabilitation
Isaksson, B., Clinical Nutrition
Johansson, B., Plastic Surgery
Karlberg, P., Paediatrics
Kock, N., Surgery
Lagerkvist, U., Medical and Physiological Chemistry
Lind, A., Bacteriology
Lindahl, T., Medical and Physiological Chemistry
Lindegård, B., Social Medicine
Lindgren, S., Neurosurgery
Lindstedt, G., Clinical Chemistry
Lindstedt, S., Clinical Chemistry
Linnér, E., Ophthalmology
Lundberg, A., Physiology
Lundin, P. M., Pathology
Nachemson, A., Orthopaedic Surgery
Nilsson, N. J., Clinical Physiology
Notter, G., Radio-Therapeutics
Ottosson, J. O., Psychiatry
Ouchterlony, Ö., Bacteriology
Petersén, I., Clinical Neurophysiology
Ranström, S., Pathology
Röckert, H., Histology
Rylander, R., Hygiene
Sköldborn, H., Medical Radiophysics
Sourander, P., Pathology
Steg, G., Neurology
Stener, B., Orthopaedic Surgery
Svanborg, A., Geriatric and Long-Term Care Medicine
Svennerholm, L., Neurochemistry
Swanbeck, G., Dermatology and Venereal Diseases
Vahlne, G., Clinical Bacteriology
Wiqvist, N., Obstetrics and Gynaecology
Zettergren, L., Pathology
Åkesson, H. O., Psychiatry

Faculty of Odontology:

Carlsson, G., Stomatognathic Physiology
Engström, B., Endodontics
Häggendal, J., Pharmacology
Hedegård, B., Prosthetics
Heyden, G., Oral Pathology
Hollender, L., Oral Roentgendiagnosis
Krasse, B., Cariology
Lindhe, J., Periodontology
Magnusson, B., Pedodontics
Möller, Å., Oral Microbiology
Thilander, B., Orthodontics
Thilander, H., Oral Surgery

HÖGSKOLAN I KARLSTAD

FACK, 650 09 KARLSTAD
Telephone: 054-13 00 20.

Founded 1967 as Universitetsfilialen i Karlstad, present name 1977.

State control; Academic year: September to June.

Rector: Lennart Andersson.
Head of Administration: Bengt Nylander.
Chief Librarian: Barbro Marin.

Library of 80,000 vols.
Number of teachers: 150.
Number of students: 3,000.

Publication: *Information från högskolan i Karlstadt* (monthly).

Deans:

Faculty of Technology: Ingemar Alnås.
Faculty of Special Subject Teacher Training: Brita Werner.
Faculty of Form-teacher Training: Torbjörn Wiklund.
Faculty of Nursery School Training: Johan Haesert.
Faculty of Recreation Teacher Training: Alf Sundin.
Faculty of Administration and Economics: Charlie Karlsson.
Faculty of Art and Journalism: Sten Blomberg.

Professors:

Agergård, A., Education
Andersson, L., Ethnogeography
Andersson, R., Political Science
Berglund, G., Music
Bergstrand, S.-A., Knowledge of Law
Blomberg, S., Theory of Communication
Branzell, K.-G., German
Brühn, O., Music
Brunström, K., Athletics
Brunström, O., Biology
Eklund, B., Business Administration
Emanuelsson, I., Education
Engdahl, C. A., Business Administration
Gejrot, B., English
Gustafsson, B., Statistics
Gynnemo, I., Physics
Hedén, I., History
Hedin, A., Education
Hvengard, B., Art
Hoglund, I., Art
Jansson, R., Athletics
Jörnving, R., French
Karlbom, R., History
Karlsson, S.-E., Sociology
Kvillerud, R., Scandinavian Languages
Lundberg, B., Ethnogeography
Lundgren, P., Education
Lundqvist, S., Education
Mattsson, B., Economics
Mogren, J., History of Literature
Nilsson, J., Scandinavian Languages
Nordin, K.-A., Education
Norman, H., Art
Normann, J., Geography
Norwell, B., Pedagogics
Oldberg, B., Physics
Ottosson, U., Scandinavian Languages
Peterson, S., Education
Raggl, A.-L., Athletics
Rust, L., Education
Sammeli, K.-E., Geography
Samuelsson, B., Information Processing
Sandin, A., Business Administration
Segolsson, E., Athletics
Shutrick, H., Mathematics
Sundh, R., Education
Sörlin, I., Education
Thompson, J., Mathematics
Thompson, S., National Economy
Werme, G., English
Werner, B., English
Westander, S., French
Westberg, E., Education
Wiklund, M., Education
Österling, O., Education

KUNGLIGA TEKNISKA HÖGSKOLAN

(Royal Institute of Technology)

S-100 44 STOCKHOLM
Telephone: 08-7870000.
Telegraphic Address: "Technology".
Founded 1827.

State university; Academic year: September to June.

President: Prof. A. Rasmuson.
Vice-President: Prof. J. Carlsson.
Chief Administrative Officer: (vacant).
Chief Librarian: S. Schwarz.

Library: *see* Libraries.

Number of teachers: 1,500, including 104 professors.

Number of students: 7,300.

Publications: *Catalogue, Study Handbook* (annual).

Deans:

Faculty: Prof. S. Berndt.
School of Physics: Prof. H. U. Åström.
School of Mechanical Engineering: Asst. Prof. S. Lundgren.
School of Aeronautics: Prof. F. Hjelte.
School of Electrical Engineering: Prof. S. Ekberg.
School of Civil Engineering: Prof. O. Andersson.
School of Chemical Engineering: Prof. F. Setterwall.
School of Mining and Metallurgy: Prof. P. O. Strandell.
School of Architecture: Prof. P. Holm.
School of Surveying: Prof. E. Carlegrim.

Professors:

School of Physics:
Bohlin, T., Automatic Control
Brulin, O., Mechanics
Dahlquist, G., Numerical Analysis and Computing Science
Grimvall, G., Theoretical Physics
Hellsten, U., Mathematics
Hjalmars, S., Mechanics
Huldt, L., Physics
Ingelstam, L., Mathematics
Kjellberg, B., Mathematics
Landahl, M. Mechanics
Langefors, B., Administrative Information Processing
Larsson, K.-E., Reactor Physics
Lindholm, E., Physics
Nagel, B., Mathematical Physics
Olsson, P.-O., Mathematical Physics
Rosén, B., Mathematical Statistics
Shapiro, H., Mathematics
Thulin, S., Applied Physics
Zachrisson, L. E., Optimization and Systems Theory
Åslund, N., Physics
Åström, H. U., Solid State Physics

School of Mechanical Engineering:
Becker, K., Nuclear Reactor Engineering
Blomberg, F., Machine Design
Colding, B., Production Engineering
Collin, R., Heat and Furnace Technology
Danielsson, A., Industrial Economics and Management
Gadefelt, G., Technical Acoustics
Norén, A., Fluid Technology
Norén-Brandel, T., Welding Technology
Peterson, F., Heating and Ventilating
Pierre, B., Applied Thermodynamics and Refrigeration
Schnittger, J., Machine Elements
Söderberg, O., Thermal Engineering
Sohlenius, G., Machine Tools
Steneroth, E., Naval Architecture

School of Aeronautics:
Andersson, B. J., Hydromechanics
Berndt, S., Gas Dynamics
Carlsson, J., Strength of Materials and Solid Mechanics
Hjelte, F., Aeronautics
Rand, T., Aircraft Structural Analysis and Design
Storåkers, B., Strength of Materials

School of Electrical Engineering:
Agdur, B., Microwave Engineering
Brodin, G., Electrical Measurements
Ekberg, S., Telecommunication Networks and Systems
Enander, B., Electromagnetic Theory
Fälthammar, C.-G., Plasma Physics
Fant, G., Speech Communication
Hellgren, G., Applied Electronics
Herlofson, N., Electron Physics
Lehnert, B., Plasma Physics and Fusion Research
Rusck, S., Electric Power Systems Engineering
Thorelli, L.-E., Computer Systems
Török, V., Electrical Power Conversion
Zetterberg, L.-H., Telecommunication Theory
Åström, E., Electromagnetic Theory

School of Civil Engineering:
Andersson, O., Highway Engineering
Baehre, R., Steel Constructions
Björkman, B., Traffic and Transport Engineering
Broms, B., Soil and Rock Mechanics
Cederwall, K., Hydraulics
Höglund, I., Building Technology
Kinnunen, S., Building Statics
Lorentsen, M., Structural Engineering and Bridge Building
Nylander, H., Building Statics and Structural Engineering
Rahm, H. G., Building Economics and Organization
Ödeen, K., Building Materials

School of Chemical Engineering:
Allander, C., Heat Technology
Gatenbeck, S., Biochemistry
Grenthe, I., Inorganic Chemistry
Hartler, N., Cellulose Technology
Ingman, F., Analytical Chemistry
Lindström, O., Chemical Technology
Neretnieks, I., Chemical Engineering
Norin, T., Organic Chemistry
Rånby, B., Polymer Technology
Setterwall, F., Transport Phenomena
Sjöberg, K., Chemical Technology
Westermark, T., Nuclear Chemistry
Wettermark, G., Physical Chemistry
Wranglén, G., Applied Electro-Chemistry and Corrosion Science

School of Mining and Metallurgy:
Bergström, Y., Physical Metallurgy
Edström, J. O., Production Technology, Mining and Steel Industry
Eketorp, S., Ferrous Metallurgy
Fredriksson, H., Casting of Metals
Hillert, M., Physical Metallurgy
Janelid, I., Mining with Mine Surveying
Staffansson, L.-I., Theoretical Metallurgy
Strandell, P. O., Working of Metals

School of Architecture:
Dergalin, I., Town Planning
Hidemark, B., Architecture Building Design
Holm, P., Regional Planning
Johnson, A., Building Construction
Ryd, H., Forms
Silow, S., Architecture
Thiberg, S., Building Function Analysis
Wåhlström, O., Methods of Projection

School of Surveying:
Bjerhammar, A., Geodesy
Carlegrim, E., Real Estate Economics
Gustafsson, Y., Land Improvement and Drainage
Larsson, G., Real Estate Planning
Torlegård, K., Photogrammetry

UNIVERSITETET I LINKÖPING
(Linköping University)

581 83 LINKÖPING
Telephone: 013/11-17-00.
Founded 1970.

Rector: Prof. H. Meijer.
Vice-Rector: Prof. B. G. A. Persson.
Head of Administration: P. Almefelt.
Chief Librarian: K. Marklund.

Library: *see* Libraries.

Number of teachers: 650, including 46 professors.

Number of students: 7,500.

Deans:

Faculty of Technology: Prof. S. Erlander.
Faculty of Medicine: Prof. L. Edebo.
Faculty of Arts and Sciences: I. Lind.

Professors:

Faculty of Technology:
Björck, Å., Numerical Analysis
Brandes, O., Industrial Marketing
Dahlstrand, S., Structural Engineering
Danielsson, P.-E., Computer Technology
Ericson, T., Data Transmission
Ericsson, T., Constructional Materials
Erlander, S., Optimization
Fjällbrant, T., Applied Electronics
Grubbström, R. W., Production Engineering
Hagström, S., Physics
Ingemarsson, I., Information Theory
Jung, L., Control Engineering
Lundqvist, B., Theoretical Physics
Lundström, I., Applied Physics
Möller, E., Measurement Technology
Olsson, O., Hydraulics and Pneumatics
Persson, B. G. A., Mechanics of Materials
Sandewall, E., Computer Science
Sandkull, B., Industrial Organization
Sohlenius, G., Production Engineering
Widman, K.-O., Applied Mathematics
Wigertz, O., Medical Engineering (Medical Information Processing)
Öberg, Å., Medical Engineering (Instrumentation)

Faculty of Medicine:
Almqvist, S., Internal Medicine
Areskog, N.-H., Clinical Physiology
Aschan, G., Oto-Rhino-Laryngology
Axelsson, O., Medicine
Bergman, S., Clinical Bacteriology
Bertler, Å., Clinical Pharmacology
Bjurulf, P., Preventive and Social Medicine
Carlsson, C., Radiology
Edebo, L., Bacteriology
Edholm, P., X-Ray Diagnostics
Enerbäck, L., Pathology
Groth, O., Dermatology and Venereal Diseases
Gröntoft, O., Pathology
Kjessler, B., Obstetrics and Gynaecology
Larsson, Y., Paediatrics
Liljedahl, S.-O., Surgery
Lindahl, O., Orthopaedic Surgery
Link, H., Neurology
Lundholm, L., Pharmacology
Löfström, B., Anaesthesiology
Nilsson, S.-E., Ophthalmiatrics

Sörbo, B., Clinical Chemistry
Wigertz, O., Medical Engineering (Medical Information Processing)
Wretmark, G., Psychiatry
Öberg, Å., Medical Engineering (Instrumentation)

HÖGSKOLAN I LULEÅ

(University of Luleå)

S-95187 LULEÅ
Telephone: 0920/98000.

Founded 1971.

President: Lars Nordström.
Vice-President: Torbjörn Hedberg.
Chief Administrative Officer: Daniel Enquist.
Dean of Technical Faculty: Kurt Boström.
University Librarian: Kari Marklund.

Number of teachers: 300.
Number of students: 2,500.

Publications: *Research Reports, Technical Reports.*

Professors:

Institute of Materials Technology:
Easterling, K., Engineering Materials
Källström, K., Metal Working

Institute of Machine Engineering:
Grinndal, L., Transportation and Materials Handling
Jacobson, B., Machine Elements
Lundberg, B., Solid Mechanics
Nilsson, C.-G., Machine Design

Institute of Minerals and Prospecting Technology:
Boström, K., Economic Geology
Forssberg, E., Mineral Processing
Parasnis, D., Applied Geophysics

Institute of Mining and Civil Engineering:
Almgren, G., Mining and Construction Excavation
Bengtsson, L., Water Resources Engineering
Brinck, C. E., Highway Engineering
Cederwall, K., Structural Engineering
Grennberg, T., Construction Management
Pusch, R., Soil Mechanics
Stephansson, O., Rock Mechanics

Institute of Work Sciences:
Granholm, S., Mining Equipment Engineering
Östberg, O., Technical Psychology

LUNDS UNIVERSITET

(University of Lund)

FACK, S-221 01 LUND 1
Telephone: Lund 12 41 00.

Founded 1668.

Language of instruction: Swedish; State control; Academic year: September to May (two semesters).

Chancellor: Hans Löwbeer.
Rector: Prof. C.-G. Andrén.
Vice-Rector: Prof. B. Borgström.
Head of Administration: S. Hammar.
Chief Librarian: Björn Tell.

Library: *see* Libraries.
Number of teachers: 1,900, including 260 professors.
Number of students: *c.* 22,000.
Publication: *LUM* (20 a year).

Deans:

Faculty of Theology: Prof. E. Lövestam.
Faculty of Law: Prof. H. Strömberg.
Faculty of Medicine: Prof. H. Westling.
Faculty of Humanities: Prof. B. Odén.
Prof. B. Berg (Philologic Section).
Prof. B. Odén (Historic-Philosophic Section).
Faculty of Political and Social Sciences: Prof. L. Jörberg.
Faculty of Mathematics and Natural Sciences: Prof. L. Eberson.
Prof. T. Elvius (Mathematics Section).
Prof. L. Eberson (Chemical Section).
Prof. N. Malmer (Biological-Geographical Section).
Faculty of Odontology: Asst. Prof. B. Öwall.
Faculty of Technology: Prof. S. Borglin.
I. Brinck (School of Technical Physics).
Prof. L. Stigmark (School of Electrical Engineering).
Prof. G. Kullberg (School of Mechanical Engineering).
Prof. G. Lindhagen (School of Civil Engineering).
Prof. K. Åström (School of Architecture).
Prof. B. Hallström (School of Chemical Engineering).

Professors:

Faculty of Theology:
Andrén, C.-G., Practical Theology and Ecclesiastical Law
Brohed, I., Ecclesiastical History
Gerhardsson, B., New Testament Exegesis
Gustafsson, G., Sociology of Religion
Hartman, S., History and Psychology of Religions
Hemberg, J., Ethics
Hägglund, B., History of Christian Doctrine
Lyttkens, H., Philosophy of Religion
Lövestam, E., Early Christian Literature
Mettinger, T., Old Testament Exegesis
Persson, P. E., Systematic Theology

Faculty of Law:
Bolding, P. O., Judicial Procedure
Christensen, A., Civil Law
Englund, G., Financial Law
Lögdberg, Å., Civil Law
Modéer, K. Å., History of Law
Peczenik, A., Central Jurisprudence
Pålsson, L., International Law
Roos, C. M., Civil Law
Strömberg, H., Public Law
Wallén, P.-E., Criminal Law

Faculty of Medicine:
Andersson, K.-E., Clinical Pharmacology
Bauer, G., Orthopaedic Surgery
Bengmark, S., Surgery
Bengtsson, L. P., Obstetrics and Gynaecology
Bengtsson, U., Nephrology
Bergentz, S.-E., Experimental Surgery
Bergstrand, C. G., Paediatrics
Berlin, M., Hygiene
Boijsen, E., X-Ray Diagnostics
Borgström, B., Medical and Physiological Chemistry
Dahlqvist, A., Nutrition
Ehinger, B., Ophthalmology
Emmelin, N., Physiology
Eneroth, C.-M., Oto-Rhino-Laryngology
Falck, B., Histology
Falkmer, S., General Pathology and Pathological Anatomy
Forsgren, A., Clinical Bacteriology
Gardell, S., Medical Chemistry
Grubb, R., Bacteriology
Gustafson, A., Medicine
Hagnell, O., Psychiatry
Hulth, A. G., Orthopaedic Surgery
Hökfelt, B. M., Endocrinology
Hood, B., Practical Medicine
Ingelstedt, S., Oto-rhino-laryngology
Kaij, L., Psychiatry
Killander, C. F., Oncology
Källén, B., Embryology
Kjellen, L., Virology
Kullander, S., Obstetrics and Gynaecology
Laurell, C.-B., Clinical Chemistry
Lidén, K., Medical Radiophysics
Lindell, S.-E., Clinical Physiology
Lindgren, G., Social Medicine
Lindqvist, B., Paediatrics
Magnusson, B., Dermatology and Venereal Diseases
Mellander, J. S., Physiology
Müller, R., Neurology
Nilsson, E., Anaesthesiology
Norden, Å., Community Medicine
Nyman, E., Psychiatry
Olin, T., X-ray Diagnostics
Rorsman, H., Dermatology and Venereal Diseases
Stenram, U., General Pathology and Pathological Anatomy
Sundin, T., Urology
Thesleff, S., Pharmacology
Thulin, C.-A., Neurosurgery
Thulin, K. E., Infectious Diseases
Voigt, G., Forensic Medicine
Westling, H., Clinical Physiology
Zederfeldt, B., Surgery
Öckerman, P. A., Clinical Chemistry

Faculty of Humanities:
Bergh, B., Latin Language and Literature
Björck, S., History of Literature with Poetics
Bringéus, N.-A., Folklore
Cinthio, E., Medieval Archaeology
Durovic, L., Slavonic Languages
Ejder, B., Swedish Language
Fehrman, C., History of Literature with Poetics
Gierow, P. G., Classical Archaeology and Ancient History
Hadding, K., Phonetics
Halldén, S., Theoretical Philosophy
Hermerén, G., Practical Philosophy
Holm, G., Scandinavian Philology
Holm, I., History of Literature, Drama
Odén, B., History
Reutersvärd, O., Art and Art Theory
Rosengren, I., German Language
Rudberg, S., Greek Language and Literature
Rystad, G., History
Sandström, S., Art History, especially Contemporary Art and Environment
Schaar, C., English Literature

Sigurd, B., General Linguistics
Södergård, Ö., Romance Languages
Stjernqvist, B., Archaeology
Svartvik, J., English Language
Vitestam, G., Semitic Languages

Faculty of Political and Social Sciences:
Adlercreutz, A., Commercial Law
Bjerstedt, Å., Pedagogics
Frank, O., Statistics
Hägerstrand, T., Geography
Israel, J., Sociology
Jörberg, L., Economic History
Kihlstedt, C., Business Administration
Kragh, U., Applied Psychology
Smith, G., Psychology
Ståhl, I., Economics
Stjernquist, N. N., Political Science
Södersten, B., International Economics
Thalberg, B., Economics
Törnqvist, G., Economic Geography
Wärneryd, O., Social Geography

Faculty of Mathematics and Natural Sciences:
Albertsson, P. Å., Biochemistry
Björk, S., Limnology
Björn, L. O., Botany
Brinck, P., Zoology
Dahl, E., Zoology
von Dardel, G., Physics
Edström, A., Zoophysiology
Elvius, T., Astronomy
Fröberg, C.-E., Numerical Analysis
Fronæus, S., Chemistry
Gårding, L., Mathematics
Gorbatschev, R., Geology and Mineralogy
Gronowitz, S., Chemistry
Hedin, L., Theoretical Physics
Hörmander, L., Mathematics
Johansson, G., Chemistry
Landin, B. O., Entomology
Lima-de-Faria, A., Molecular Cytogenetics
Lindman, B., Chemistry
Lundqvist, A., Genetics
Martinsson, I., Atomic Physics
Rapp, A., Geography
Regnéll, G., Geology
Runemark, H., Botany
Ryde, H., Cosmic and Subatomic Physics
Sunner, S., Thermochemistry
Svensson, B. E. Y., Theoretical Physics
Weibull, C., Microbiology

Faculty of Odontology:
Ahlgren, J., Orthodontics
Bratthall, D., Cariology
Egelberg, J., Paradontology
Glantz, P.-O., Prosthetics
Granath, L. E., Pedodontics
Omnell, K.-Å., Dental X-ray Diagnosis
Wallenius, K., Oral Surgery
Östlund, S., Dental Technology

Faculty of Technology:
Adamson, B., Building Science
Ahlmann, H., Industrial Management
Asplund, H., Architecture
Aurivillius, B., Inorganic Chemistry
Bjerninger, S., Transport Engineering
Blom, G., Mathematical Statistics
Borglin, S., Heat and Power Engineering
Broberg, B., Solid Mechanics
Brundell, P.-O., Electromagnetic Theory
Dahlqvist, A., Industrial Nutritional Science
Einarsson, G., Telecommunication Theory
Floberg, L., Machine Elements
Fénors, S., Physical Chemistry
Grimmeiss, H., Solid State Physics
Hallström, B., Food Engineering
Hertz, H., Electrical Measurements
Hillerborg, A., Building materials
Hulten, B., Town Planning
Jernqvist, Å., Chemical Engineering
Johansson, S., Nuclear Physics
Krantz, B., Building Function Theory
Kullberg, G., Production and Materials Engineering
Kvarnström, L., Architecture
Larsson, K., Food Technology
Lindh, G., Water Resources Engineering
Lindhagen, G., Traffic Planning and Engineering
Lundin, S. T., Chemical Technology
Löfgren, L., Automata and General Systems Sciences
Minnhagen, L., Physics
Molin, N., Technical Microbiology
Nevander, L.-E., Building Technology
Nilsson, S.-G., Mathematical Physics
Peetre, J., Mathematics
Pettersson, O., Structural Mechanics and Concrete Construction
Samuelson, S., Architecture
Smith, B., Technical Analytical Chemistry
Stigmark, L., Applied Electronics
Sundström, J., Machine Design
Thafvelin, H., Theoretical and Applied Aesthetics
Tyllered, G., Mechanical Theory of Heat and Fluid Mechanics
Uhlhorn, U., Mechanics
Wallin, S., Construction Management and Industrial Engineering
Wallström, B., Telecommunication Systems
Wickberg, B., Organic Chemistry
Åström, K. J., Automatic Control
Åström, K., Town Planning
Östberg, G., Engineering Materials
Östlund, L., Structural Engineering

HÖGSKOLAN I ÖREBRO
(University of Örebro)

BOX 923, S-701 30 ÖREBRO
Telephone: 019/14 01 00.
Founded 1967.

State control; Academic year: September to June.

Vice-Chancellor: Stefan Björklund.
Chief Administrative Officer: Åke Berglund.
Librarian: Margareta Hjelm.

Library of 60,000 vols.

Number of teachers: *c.* 190.
Number of students: *c.* 5,000.

Deans of Departments:

Mathematics and Natural Sciences: Per-Olof Schörling.
Business Administration: Göran Nilsson.
Economics: Walter Stervander.
Law: Marianne Alsne.
Politics and Public Administration: Bo Jonsson.
Social Work: Lars-Ebbe Hansson.
Sociology: Bernt Johansson.
Psychology and Education: Erik Börjesson.
Trainee Administration Unit: Harriet Björkquist.
Planning and Human Geography: Margareta Hassbring.
Data Analysis: Lennart Bodin.
Humanities: Lars Gustafsson.
Modern Languages: Jan Henrik Granberg.
Sports and Physical Training: Lennart Mattsson.
Training of Kindergarten Teachers and Leisure Organizers: Ludvig Lundgren.

STOCKHOLMS UNIVERSITET
(University of Stockholm)

FISKARTORPSVÄGEN 160,
S-10691 STOCKHOLM
Telephone: 15 01 60.

Founded 1877, became State University 1960.

Language of instruction: Swedish; Academic year: September to June.

President: Prof. S. Helmfrid.
Vice-President: H. Thornstedt.
University Director: R. Lindquist.
Head of Information: P. Idenstedt.

Library: *see* Libraries.

Number of teachers: 900, including 185 professors.

Number of students: 31,000.

Publications: *Katalog*† (annually), *Acta Universitatis Stockholmiensis*†.

Deans:

Faculty of Law: Prof. H. Thornstedt.
Faculty of Humanities:
History-Philosophy Section: Prof. I. Jonsson.
Language Section: Prof. G. Holmér.
Faculty of Social Sciences: Prof. O. Ruin.
Faculty of Natural Sciences:
Mathematics-Physics Section: Prof. G. Ekspong.
Chemistry Section: Prof. P. Kirkegaard.
Biology-Geography Section: Prof. T. Hemberg.

Professors:

Faculty of Law:
Anners, E., History of Law
Bernitz, U., Civil Law
Hellner, J., Insurance Law
Hjerner, L., International Law
Larsson, S., Judicial Procedure
Lodin, S.-O., Financial Law
Sigeman, T., Civil Law, with emphasis on Labour Law
Sundberg, J., General Jurisprudence
Thornstedt, H., Criminal Law
Vahlén, L., Civil Law
Werin, L., Political Economy
Westerberg, O., Public Law

Faculty of Humanities:
History-Philosophy Section:
Berefelt, G., Scandinavian and Comparative Art History
Bergqvist, B., Ancient Culture and Civilization
Furhammar, L., Film Science
Gram Holmström, K., Theatre Science
Hammarström, I., History
Hultkrantz, Å., History of Religions
Jonsson, I., General and Comparative Literature

Lindberger, Ö., Literary History with Poetics
Malmer, M., North-European Archaeology
Ofstad, H., Moral Philosophy
Prawitz, D., Theoretical Philosophy
Rehnberg, M., Scandinavian and Comparative Ethnology
Reuterswärd, P., Art History and Art Theory
Schück, H., History
Torstendahl, R., History
Waldekranz, R., Film Science

Language Section:

Amer, A., Arabic Language
Björk, L., English Language
Cho, S., Japanese Language
Elmevik, L., Scandinavian Languages
Geijerstam, R., Romance Languages
Holmér, G., Romance Languages, with emphasis on the French language
Hormia, O., Finnish Language and Culture
Korlén, G., German Language
Lienhard, S., Indology
Malmqvist, G., Sinology, with emphasis on the modern Chinese Language
Malmström, S., Swedish Language
Nilsson, N. Å., Slavonic Languages, with emphasis on Russian Language and Literature
Öberg, J., Latin Language and Literature
Rynell, A., English Language
Sigurd, B., General Linguistics
Sjöberg, A., Slavonic Languages

Faculty of Social Sciences:

Adamson, R., Economic History
Bohm, P., Political Economy
Helmfrid, S., Human and Economic Geography
Husén, T., International Pedagogics
Janson, C.-G., Sociology
Knutsson, K. E., Social Anthropology
Kragh, B., Political Economy, with emphasis on Business Cycle Research
Lindbeck, A., International Economics
Magnusson, D., Psychology
Malmquist, S., Statistics
Paulsson-Frenckner, T. B., Business Administration
Persson, L., Business Administration
Ruin, O., Political Science
Sveri, K., General Criminology
Trankell, A., Pedagogics
Östlind, A., Political Economy and Social Politics

Faculty of Natural Sciences:
Mathematics-Physics Section:

Bolin, B., Meteorology
Ekspong, G., Physics
Fischer-Hjalmars, I., Theoretical Physics
Lagerqvist, A., Physics
Laurent, B., Physics
Lech, C., Mathematics
Lindblad, P. O., Astronomy
Roos, J. E., Mathematics
von Bahr, B., Insurance and Mathematical Statistics

Chemistry Section:

Ernster, L., Biochemistry
Kierkegaard, P., Structural Chemistry
Lindberg, B., Organic Chemistry
Magnéli, A., Inorganic Chemistry
Vestin, R., Physical Chemistry

Biology-Geography Section:

Boman, H., Microbiology
Ehrenberg, A., Biophysics
Ehrenberg, L., Radiation Biology
Hemberg, Physiological T., Botany
Hessland, I., General and Historical Geology
Hoppe, G., Physical Geography
Lindberg, O., Experimental Zoology and Cytology
Lüning, K. G., Genetics
Ohlsson, R., Zoology
Wallis, B., Morphological Botany
Wickman, F., Mineralogy, Petrology and Geochemistry

Affiliated Institutes:

Centret för japan-studier (*Centre for Japanese Studies*): Fiskartorpsv. 160 F, 106 91 Stockholm; Exec. Sec. Jonas Engberg.

IES/Stockholm University Institute for English-speaking Students: Fiskartorpsv. 160 E, 106 91 Stockholm; Dir. Prof. Nils Andrén.

Institutet för internationell ekonomi (*Institute for International Economic Studies*): Fack, S-104 05 Stockholm; Dir. Assar Lindbeck.

Psykotekniska institutet (*Institute of Applied Psychology*): Fiskartorpsvägen 15, Box 5602, 114 86 Stockholm; Dir. Gunnar Borg.

Latinamerika-institutet (*Institute of Latin American Studies*): Fack, 102 30 Stockholm; Dir. Weine Karlsson.

The Stockholm Junior Year: Dean Fil. mag. B. Hellermark.

Swedish Language Courses: Dean Fil. lic. E. Nylund-Lindgren.

SVERIGES LANTBRUKSUNIVERSITET

(Swedish University of Agricultural Sciences)

S–750 07 UPPSALA
Telephone: (018) 10–20–00.

Founded 1977 by amalgamation of the former *Lantbrukshögskolan, Skogshögskolan,* and *Veterinärhögskolan.*

Rector: L. Hjelm, agr.d.

Vice-Rector: C. G. Schmiterlöw, m.d., vet.m.d.

Chief of Administration: G. Oscarsson.

Director of Library: L.-G. Sanner, fil.l.

Library: *see* Libraries.

Number of teachers: 277, including 62 professors.

Number of students: *c.* 2,500.

Publications: *Swedish Journal of Agricultural Research, Aktuellt från Lantbruksuniversitetet, Studia Forestalia Suecica*†, *Rapporter* (Reports); College of Veterinary Medicine: *Collected Papers, Catalogue, List of Publications, Students' Handbook* (annually).

Deans:

Faculty of Agriculture: Prof. U. Renborg.

Faculty of Forestry: Prof. G. von Segebaden.

Faculty of Veterinary Medicine: Prof. I. Månsson.

Professors:

(some professors serve in more than one faculty)

Faculty of Agriculture:

Carlsson, C. M., Horticultural Economics
Claesson, C. O., Animal Husbandry
Eriksson, S. S., Animal Nutrition
Fernqvist, I. B., Pomology
Folkesson, L.-G., Agricultural Marketing
Fredriksson, L. J. G., Radiobiology
Friberg, P.Å-., Landscape Architecture
Haraldson, L. Å., Farm Mechanization
Heinonen, R., Soil Management
Henriksson, R. A., Farm Buildings
Hjelm, K. G. L., Agricultural Economics
Håkansson, A., Agricultural Hydrotechnics
Jansson, S. L. H., Soil Fertility
Kristoffersen, T., Ornamental Gardening
Larsson, P. R., Plant Husbandry
Lindqvist, F. I., Inorganic Chemistry
Mac Key, J. F., Plant Breeding
Norén, A. B., Microbiology
Odén, N. F. S., Pedology
Ottosson, K. L., Vegetable Growing
Pettersson, J. G. P., Applied Entomology
Renborg, U. B., Agricultural Economics
Rönningen, K., Animal Breeding
Skage, O. R., Overhead Planning
Sperber, H. I. W., Animal Physiology
Steen, E. V., Environment Research and Ecology
Stenlid, G., Plant Physiology
Theander, O., Organic Chemistry and Biochemistry
Umaerus, V. R., Plant Pathology
Östergren, S. G., Genetics

Faculty of Forestry:

Ahlén, T. I., Forest Vertebrate Ecology
Andersson, S.-O., Forest Yield Research
Jonsson, B., Forest Management
Lekander, B., Forest Entomology
Lindeberg, G. G., Forest Mycology and Microbial Ecology
Lindgren, D. G., Forest Genetics
von Malmborg, G., Forest Economics
Matérn, B., Forest Biometry
Nylinder, P., Forest Products
von Segebaden, G. O. U., Forest Survey
Sirén, G., Reforestation
Staaf, A., Operational Efficiency I
Sundberg, U., Operational Efficiency II
Söderström, V., Silviculture
Tamm, C. O., Forest Ecology
Troedsson, T., Forest Soils

Faculty of Veterinary Medicine:

Bane, B. A. W., Obstetrics and Gynaecology
Dinter, Z., Virology
Ekman, L. G., Clinical Chemistry
Holtenius, P. H., Medicine for Ruminants
Lindahl, U. P. F., Medical and Physiological Chemistry
Månsson, I. M., Bacteriology and Epizootology
Nilsson, K. G. A., Pathology
Nilsson, T. E., Food Hygiene
Obel, N. J., Surgery
Olsson, S.-E., Clinical Radiology
Ronéus, O., Parasitology
Schmiterlöw, C. G., Pharmacology
Öberg, B. L. S., Physiology

UMEÅ UNIVERSITET
(Umeå University)

S-901 87 UMEÅ
Telephone: 090/16 50 00.
Founded 1963.

Rector: Prof. L. BECKMAN, PH.D.

Vice-Rector: Prof. U. ZACKRISSON, PH.D.

Head of Administration: L. O. MÅRDELL, LL.B.

Chief Librarian: K. SNELLMAN, PH.L.

Library: *see* Libraries.

Number of teachers: *c.* 400, including 78 professors.

Number of students: *c.* 8,500.

DEANS:

Faculty of Humanities: Prof. FOLKE NORDSTRÖM.

Faculty of Social Sciences: Prof. GEORG KARLSSON.

Faculty of Medicine: Prof. RUDOLF LEMPERG.

Faculty of Odontology: Prof. BO BERGMAN.

Faculty of Mathematics and Natural Sciences: Prof. ARNE CLAESSON.

PROFESSORS:

Faculty of Humanities:

BAUDOU, E., Archaeology
DAHLSTEDT, K.-H., General Linguistics
EDMAN, M., Philosophy of Science and Humanities
ELERT, C.-CH., Phonetics
ERIKSSON, G., History of Ideas and Science
FRIES, S., Scandinavian Languages
HANSEGÅRD, N. E., Lappish
LUNDKVIST, S., History
NORDSTRÖM, F., Arts
VON PLATEN, M., Literary History
SKOLD, T., Finnish Language
THUN, N., English

Faculty of Social Sciences:

BACK, P.-E., Social Science
BERGSTROM, S. S., Applied Psychology
BJÖRKMAN, M., Psychology
BYLUND, E., Geography
HENRYSSON, S., Pedagogics
KARLSSON, G., Sociology
OLSSON, U., Economic History
PUU, T., Economics
ZACKRISSON, U., Statistics

Faculty of Medicine:

AHLMARK, A., Hygiene
BERGMAN, F., Pathology
BLOOM, G., Histology
BOMAN, M., Child Psychiatry
DIAMANT, H., Oto-Rhino-Laryngology
EKSTEDT, J., Neurology
FALKMER, S. E., Pathology
GUSTAVSON, K. H., Paediatrics
HALLDÉN, U., Ophthalmology
HELANDER, H., Anatomy
HOLLUNGER, G., Pharmacology
HOLM, S., Clinical Bacteriology
JOELSSON, I., Obstetrics and Gynaecology
LANDGREN, S., Physiology
LEMPERG, R., Orthopaedic Surgery
LIDÉN, S., Dermatology and Venereology
LINDERHOLM, H., Clinical Physiology
LITTBRAND, B., Oncology
PAUL, K.-G., Medical Chemistry
PERRIS, C., Psychiatry
SALTZMAN, G. F., X-ray Diagnostics
TIBBLIN, G., Social Medicine
WAHLQVIST, L., Urology
WESTER, P. O., Medicine

Faculty of Odontology:

BEGRENHOLTZ, A., Paradontology
BERGMAN, B., Prosthetics
BERGMAN, M., Dental Technology
ERICSON, TH., Cariology
GRAHNÉN, H., Pedodontics
GUSTAFSON, G., Oral Histopathology
LYSELL, L., Orthodontics
ROSENQUIST, J., Dental Surgery
WELANDER, U., Dental Diagnostic Radiology

Faculty of Mathematics and Natural Sciences:

BÄCKSTRÖM, G., Physics
CEDERGREN, A., Analytical Chemistry
CLAESSON, A., Theoretical Physics
ELIASSON, L., Physiological Botany
HULTQVIST, B., Physics of Near Space
INGRI, N., Inorganic Chemistry
KINELL, P.-O., Physical Chemistry
KULLDORFF, G., Mathematical Statistics
LINDSKOG, S., Biochemistry
LØVTRUP, S., Zoophysiology
MÜLLER, K., Ecological Zoology
PETTERSSON, B., Ecological Botany
RAPPE, C., Organic Chemistry
RASMUSON, B., Genetics
RUHE, A., Information Processing
STENFLO, L., Theoretical Plasma Physics
WALLIN, H., Mathematics

UPPSALA UNIVERSITET
(University of Uppsala)

P.O.B. 256, 751 05 UPPSALA
Telephone: 018/155400.
Founded 1477.
Academic year: September to May.

Chancellor: H. LÖWBEER.

Rector: Prof. M. H. HOLMDAHL, M.D.

Vice-Rector: Prof. S. F. STRÖMHOLM, LL.D.

Chief of Administration: G. WIJKMAN, M.D.

Chief Librarian: T. TOTTIE.

Library: *see* Libraries.

Number of teachers: 600, including 180 professors.

Number of students: 18,000.

DEANS:

Faculty of Theology: Prof. E. T. KÄLLSTAD.

Faculty of Law: Prof. S. F. STRÖMHOLM.

Faculty of Medicine: Prof. G. DAHLSTRÖM.

Faculty of Arts: Prof. E. G. BRANDELL.

Historical-Philosophical Division: Prof. E. G. BRANDELL.

Linguistic Division: Prof. G. F. RUNDGREN.

Faculty of Social Science: Prof. G. ARPI.

Faculty of Science: Prof. D. C.-O. JACOBSON.

Mathematical-Physical Division: Prof. O. BECKMAN.

Biological-Geographical Division: Prof. H. B. LARSSON.

Chemical Division: Prof. L.-O. SUNDELÖF.

Faculty of Pharmacy: Prof. H. J. R. DAHLBOM.

PROFESSORS:

Faculty of Theology:

ANDRÉN, Å., Practical Theology
BERGMAN, J., History of Religions
HALLENCREUTZ, C. F., Missiology
HARTMAN, L., Exegesis
HOLTE, K. R., Ethics and Philosophy of Religion
JEFFNER, B. A. G., Theological and Ideological Studies
KÄLLSTAD, E. T., Psychology of Religion
MONTGOMERY, I., Church History
RIESENFELD, E. H., Exegesis
RINGGREN, H., Exegesis

Faculty of Law:

AGELL, A. L. G., Private Law
BERGSTRÖM, S. B., Private Law
BOMAN, J. R., Judicial Procedure
BRAMSTÅNG, N. Å. G., Public Law
GRAHL-MADSEN, A., International Law
INGER, G. J. A., Legal History
MATTSSON, N., Taxation
NELSON, A., Penal Law
OHLIN, G., Economics
STRÖMHOLM, S., Jurisprudence

Faculty of Medicine:

ANDÉN, N.-E., Pharmacology
BERFENSTAM, R. A. G., Social Medicine
BERGGREN, L., Ophthalmology
BILL, A., Physiology
BOHM, E., Neurosurgery
BOSTRÖM, J. H., Medicine
BÖÖK, J.-A., Medical Genetics
DAHLSTROM, G., Lung Medicine
DAHLHAMN, T., Hygiene
ENGSTRÖM, H. H. H., Oto-Rhino-Laryngology
ERICSSON, J., Pathology
FRISK, M., Child Psychiatry
GUNNE, G. L.-M., Psychiatry
HAGBARTH, K. E., Clinical Neurophysiology
HAMBRAEUS, L., Nutrition
HELLMAN, B. O. A., Anatomy
HIERTON, T. E. J., Orthopaedic Surgery
HOFVANDER, Y., International Child Health
HOLMDAHL, M., Anaesthesiology
JAKOBSSON, P. A., Oncology
JOHANSSON, E. D. B., Obstetrics and Gynaecology
JUHLIN, A. L. A., Dermato-Venereology
LAURELL, G., Clinical Bacteriology
LAURENT, T. C., Medical Chemistry
LODIN, H. W., X-Ray Diagnosis
LUNDBERG, P. O. M., Neurology
NILSSON, O., Anatomy
PONTÉN, J., Pathology
ROOS, B.-E., Psychiatry
SALDEEN, T., Forensic Medicine
SJÖLIN, S., Paediatrics
SJÖQUIST, J., Medical Chemistry
STRÖM, G. O. F., Clinical Physiology
THORÉN, L., Surgery
ULLBERG, S., Toxicology
VERDIER, C. H. A. O. DE, Clinical Chemistry
WERNER, I., Geriatrics
WESSLÉN, T. B., Virology
WIGZELL, H. L. R., Immunology
ÖBRINK, K. J., Physiology

Faculty of Arts:

I. Historical-Philosophical Division:

ALMGREN, B. O., Archaeology of Northern Europe
ANDRAE, C. G., History
BENGTSSON, L. I., Musicology
BERGSTRÖM, L. O., Practical Philosophy

- Brandell, E. G., Literature
- Brunnsåker, S., Cultural Life of Ancient Antiquity
- Carlsson, S. C. O., History
- Ellenius, A. M., Art
- Jacobson-Widding, H. A., Non-European Ethnology
- Kanger, S., Theoretical Philosophy
- Lindroth, S. H., History of Science and Ideas
- Nilsson, S. A., History
- Rooth, Anna B., European Ethnology
- Sharpe, E., History of Religions
- Säve-Söderbergh, T., Egyptology
- Stenström, T. O., Literature

II. Linguistic Division:

- Andersson, K. T. G., Scandinavian Languages
- Carlsson, N. L., Romance Languages
- Fryckstedt, O. W., American Literature
- Gustavsson, S. A., Slavic Languages
- Hermodsson, L. F. H., German Langauge
- Lundström, S. G., Latin Language and Literature
- Moberg, L. A., Scandinavian Languages
- Palm, J. W. J., Greek Language and Literature
- Rundgren, G. F., Semitic Languages
- Simonsson, N., Sanskrit and Comparative Indo-European Philology
- Söderlind, J., English Language
- Sorelius, E. G., English Language and Literature
- Wickman, B. N. V., Finno-Ugric Languages
- Widmark, G. M., Swedish Language
- Öhman, S. E. G., Phonetics

Faculty of Social Sciences:

- Arpi, G., Cultural Geography
- Bentzel, R. H., Economics
- Brehmer, B., Psychology
- Gustafsson, B., Economic History
- Dahllöf, U. S., Education
- Dureman, I., Psychology
- Himmelstrand, J. W. I., Sociology
- Jöreskog, K. G., Statistics
- Lewin, L., Political Science
- Mattsson, L.-G., Business Economics
- Ramström, D., Business Economics

Faculty of Science:

I. Mathematical-Physical Division:

- Beckman, O., Solid State Physics
- Båth, K. M., Seismology
- Carleson, L. A. E., Mathematics
- Domar, E. Y., Mathematics
- Esseen, C.-G. H., Mathematical Statistics
- Fischer, H. C. P., Solid Mechanics
- Fröman, P. O., Theoretical Physics
- Johansson, K. E. A., Nuclear Physics
- Karlsson, B. E., Physics
- Kreiss, H.-O., Information Analysis
- Liljequist, G. H., Meteorology
- Löwdin, P.-O., Quantum Chemistry
- Lundquist, S. A. S., Electricity with High Voltage Research
- Nordling, C. L. A., Nuclear and Molecular Physics
- Pleijel, Å. V. C., Mathematics
- Siegbahn, K. N. B., Physics
- Tyrén, H. E., High Energy Physics
- Westerlund, B. E., Astronomy

II. Chemical Division:

- Bergson, G., Organic Chemistry
- Claesson, S. M., Physical Chemistry
- Hjerten, W. E. S., Biochemistry
- Nygård, B. A. V., Analytical Chemistry
- Olovsson, O. I. G., Inorganic Chemistry
- Porath, L. O., Biochemistry

III. Biological-Geographical Division:

- Eriksson, E., Hydrology
- Eriksson, T., Physiological Botany
- Hedberg, K. O., Systematical Botany
- Jacobson, D. C. O., Morphology, Zoology
- Kullenberg, L. F. B., Entomology
- Kurland, C. G., Molecular Biology
- Lindahl-Kiessling, Kerstin M., Zoophysiology
- Philipson, C. L., Microbiology
- Ramberg, H., Mineralogy
- Reyment, R. A., History of Geology
- Rodhe, C. O. W., Limnology
- Sundborg, Å. O. F., Physical Geography
- Sjörs, H. M., Ecological Botany
- Ulfstrands, Zoology

Faculty of Pharmacy:

- Dalhbom, J. R., Organic Pharmaceutical Chemistry
- Danielsson, H., Pharmaceutical Biochemistry
- Sandberg, F., Pharamacognosy
- Sandell, E., Galenical Pharmacy
- Schill, G., Analytical Pharmaceutical Chemistry
- Sköld, O., Pharmaceutical Microbiology
- Terenius, L., Pharmaceutical Pharmacology
- Ullberg, S., Toxicology
- Ågren, A., Inorganic and Physical Chemistry

HÖGSKOLAN I VÄXJÖ
(University of Växjö)

351 01 VÄXJÖ

Telephone: 0470/81000.

Founded 1967.

Rector: Prof. Hans Wieslander.
Registrar: Lars Wrååk.
Chief Librarian: Fredrik Liepe.

Library of 50,000 vols.
Number of teachers: 60.
Number of students: 1,500.

Professors:

- Andersson, S., French
- Apelkrans, M., Information Processing
- Carlsson, B., Education
- Dahmström, P., Statistics
- Dunås, R., Scandinavian Languages
- Hydén, H., Commercial Law
- Johannisson, B., Business Administration
- Johansson, E., German
- Larsson, L.-O., History
- Mjöberg, J., History of Literature
- Mullaert, A., Sociology
- Niklasson, H., Economics
- Norborg, K., Geography
- Seltén, B., English
- Tengstrand, A., Mathematics
- Wieslander, H., Political Science

OTHER INSTITUTES OF UNIVERSITY STANDING

General:

Högskolan i Borås (*Borås College*): P.O.B. 55 067, 500 05 Borås; f. 1977 after reorganization.

Rector: Nils-Bertil Faxén.
Secretary: Ulf Bohman.
Librarian: Kerstin Quentzer.

Library of 50,000 vols.

Deans:

Swedish National Institute of Librarianship: Nils Fredén.
Pre-School Teacher Training Institute: John Hammar.

Art:

Konstfackskolan (*Swedish State College of Arts and Design*): P.O.B. 27 117, Valhallavägen 191, 102 52 Stockholm 27; f. 1844.

Principal: Gunilla Lagerbielke.
Headmaster of the Training College for Art Teachers: G. Nordström.

Number of teachers: 175.
Number of students: 1.000.

Konsthögskolan (*Academy Art School*): Fredsgatan 12, Box 16 317, 103 26, Stockholm; f. 1735.

Director: Sven Ljungberg.
Secretary: Björn Bergman.
Library Assistant: K. Johansson.

Number of students: 260.

Publications: *Konsthögskolans Timplan, Konsthögskolan Elevkatalog.*

Professors:

- Bejemark, K. G., Sculpture
- Bergmark, T., Theory of Modern Art
- Dahl, P., Painting
- Hallström, B. H., Artistic Materials and Conservation
- Jansson, A., Painting
- Lindahl, G., History of Swedish Architecture, Comparative Architectural History
- Pallarp, Å., Painting
- Sjöstrom, John, Architecture
- Stenqvist, N. G., Graphic Arts and Design
- Viksten, H., Painting
- Östmar, T., Drawing

Economics:

Handelshögskolan i Stockholm (*Stockholm School of Economics*): Box 6501, 113 83 Stockholm; Tel. 08/736 01 20; f. 1909; Private.

Rector: P.-J. Eliaeson.
Director of Administration: R. Linné.
Librarian: B. Janson.

Library: *see* Libraries.

Number of teachers: 69, including 15 professors.

Number of students: 1,941.

Professors:

- Alexandersson, G., International Economic Geography
- Burenstam Linder, S., International Economics
- Claeson, C.-Fr., Economic Geography
- Dahmén, E., Economics, Economic and Social History
- Johansson, S.-E., Business Administration
- Jungenfelt, K.-G., Economics
- Karnell, G., Legal Science
- Kristensson, F., Business Administration
- Mäler, K.-G., Economics
- Näslund, B., Business Administration
- Persson, S., Economic Information Processing
- Rodhe, K., Legal Science
- Ruist, E. H., Statistics and Economics

Sjöstrand, S.-E., Business Administration
Stymne, B., Organizational Theory
Thorburn, T., Business Administration
Wärneryd, K.-E., Economic Psychology

Affiliated Institute:

Ekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Economic Research Institute at the Stockholm School of Economics*): Sveavägen 65, Stockholm; f. 1929; scientific research in management science and economics; 80 research fellows; Dir. Prof. Wärneryd; publs. *EFI News*, reports, working papers.

Medicine:

Karolinska Institutet: Solnavägen 1, 104 01, Stockholm; Tel. 34-05-60; f. 1810.

Rector: B. Pernow.
Vice-Rector: A. G. Ljungqvist.
Head of Administration: Margareta Almling.
Librarian: H. Baude.

Library: *see* Libraries.

Number of teachers: 750, including 130 professors.

Number of students: 3,667.

Publications: *Computerized Publication Register* (information on all publs. issued by the Institute), *Curriculum, Students' Handbook*.

Deans:

Faculty of Medicine: Prof. B. I. Samuelsson.
Faculty of Odontology: Prof. C. O. Henrikson.

Professors:

Faculty of Medicine:

Allander, E., Social Medicine
Andersson, B. E., Physiology
Andersson, K. L., Urology
Barr, B. O., Clinical Audiology
Bengtsson, E. I., Infectious Diseases
Bergstrand, A. F., Pathology
Bergström, S. K. D. Chemistry
Bertani, G., Microbiological Genetics
Birke, G., Medicine
Biörck, C. G. W., Medicine
Björk, V. O., Thoracic Surgery
Blomstrand, R. L., Clinical Chemistry
Blombäck, G. E. B., Coagulation Research
Borell, U. S. M., Obstetrics and Gynaecology
Broberger, C. G. O., Paediatrics
Bygdeman, M. A., Obstetrics and Gynaecology
Böttiger, L. E. J., Medicine
Brodin, H., Physiotherapy
Brody, S. S., Obstetrics and Gynaecology
Carlson, L. A. F., Medicine
Celada, F., Immunology
Cronholm, L. B., Psychiatry
Drettner, O. B., Oto-Rhino-Laryngology
Edström, J. E., Histology
Einhorn, J., Radiotherapy
Ekblom, B. T., Exercise Physiology
Elfvin, L.-G., Anatomy
Engfeldt, B. O., Pathology
Engström, A. V., Medical Physics
Ericsson, H. M., Clinical Bacteriology
von Euler-Chelpin, C. L. U., Brain Research
Fagraeus-Wallbom, A. E. H. H., Immunology
Frankenhaeuser, C. B., Neurophysiology
Franksson, L. E. C., Surgery
Friberg, L. T., Hygiene
Fuxe, K. G., Histology
Granholm, L. G., Neurosurgery
Grant, N. G., Anatomy
Greitz, T. V. B., Neuroradiology
Grillner, S. E., Exercise Physiology
Gullberg, K. R., Medicine (Rheumatology)
Gustafsson, B. E., Germ-Free Research
Hallberg, D. K., Surgery
Hanngren, S. Å. G., Medicine-Pulmonary Medicine
Hedén, C.-G., Bacteriology
Holme, T. E. B., Bacteriology
Hultman, E. H., Clinical Chemistry
Ideström, C.-M., Clinical Alcohol and Narcotic Research
Ivemark, B. I., Paediatric Pathology
Jacobson, N. B., Medical Technology
Jansson, B. I., Psychiatry
Klein, E., Tumour-Biology
Klein, G., Tumour-Biology
Kugelberg, E. K. H., Neurology
Lagerlöf, B. A. M., Pathology
Lidberg, L. G., Social and Forensic Psychiatry
Lindblom, U. F., Neurology
Lindsten, J. E., Medical Genetics
Lindström, B., Medical Physics and Statistics
Ljungqvist, A. G., Pathology
Luft, R., Endocrinology
Moberger, J. G. V., Tumour Pathology
Mutt, V., Biochemistry
Möller, L. G., Immunobiology
Nilzén, Å., Clinical Dermatological Allergology
Nordenström, B. E. W., X-ray Diagnostics
Norlander, O. P., Anaesthesiology
Norman, A. J., Clinical Chemistry
Norrby, E. J. C., Virus Research
Nylander, I., Child and Youth Psychiatry
Nylander, P. G., Surgery
Olerud, S. E., Orthopaedic Surgery
Olsson, P. I., Experimental Surgery
Orrenius, S. G., Forensic Medicine
Ottoson, D. H. R., Physiology
Pernow, B. B., Clinical Physiology
Piscator, E. M., Hygiene
Reichard, P. A., Biochemistry
Révész, L., Tumour Biology
Rhodin, A. G. J., Anatomy
Ringertz, N. R., Medical Cell Genetics
Rosell, B. S., Pharmacology
Rudhe, U.-G., X-ray Diagnostics
Samuelsson, B. J., Medical and Physiological Chemistry
Sedvall, C. G., Experimental Psychiatry
Sevastikoglou, J., Orthopaedic Surgery
Sjöqvist, F. G. F., Clinical Pharmacology
Sjövall, J. B., Medical Chemistry
Stjärne, P. L., Physiology
Tengroth, B. M., Ophthalmology
Thomasson, B. H., Paediatric Surgery
Thorell, B. G., Pathology
Thyresson, N., Dermatology and Venereology
Tribukait .B., Medical Radiobiology
Tunevall, T. G., Clinical Bacteriology
Ungerstedt, C. U., Neuropsychopharmacology
Unvas, B. K. M., Pharmacology
Wahren, J., Clinical Physiology
Walstam, R. Radiophysics
Wersäll, J. O., Oto-Rhino-Laryngology
Westöö, M. G. V., Toxicological Chemistry
Wettenberg, C. L. E., Psychiatry
Widén, J. O. L., Clinical Neurophysiology
Winberg, J., Paediatrics
Zetterberg, A. H. D., Pathology, Tumour Cytology
Zetterström, R. O. F., Paediatrics
Zetterström-Karpe, T. B., Ophthalmology
Åstrand, K. P.-O., Exercise Physiology
Änggård, E. E., Experimental Alcohol and Narcotics Research

Faculty of Odontology (Tandläkarhögskolan i Stockholm):

Edwall, L. G. A., Endodontics
Ericsson, S. G., Stomatognathic Physiology
Frostell, G., Cariology
Hammarström, L. E., Oral Pathology
Henrikson, C. O., Dental Roentgenology
Holmstedt, B. R., Pharmacology
Lockowandt, P. L. O., Dental Technology
Lundström, A., Orthodontics
Nord, C.-E., Oral Microbiology
Nordenram, F. Å., Oral Surgery
Söder, P.-Ö., Periodontology
Söremark, R., Prosthetics
Welander, E., Pedodontics

Music:

Musikhögskolan i Göteborg: Ekmansg. 7, 41256 Gothenburg; f. 1971.

President: Gunnar Sjöström.
Secretary: Håkan Dahl.
Librarian: Charlotta Ström.

Number of teachers: 58.
Number of students: 186.

Musikhögskolan i Malmö: Fridhemsvägen 2, S-217 74 Malmö; f. 1971.

Rector: Gunnar Sjöqvist.

Number of teachers: 60.
Number of students: 225.

Musikhögskolan i Stockholm (*State College of Music, Stockholm*): Valhallavägen 103-109, 115 31 Stockholm; f. 1771.

Principal: Prof. I. Gabrielsson.
Director of Studies: Bengt Holmstrand.

Number of teachers: 102, including 2 professors.

Number of students: 440.

Valands Konstskola: Fack, S-400 70 Gothenburg; f. 1865.

President: Jan Forsberg.
Secretary: Karin Lindberg.

Number of professors: 3.
Number of students: 50.

Physical Education:

Gymnastik- och Idrottshögskolan (*Physical Education Institute*): Box 923, 70130, Örebro; f. 1966; library of 3,500 vols.; 20 teachers, 200 students; Rector Lennart Mattsson.

Gymnastik- och Idrottshögskolan i Stockholm (*College of Physical Education in Stockholm*): Lidingövägen 1, S-114 33 Stockholm; f. 1813; library of 13,000 vols.; 50 teachers, 250 students; Rector Stina Ljunggren.

SWITZERLAND

Population 6,297,000

LEARNED SOCIETIES

Agriculture and Veterinary Science

Fédération des Sociétés d'Agriculture de la Suisse Romande: Ave. des Jordils 3, Case postale, CH-1000 Lausanne 6; f. 1881; 28,000 mems.; library of 200 vols.; Sec. D. Grosclaude; publs. *Revue suisse de viticulture et d'arboriculture*, *Revue suisse d'agriculture*.

Gesellschaft Schweizerischer Landwirte (*Swiss Agricultural Society*): Universitätstrasse 2, 8006 Zürich; f. 1885; 1,100 mems.; Pres. St.R. H. Herzog; Sec. Prof. J. Nösberger; publ. *Schweizerische Landwirtschaftliche Monatshefte*.

Gesellschaft Schweizerischer Tierärzte—Société des Vétérinaires Suisses: Elfenstrasse 18, 3000 Berne 16; f. 1813; 1,030 mems.; Pres. Dr. J. Kennel; Sec.-Gen. H. de Gendre; publs. *Schweizer Archiv für Tierheilkunde* (monthly), *G.S.T. Bulletin SVS* (monthly).

Architecture and Town Planning

Bund Schweizer Architekten—Fédération des Architectes Suisses: Hotelgasse 1, 3011 Berne; 329 mems.; Pres. A. Tschumi; publs. *Schweizer Baukatalog*, *Werk*.

Schweizer Heimatschutz (*Swiss National Trust*): Postfach, 8042 Zürich; Pres. Councillor Arist Rollier; publs. *Heimatschutz* (French and German, quarterly), *Il nostro paese* (Italian, six times a year).

Société Suisse des Ingénieurs et des Architectes: Selnaustrasse 16, 8039 Zürich; f. 1837; 7,400 mems.; Pres. A. Cogliatti; Gen. Sec. Dr. U. Zürcher; publs. *Schweizerische Bauzeitung*, *Bulletin technique de la Suisse romande*, *Rivista tecnica della Svizzera italiana*.

The Arts

Arbeitsgemeinschaft Schweizer Grafiker: Weinbergstrasse 11, 8001 Zürich; f. 1972; 500 mems.; Pres. Michael Baviera, Rolf Vogt, Ernest Wirz; publ. *idée . . . à jour* (every 2 months).

Association Syndicale des Peintres, Sculpteurs, Dessinateurs et Artisans d'Art de Genève: Musée Rath, 14 rue Etienne Dumont, Geneva; Pres. Louis Schwaiger; Sec. Charles Fontanez.

Fondation Hindemith: c/o M. M. Décombaz, 40 rue du Simplon, 1800 Vevey; f. 1968 to promote and cultivate music, in particular contemporary music; to maintain the musical and literary heritage of Paul Hindemith; to encourage research in the field of music and diffusion of research results; archives in Hindemith Institute, Untermainkai 14, 6 Frankfurt, Fed. Rep. of Germany; Pres. Dr. Arno Volk (Mainz); Vice-Pres. Dr. K. H. Schober (Washington); publs. *Hindemith General Original Edition*, *Les Annales Hindemith*, *Frankfurter Studien*.

Gesellschaft für Schweizerische Kunstgeschichte: Dalmazirain 11a, Berne, and Münzgasse 16, Basle; f. 1880; 11,100 mems.; Pres. Lucie Burckhardt; publs. *Die Kunstdenkmäler der Schweiz*, *Schweiz. Kunstführer*, *Mitteilungsblatt "Unsere Kunstdenkmäler"*†, *Beiträge zur Kunstgeschichte der Schweiz*, *Kunstführer durch die Schweiz*.

Gesellschaft Schweizerischer Maler, Bildhauer und Architekten—Société des Peintres, Sculpteurs et Architectes Suisses: Münzgraben 6, 3000 Berne; f. 1865; 742 active mems.; Pres. Wilfrid Moser; Vice-Pres. Franz Steinbrüchel; Sec. Georg Krneta; publs. *Schweizer Kunst*, *Art Suisse*, *Arte Svizzera*.

Kunstverein St. Gallen: Katherinengasse 11, CH-9000 St. Gallen; f. 1827; 789 mems.; Pres. H. Müller; Sec. Ch. Kalthoff.

Schweizerische Musikforschende Gesellschaft: 23 Sonnenweg, Basle; f. 1916; 540 mems.; Pres. Prof. Ernst Lichtenhahn; Sec. Dr. Jürg Stenzl.

Schweizerischer Musikerverband: Elisabethenstrasse 2, 4051 Basle; f. 1914; an organization of Swiss professional musicians; branches in 10 localities; 1,567 mems.; Pres. H. Heusi; Sec. Dr. P. Kuster; publ. *Schweizer Musikerblatt* (monthly).

Schweizer Musikrat—Conseil Suisse de la Musique: P.O.B. 2054, CH 4001 Basle; f. 1964; mem. of the CIM of UNESCO; membership of various musical organizations; Pres. Klaus Linder; Sec. Elisabeth Küng; publ. *Guide for Musical Studies in Switzerland*.

Schweizerischer Tonkünstlerverein—Association des Musiciens Suisses: Ave. du Grammont 11 bis, 1000 Lausanne 13; f. 1900; 680 mems.; Pres. Julien-François Zbinden (Lausanne); Sec. Bernard Geller; publs. *Revue Musicale Suisse* (bi-monthly), *Tendances et Réalisations*.

Schweizerischer Werkbund: Weinbergstrasse 11, 8001 Zürich; f. 1913; 800 mems.; Pres. Daniel Reist; publ. *Werk-archithese* (monthly).

Schweizerisches Institut für Kunstwissenschaft—Institut Suisse pour l'Etude de l'Art: Waldmannstrasse 6-8, 8001 Zürich; f. 1951; registration of Swiss works of art—studies in art and technology; 1,500 mems.; library of 25,000 books, 35,000 reproductions; Pres. Dr. Hans Lacher; Dir. Dr. Hans A. Lüthy; Archives, Hansjakob Diggelmann; Conservation and Restoration, Emil Bosshard; Publications and Library, Dr. Hans Christoph von Tavel; publs. *Jahresbericht*, *Jahrbuch*, catalogues of Swiss artists and collections, Technological Reports, etc.

Société Académique: Université de Neuchâtel, Neuchâtel; f. 1889; 308 mems.; Pres. Andre Jacopin; Vice-Pres. Jean Rychner.

Société des Arts: Athénée, Geneva; f. 1776; 1,400 mems.; Pres. Eugene Nussbaum.

Société Suisse de Pédagogie Musicale: Forchstrasse 376, 8008 Zürich; f. 1893; 2,850 mems.; Pres. Werner Bloch; Sec. Hanna Brandenberger; publs. *Feuillets suisses de pédagogie musicale*, *Bulletin mensuel SSPM*, *Agenda du musicien*.

Bibliography and Library Science

Mechanlizenz (*Swiss Society for Mechanical Rights*): 82 Bellariastrasse, 8038 Zürich; f. 1923; 1,890 mems.; Pres. Heinrich Sutermeister.

Schweizerische Bibliophilen-Gesellschaft: 3 Zwingliplatz, 8001 Zürich; f. 1921; 700 mems.; Pres. Dr. Conrad Ulrich; publs. *Stultifera Navis* 44-57, *Librarium* 58-(three times a year).

SUISA Schweizerische Gesellschaft für Urheberrechte an Musik-Aufführungen und -Sendungen (*Swiss Music Copyright Association*): 82 Bellariastrasse, 8038 Zürich; f. 1942; 2,300 mems.; Pres. Mario Zavadini; Dir. Dr. U. Uchtenhagen; publ. *Schweizerische Musikzeitung* (bi-monthly).

Vereinigung Schweizerischer Archivare (*Association of Swiss Archivists*): Falkenplatz 4, 3012 Berne; f. 1922; lectures, discussions, etc., concerning archive work; 153 mems.; Pres. Laurette Wettstein; publ. *Mitteilungen*.

Vereinigung Schweizerischer Bibliothekare (*Association of Swiss Librarians*): Hallwylstrasse 15, CH-3003 Berne; f. 1897; 1,037 mems.; Pres. Hans Baer; Sec. Dr. W. Treichler; publ. *Nachrichten* (six a year).

Economics, Law and Politics

Association Suisse de Science Politique (*Swiss Political Science Association*): Forschungsstelle für Politische Wissenschaft, Münstergasse 9, 8001 Zürich; f. 1959; 450 mems.; Pres. Prof. Daniel Frei; Vice-Pres. Prof. Ernest Weibel; Exec. Sec. Kurt Nüssli; publs. *Annuaire Suisse de Science Politique* (annually), *Année Politique Suisse* (annually).

Eidgenössisches Statistisches Amt (*Federal Bureau of Statistics*): Hallwylstrasse 15, 3003 Berne; f. 1862; for production and publications of statistics; library of 200,000 vols.; Dir. Jean-Jaques Senglet, ph.d.; publs. *Statistical Yearbook*, *Swiss Bibliography of Statistics and Economics*.

Gottlieb Duttweiler Institute for Economic and Social Studies: Langhaldenstrasse, 8803 Rüschlikon/Zürich; f. 1946; independent, but part of the Green Meadow Foundation; library of 5,000 vols. and 500 periodicals; Pres. Rudolf Suter; Dir. Hans A. Pestalozzi; publs. *gdi-information*, occasional publications.

Schweizerische Gesellschaft für Aussenpolitik—Association Suisse de Politique Etrangère: Stapferhaus, Schloss, 5600 Lenzburg; f. 1968; 270 mems.; Pres. Dr. Felix Schnyder; Sec. M. Begert.

Schweizerische Vereinigung für Internationales Recht—Société Suisse de Droit International: P.O.B. 690, 8027 Zürich; f. 1914; 220 mems.; Pres. Prof. Dr. F. Vischer (Basle); Sec. Dr. P. M. Gutzwiller; publ. *Swiss Yearbook for International Law*.

Schweizerischer Anwaltsverband (*Swiss Bar Association*): Strassburgstrasse 15, P.O.B. 281, 8036 Zurich; f. 1898; 2,600 mems.; Pres. Dr. Gis Hochstrasser; Sec. Dr. Max P. Oesch; publ. *Mitteilungen*.

Schweizerischer Juristenverein—Société suisse des juristes: Tribunal fédéral, Lausanne; f. 1861; 2,800 mems.; Pres. Fritz Gygi.

Schweizerischer Notaren-Verband—Fédération des Notaires de Suisse: Läuferplatz 6, 3000 Berne; f. 1920; 1,300 mems.; Pres. Ery Charles Laubscher; Sec. Alfred Gerber.

Zentrale für Wirtschaftsdokumentation (*Economic Documentation Centre*): 8032 Zürich, Apollostrasse 2; f. 1910; attached to the University of Zurich; large world-wide collection of annual reports and accounts of the main companies; daily newspapers, magazines and statistical material available.

Education

Centre Suisse de Documentation en Matière d'Enseignement et d'Education (*Swiss Documentation Centre for Educational Matters*): Palais Wilson, 1211 Geneva 14; f. 1962; to inform Swiss and foreign services on questions concerning teaching and education in Switzerland; the centre is the secretariat of the Swiss Conference of Cantonal Directors of Education; publs. *Bibliographie pédagogique suisse*†, *Bulletin*, *Politique de l'éducation* (annual), *Bulletin d' information de la CDIP*, *Statistique scolaire suisse*.

Institut Romand de Recherches et de Documentation Pédagogiques: Faubourg de l'Hôpital 43-45, CH-2000 Neuchâtel; f. 1969; co-ordination of documentation and research for French-speaking Switzerland, research in educational methods, organization and administration; 18 mems.; library of 10,600 vols.; Pres. F. Jeanneret; Dir. J. A. Tschoumy; publs. *Coordination*, *Liste des acquisitions*, reports, textbooks.

Schweizerische Hochschulkonferenz—Conférence Universitaire Suisse: Wildhainweg 21, 3012 Berne; f. 1969; co-ordination of Swiss universities and institutes of higher education; 34 mems. representing cantons, polytechnics, National Union of Students, etc.; Pres. F. Jeanneret; Sec.-Gen. R. Deppeler; publs. *Rapport annuel*, articles in *Politique de la science* (4–6 times annually).

Schweizerische Zentralstelle für Hochschulwesen (*Central Office of the Swiss Universities*): Sophienstrasse 2, 8032 Zürich; f. 1920; information service on Swiss and foreign universities, university teacher and student exchange, secretariat of the Conference of Swiss University Rectors and of the Federal Committee for Scholarships to Foreign Students; Sec. Prof. Dr. Andreas Miller.

Vereinigung Schweizerischer Hochschuldozenten—Association suisse des professeurs d'université: Sophienstrasse 2, 8032 Zürich; 1,450 mems.; Pres. Prof. Dr. R. Wildbolz; Sec. Prof. Andreas Miller.

History, Geography and Archaeology

Allgemeine Geschichtforschende Gesellschaft der Schweiz—Société Generale Suisse d'Histoire: Stadt- und Universitätsbibliothek, Münstergasse 61, CH-3000 Berne 7; f. 1841; 916 mems.; Pres. Prof. Dr. E. Roulet; publs. *Schweizerische Zeitschrift für Geschichte*†, *Bulletin AGGS*, *Quellen zur Schweizergeschichte*.

Antiquarische Gesellschaft: Predigerplatz 33, 8001 Zürich; f. 1832; 560 mems.; Pres. Dr. B. Schneider; publs. *Mitteilungen der Antiquar, Gesellschaft*†, *Urkundenbuch der Stadt und Landschaft Zürich*.

Geographisch-Ethnographische Gesellschaft Zürich: ETH, Hönggerberg, 8093 Zürich; f. 1889; 559 mems.; Pres. Prof. E. Spiess; Sec. A. Schäppi; publs. *Mitteilungen 1899–1945*, *Geographica Helvetica*†.

Geographisch-Ethnologische Gesellschaft Basel: Klingelbergstrasse 16, CH-4056 Basle; f. 1923; 625 mems.; Pres. Dr. H.-U. Sulser; Sec. Dr. W. Leimgruber; publs. *Regio Basiliensis*† (6-monthly), *Basler Beiträge zur Geographie*†, *Basler Beiträge zur Ethnologie*† (irregular).

Geographische Gesellschaft Bern: Sulgenbachstrasse 43, 3000 Berne; f. 1873; 430 mems; Pres. Dr. M. Hohl; Sec. M. Winiger; publ. *Jahresbericht der Geographischen Gesellschaft Bern*.

Historisch-Antiquarischer Verein Heiden: 9410 Heiden; f. 1874; concerned with the maintenance and preservation of fabrics, furniture, armour, coins, etc., of historical interest; Pres. E. Niederer.

Historische und Antiquarische Gesellschaft zu Basel: Universitätsbibliothek, Schönbeinstrasse 20, Basle; f. 1836; 750 mems.; library contains 20,000 vols.; Pres. Dr. Paul Boerlin; Sec. Dr. Christoph Jungck; publ. *Basler Zeitschrift für Geschichte und Altertumskunde*†.

Historischer Verein des Kantons Bern: Stadt- und Universitäts-bibliothek, Münstergasse 61, CH-3000 Berne 7; f. 1847; Pres. Dr. H. Michel; publs. *Archiv des Historischen Vereins*†, *Berner Zeitschrift für Geschichte und Heimatkunde*†.

Institut d'Etudes du Développement: 24 rue Rothschild, 1202 Geneva; f. 1960; lectures, seminars on African history, Middle Eastern and Latin American studies, intercultural relations, Switzerland-Third World economic relations; Dir. Roy Preiswerk; 27 teachers; library of 12,500 vols.; publ. *Geneva-Africa*† (2 a year), *Les Cahiers de l'IED.*

Opera Svizzera dei Monumenti d'Arte: (Ticino office) Casa del Negromante, Via Borghese 14, 6600 Locarno; f. 1963; to gather and publish material on the Ticino area; 10,000 mems.; Pres. F. Caccia; Dir. V. Gilardoni; publ. *Archivo Storico Ticinese, Arte e monumenti della Lombardia prealpina, Die Kunstdenkmäler der Schweiz: Ticino, Ticinensia.*

Schweizerische Gesellschaft für Kartographie: Gutenbergstr. 27, CH-3011 Berne; f. 1969; 195 mems.; Pres. K. Ficker; Sec. Dr. E. Gächter.

Schweizerische Gesellschaft fur Ur- und Frühgeschichte: Rheinsprung 20, CH-4000 Basle; 3,000 mems.

Schweizerische Heraldische Gesellschaft—Société suisse d'Héraldique: Lützelmattstrasse 4, CH-6006 Lucerne; f. 1891; 500 mems.; Pres. Joseph M. Galliker; Sec. Louis Mühlemann; publs. *Annuaire* (Yearbook), *Archivum Heraldicum* (2 a year).

Schweizerische Numismatische Gesellschaft—Société suisse de numismatique: Stadt- und Universitätsbibliothek, Münstergasse 61, CH-3000 Berne 7; 800 mems.; Pres. H.-U. Geiger; Sec. E. Tobler; publs. *Schweizer Münzblätter, Gazette suisse de numismatique*†, *Schweizerische Numismatische Rundschau, Revue suisse de numismatique*†, *Schweizer Münzkatalog.*

Schweizerische Vereinigung für Altertumswissenschaft—Association suisse pour l'étude de l'antiquité: Klass.-Phil. Seminar, Florhofgasse 11, 8001 Zürich; 98 mems.; Pres. Prof. Walter Burkert; Sec. Dr. Christoph Schäublin.

Società Storica Locarnese: Casa del Negromante, Via Borghese 14, 6600 Locarno; f. 1955; collection and conservation of documents relating to the history of the Locarno area, organizes exhibitions and lectures; 100 mems.; Pres. Prof. V. Gilardoni; Sec. M. Bacilieri.

Société de Géographie de Genève: Palais de l'Athénée, Geneva; f. 1858; 200 mems.; publ. *Le Globe.*

Société d'Histoire et d'Archéologie: c/o Bibliothèque Publique et Universitaire, Geneva; f. 1838; 400 mems.; library contains 10,000 vols.; 1,000 MSS.; Pres. Prof. Jean-Daniel Candaux; Sec. Marc Neuenschwander; publs. *Bulletin* (annual), *Mémoires e Documents.*

Société d'Histoire de la Suisse Romande: University Library, Palais de Rumine, Lausanne; f. 1837; 330 mems.; Library: *see* Bibliothèque Cantonale et Universitaire de Lausanne; Pres. Lucienne Hubler; publs. *Mémoires, Documents.*

Société vaudoise d'histoire et d'archéologie: Archives Cantonales, 47 rue du Maupas, 1004 Lausanne; f. 1902; 900 mems.; Pres. P.-L. Pelet; publ. *Revue Historique vaudoise* (annual).

Vereinigung der Freunde antiker Kunst—Association suisse des amis de l'art antique: Spalentorweg 52, 4000 Basle; f. 1956; 750 mems.; Pres. Prof. Karl Schefold; publ. *Antike Kunst.*

International Cultural Institutes

Dänisches Institut für Information und kulturellen Austausch: Gotthardstrasse 21, 8002, Zürich; branch of Det Danske Selskab, Copenhagen.

Schweizerische Akademische Gesellschaft der Anglisten—Société suisse d'études anglaises: Flurhofstr. 88, St. Gallen; f. 1947; 36 mems.; Pres. Prof. Raymond Tschumi; publ. *Swiss Information Sheets* (2 a year).

Schweizerische Gesellschaft für Asienkunde—Société suisse d'études asiatiques: Sekretariat, Ostasiatisches Seminar, Universität, Mühlegasse 21, 8001 Zürich; f. 1947; 200 mems.; Pres. R. P. Kramers; publs. *Asiatische Studien/Etudes Asiatiques* (twice yearly).

Schweizerische Gesellschaft für Skandinavische Studien: Deutsches Seminar der Universität Zürich, Abteilung für Nordische Philologie, Pestalozzistrasse 50, 8032 Zürich; f. 1961; 150 mems.; Pres. Prof. Dr. O. Bandle; Sec. Dr. Walter Baumgartner; publ. *Beiträge zur nordischen Philologie*† (vol V).

Société suisse des Américanistes—Schweizerische Amerikanisten-Gesellschaft: 65-67 blvd. Carl-Vogt, 1205 Geneva; f. 1949; 150 mems.; Pres. André Jeanneret; Sec.-Gen. Marguerite Paranhos da Silva; publ. *Bulletin*† (annual).

Swiss-American Society for Cultural Relations: c/o Swiss Credit Bank, P.O.B. 8021, Zürich; f. 1940; lectures and activities concerned with Swiss-American relations; 320 mems.; Pres. Dr. E. K. Stämpfli; Sec. H. L. Davatz.

Language and Literature

Basle Centre of the International P.E.N.: Nidwaldnerstrasse 45, 4055 Basle; f. 1932; 152 mems.; Pres. Dr. Dieter Fringeli; Sec. (vacant); publ. *Annals.*

Collegium Romanicum: rue Léon-Michaud 1, 1400 Yverdon; f. 1947; study of Romance languages and literature; 134 mems.; Pres. A. Stäuble; Sec. J.-J. Marchand; publs. *Vox Romanica*† (one or two a year), *Romanica Helvetica.*

Fondation Schiller Suisse: Sonneggstr. 27, 8006 Zürich; f. 1905; 1,300 mems.; Pres. Prof. Dr. Pierre Olivier Walzer; Vice-Pres. Dr. Jacques Mercanton; publ. *Jahresbericht.*

Gesellschaft für deutsche Sprache und Literatur in Zürich: Deutsches Seminar der Universität Zürich, Postfach 147, CH-8028 Zürich; f. 1894; 165 mems.; Pres. Prof. Dr. H. Burger; Sec. J. Etzensperger.

Institut et Musée Voltaire: rue des Délices 25, 1203 Geneva; f. 1952; library of 20,000 vols. and MSS; Curator Charles Wirz.

P.E.N. Club de Suisse Romande: 4 rue du Mont-de-Sion. CH-1206 Geneva; f. 1951; defends freedom of expression; 85 mems.; Pres. Raymond Tschumi; Sec, Juliette Monnin-Hornung.

Schweizerische Sprachwissenschaftliche Gesellschaft—Société suisse de linguistique: 3037 Herrenschwanden, Hostalen 190; f. 1947; 105 mems.; Pres. Prof. Roland Ris; Sec. Dr. Susanna Frei-Korsunsky; publ. *Cahiers Ferdinand de Saussure* (annually).

Schweizerischer Schriftsteller-Verband (*Society of Swiss Writers*): 25 Kirchgasse, 8001 Zürich; f. 1912; 510 mems.; Pres. Mousse Boulanger; Sec. Otto Böni.

Società Retorumantscha: Rohanstrasse 5, 7,000 Coire/Grisons; f. 1885; conservation and research into the Romansh language; approx. 600 mems.; Pres. Dr. Gion Deplazes; publs. *Annalas de la Società retorumantscha.*

Medicine

Schweizerische Akademie der Medizinischen Wissenschaften: 13 Petersplatz, 4051 Basle; f. 1943; 56 mems.; Pres. Prof. Dr. R. S. Mach; Sec.-Gen. Prof. Dr. R. Wenner; publs. *Bulletin der Schweiz. Akademie der medizinischen Wissenschaften*†.

Schweizerische Gesellschaft für Geschichte der Medizin und der Naturwissenschaften: 8006 Zürich, Rämistr. 71; f. 1921; 260 mems.; Sec. Dr. Med. A. Gubser; publ. *Gesnerus* (quarterly), *Veröffentlichungen der SGGMN* (individual monographs).

Schweizerische Neurologische Gesellschaft: Neurologische Klinik, Socinstr. 55, 4051 Basle; f. 1908; 228 mems.; Pres. Prof. G. Gauthier; Sec. Prof. H. E. Kaeser; publ. *Schweizer Archiv für Neurologie.*

Société Suisse de Chirurgie: Hôpital Tiefenau de la Ville de Berne; f. 1915; 642 mems.; Pres. Prof. F. Deucher; Sec. Prof. L. Eckmann; publ. *Helvetica chirurgica acta.*

Société Suisse de Pharmacie: Marktgasse 52, 3011 Berne; f. 1843; 2,500 mems.; Secs. Dr. J. Bider, Dr. J. Metzger, Dr. H. Bartlome; publs. *Schweizerische Apothekerzeitung*†, *Pharmaceutica Acta Helvetiae*†, *Index Nominum.*

Natural Sciences

General

Institut National Genevois: Promenade du Pin 1, 1204 Geneva; f. 1853; 600 mems.; Pres. L. Ducor; Sec.-Gen. J. Pfister; consists of Natural Science and Mathematics Section (Pres. vacant), Moral and Political Sciences Section (Pres. P. Pittard), Archaeology and History Section (Pres. P. Bertrand), Literary Section (Pres. vacant), Industry and Agriculture Section (Pres. M. Herzig), Fine Arts Section (Pres. vacant), Astronomy Section (Pres. M. Keller); publs. *Mémoires* and *Bulletin.*

Naturforschende Gesellschaft in Basel: Universitätsbibliothek, Basle; f. 1817; 597 mems.; library contains 60,557 vols.; Pres. Prof. Dr. L. Hottinger; Sec. Dr. H. Meindl; publ. *Verhandlungen der Naturforschenden Gesellschaft* (twice yearly).

Naturforschende Gesellschaft in Bern: Stadt- und Universitätsbibliothek, Münstergasse 61, CH-3000 Bern 7; f. 1786; 457 mems.; publ. *Mitteilungen der Naturforschenden Gesellschaft in Bern*†.

Naturforschende Gesellschaft in Zürich: 113 Kilchbergstrasse, 8038 Zürich; f. 1746; 1,200 mems.; Editor Prof. Dr. E. A. Thomas; publs. *Neujahrsblatt*†, *Vierteljahrsschrift*† (quarterly).

Naturforschende Gesellschaft Schaffhausen: Ungarbuhlstrasse 34, CH-8200 Schaffhausen; f. 1822; furtherance of interest and research in natural science and spread of nature conservation; 470 mems.; library of about 3,000 vols.; Pres. Dr. H. Hubscher; Sec. Ing. H. Lustenberger; publs. *Mitteilungen der Naturforschenden Gesellschaft Schaffhausen* Vols. I-XXIX; *Neujahrsblätter* 1–26, pamphlets on nature conservation.

Naturwissenschaftliche Gesellschaft Winterthur: CH-8400 Winterthur, Bachtelstrasse 6; f. 1884; 255 mems.; Pres. Lutz Ibscher; publ. *Mitteilungen* (every 3 years).

Schweizerische Naturforschende Gesellschaft—Société Helvétique des Sciences naturelles: Laupenstrasse 10, Postfach 2535, CH-3001 Berne; f. 1815; library: *see* Stadtbibliothek, Bern; mems.: 21 honorary, 9 institutions, 58 societies; Pres. Prof. Dr. E. Niggli; Sec. Dr. B. Sitter; publs. *Verhandlungen der Schweizerischen Naturforschenden Gesellschaft*†, *Denkschriften der Schweizerischen Naturforschenden Gesellschaft*†.

Schweizerische Stiftung für Alpine Forschungen (*Swiss Foundation for Alpine Research*): Binzstrasse 17, 8045 Zürich; f. 1939; Pres. Ernst Feuz; Sec. Dr. F. H. Schwarzenbach; publs. *The Mountain World*, *Berge der Welt*, Vols. I-XVII.

Schweizerischer Nationalfonds zur Förderung der Wissenschaftlichen Forschung—Fonds national suisse de la recherche scientifique (*Swiss National Science Foundation*): Wildhainweg 20, Berne; f. 1952 for the encouragement of research in the social, legal, economic, natural and medical sciences, humanities and technology; has a Council of Foundation, on which the Government, the universities and other cultural institutions are represented, and a National Research Council, consisting entirely of scientists; Pres. Council of Foundation Ernst Friedrich Lüscher; Pres. National Research Council Prof. Olivier Reverdin; Sec.-Gen. Dr. P. Fricker.

Società ticinese di scienze naturali: c/o Biblioteca cantonale, viale Cattaneo, CH-6900 Lugano; f. 1903; promotion of scientific research; 220 mems.; Pres. Prof. P. L. Zanon; Sec. Prof. Paolo Amman; publ. *Bollettino della Società ticinese di scienze naturali*† (annual).

Société de Physique et d'Histoire Naturelle: Museum d'histoire naturelle, route de Malagnou, Geneva; f. 1790; 126 mems.; Pres. Marc Vuagnat; Sec. Mme L. Zaninetti, Jacques Deferne; publs. *Archives des sciences*, *Compte-Rendus* (3 numbers per year).

Société Vaudoise des Sciences Naturelles: Palais de Rumine, 1005 Lausanne; f. 1815; 560 mems.; 1,000 periodicals in the library reading-room; *see also* Bibliothèque Cantonale et Universitaire de Lausanne; Sec. Mme Harris; publs. *Bulletin*, *Mémoires.*

Schweizerischer Wissenschaftsrat—Conseil Suisse de la Science: Wildhainweg 9, 3001 Berne; f. 1965 to co-ordinate and examine national policy on science and research and aid its implementation; 24 mems.; library of 1,500 vols., 150 periodical titles; Pres. Prof. Dr. med. Hugo Aebi; Gen. Sec. André Vifian.

Biological Sciences

Bernische Botanische Gesellschaft: Altenbergrain 21, 3013 Berne; f. 1918; 200 mems.; Pres. Dr. O. Hegg; Sec. Dr. B. Ammann; publ. *Sitzungsberichte*† (annually).

Botanische Institute und Botanischer Garten—Instituts et Jardin Botaniques de l'Université: Altenbergrain 21, 3013 Berne; f. 1862; research is carried out in the following institutes:

- **Institut für Allgemeine Mikrobiologie:** Dir. Prof. Dr. U. Leupold.
- **Pflanzenphysiologisches Institut:** Dir. Prof. Dr. K. Erismann.
- **Systematisch-Geobotanisches Institut:** Dir. Prof. Dr. G. Lang.

Conservatoire et Jardin botaniques de la Ville de Genève: C.P. 60, CH-1292 Chambésy; systematic botany, taxonomy, floristics, ecology, phytogeography; 70 mems. including 10 scientific mems.; library of 132,000 vols.; Dir. Prof. Jacques Miège; publs. *Candollea*, *Boissiera*, *Index Seminum.*

Schweizerische Botanische Gesellschaft: Institut für Spezielle Botanik der Eidgenössischen Technischen Hochschule, Universitätstrasse 2, CH-8092 Zürich; f. 1890; 600 mems.; publ. *Berichte der Schweizerischen Botanischen Gesellschaft.*

Schweizerische Entomologische Gesellschaft: Zürich; f. 1858; 350 mems.; library of 18,058 vols.; Pres. Dr. W. Sauter; Sec. Dr E. Günthart; publ. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*†, *Insectica Helvetica* (*Fauna*, *Catalogus*); Library and Exchange Agency: Library of the Swiss Institute of Technology, Leonhardstrasse 33, Zürich.

Mathematics

Schweizerische Mathematische Gesellschaft—Société Mathématique Suisse: Mathematisches Institut, Universität, Rheinsprung 21, CH-4051 Basel; f. 1910; 365 mems.; Pres. A. Delessert; Sec. B. Scarpellini; publs. *Commentarii Mathematici Helvetici*† (quarterly), *Elemente der Mathematik*† (6 a year).

Physical Sciences

Physikalische Gesellschaft Zürich: Schönberggasse 9, 8001 Zürich; f. 1887; 530 mems; Pres. Dr. M. Brüllmann; Sec. Dr. P. F. Meier.

Société Paléontologique Suisse: Naturhistorisches Museum, Basle; 186 mems.; Sec. and Treas. Dr. H. Schaefer.

Schweizerische Astronomische Gesellschaft—Société Astronomique de Suisse: Hirtenhofstrasse 9, CH-6005 Lucerne; f. 1939; 2,300 mems.; Pres. Prof. Dr. Rinaldo Roggero; Sec. Andreas Tarnutzer; publ. *Orion* (bi-monthly).

Schweizerische Chemische Gesellschaft—Société Suisse de Chimie: Sandoz AG, CH-4002 Basle; f. 1901; 1,800 mems.; Pres. Dr. J. Rutschmann; Sec. Dr. F. Troxler; publ. *Helvetica Chimica Acta.*

Schweizerische Geologische Gesellschaft—Société Géologique Suisse: c/o Schweizerische Geologische Kommission, Bernoullianum, CH-4056 Basle; f. 1882; 960 mems.; promotes geology from a general viewpoint; regular annual meetings; Pres. Dr. C. Schindler; publ. *Eclogae geologicae Helvetiae* (three issues a year).

Schweizerische Meteorologische Zentralanstalt: Krähbühlstr. 58, 8044 Zürich; f. 1880; 200 mems.; meteorological services; library of 35,000 vols.; Dir. G. Simmen; publs. *Annalen*† (annual), *Veröffentlichungen*† (irregular).

Schweizerische Physikalische Gesellschaft—Société Suisse de Physique: BSP Université, CH-1015 Lausanne; 1,220 mems.; Pres Prof. Philippe Choquard; Sec. Prof. Paul Erdös; publs. *Helvetica Physica Acta, Journal of Applied Mathematics and Physics.*

Philosophy and Psychology

Schweizerische Geisteswissenschaftliche Gesellschaft (*Swiss Society of Humanities and Social Sciences*): C.P. 2535, 10 Laupenstrasse, 3001 Berne; f. 1946; 33 mem. socs.; Pres. Prof. Dr. Thomas Gelzer; Sec. Dr. Beat Sitter.

Schweizerische Philosophische Gesellschaft—Société suisse de philosophie: 9008 St.-Gallen, Schubertstr. 6; f. 1940; 675 mems.; Pres. Prof. R. P. Norbert Luyten; Sec. W. Säuberli; publs. *Studia philosophica* (annual), *Supplementa* (irregular).

Schweizerische Stiftung für Angewandte Psychologie—Fondation Suisse pour la psychologie appliquée: Turnerstr. 1, CH-8006 Zurich; f. 1927; 150 mems.; Pres. H. Fischer; Sec. M. Zutt.

Schweizerischer Berufsverband für Angewandte Psychologie—Association professionnelle suisse de psychologie appliquée: Tobelhofstrasse 210, 8044 Zürich; f. 1952; 300 mems.; Pres. Dr. Peter Müri; Sec. Ruth Anderegg.

Religion, Sociology and Anthropology

Betriebspädagogisches Institut (*Institute of Industrial Pedagogy*): Arnold Böcklinstrasse 40, Basle; f. 1961; for consultation and training of managers and staff mems. in human and organizational integration, in problems of organizational development and group dynamics, communication and encounter training, etc.; international co-operation with group of 6 free consultants and trainers in Europe; Dir. Drs. W. Brokerhof.

Pro Helvetia: Hirschengraben 22, CH-8001 Zürich; f. 1949; public foundation under the supervision of the Swiss Federal Council to maintain and promote Switzerland's spiritual and cultural heritage and to foster cultural relations with foreign countries. In addition to sending printed material for foreign enquirers, it organizes exhibitions, concerts, lectures and theatrical performances abroad; the Swiss Federal Council appoints the President and the 25 mems. of the board of the Foundation; Pres. Roland Ruffieux; Dir. Luc Boissonnas.

Schweizerische Gesellschaft für Soziologie-Société Suisse de Sociologie: E. E. S. P., Case 152, 1000 Lausanne 24; f. 1955; 400 mems.; Pres. Walo Hutmacher; Sec. J.-P. Fragnière; publs. *Bulletin* (5 or 6 a year), *Revue Suisse de Sociologie* (3 a year).

Schweizerische Gesellschaft für Volkskunde—Société suisse des traditions populaires: Augustinergasse 19, 4000 Basle; f. 1896; 1,350 mems.; Pres. Prof. Hans Trumpy; Sec. Dr. W. Escher; publs. *Schweizerisches Archiv für Volkskunde* (quarterly), *Schweizer Volkskunde* (6 vols.). *Folklore suisse/Folklore svizzero* (4 vols.).

Schweizerische Theologische Gesellschaft—Société suisse de Théologie: Postfach 2323, 3001 Berne; f. 1965; 264 mems.; Pres. Prof. F. Furger; Sec. Dr. Chr. Müller.

Schweizerische Trachtenvereinigung: Schipfe 30/32, 8023 Zürich Postfach; f. 1926; folk dance records and descriptions; 20,000 mems.; Pres. Dr. E. Dettwiler; publ. *Heimatleben* (French edition: *Costumes et Coutumes* (3 a year).

Schweizerischer Protestantischer Volksbund: Rosengartenstrasse 1A, 8037 Zürich; f. 1924; 12,000 mems.; Pres. Prof. Dr. Rudolf Pfister; Sec. Rev. Fritz Johner.

Verband Jüdischer Lehrer und Kantoren der Schweiz (*Society of Jewish teachers and cantors in Switzerland*): Brandschenkesteig 12, 8002 Zürich; f. 1926; 60 mems.; Pres. Erich Hausmann; Sec. Isaac Heiselbeck; publ. *Bulletin.*

Technology

Schweizerischer Technischer Verband (*Association of Technicians, Engineers and Architects*): Weinbergstrasse 41, 8006 Zürich, STV-Haus; 1,000 mems.; Pres. W. Gysin; Sec. H. A. Hafner; publ. *Schweizerische Technische Zeitschrift.*

Schweizerischer Verband der Ingenieur-Agronomen und der Lebensmittelingenieure—Association suisse des ingénieurs agronomes et des ingénieurs en technologie alimentaire: Länggasse, 3052 Zollikofen, Berne; f. 1901; 1,400 mems.; Pres. D. Grosclaude; Sec. E. Matter; publ. *Bulletin* (quarterly).

Verband Schweizerischer Abwasserfachleute (*Association of Sewage Engineers*): Rütistrasse 3, 5400 Baden; f. 1944; 907 mems., 1,447 reps.; Pres. Dr. Erwin Märki.

Verband Schweizerischer Vermessungstechniker (*Association of Swiss Surveyors*): Mühlistöckli, 4571 Küttigkofen; f. 1929; 1,110 mems.; Pres. F. Loosli; Sec. Alfred Heuggeler; publ. *Vermessung-Mensuration* (9 a year).

RESEARCH INSTITUTES

(*see* also under Universities)

Agriculture

Division de l'Agriculture: Ministry of Public Economy, Mattenhofstr. 5, 3003 Berne; Dir. Jean-Claude Piot; Deputy Dir. for Development of Agricultural Research Prof Dr. J. von Ah. The centre for federal agricultural research, which is carried out by the following *Stations Agronomiques Fédérales:*

Station Fédérale de Recherches Agronomiques de Zürich-Reckenholz: 8046 Zürich-Reckenholz; Dir. Dr. A. Brönniman.

Station Fédérale de Recherches Agronomiques de Changins: Château de Changins, 1260 Nyon; Dir. M. Rochaix.

Station Fédérale de Recherches en Chimie Agricole et sur l'Hygiène de l'Environnement: 3097 Liebefeld-Berne; Dir. Dr. Ernest Bovay.

Station Fédérale de Recherches Laitières de Liebefeld-Berne: 3097 Liebefeld-Berne; Dir. Prof. Dr. Bernard Blanc.

Station Fédérale de Recherches en Arboriculture, Viticulture et Horticulture de Wädenswil: 8820 Wädenswil; Dir. Prof. Dr. R. Fritzsche.

Station Fédérale de Recherches sur la Production animale de Grangeneuve: 1725 Grangeneuve; Dir. Dr. Heinrich Schneeberger.

Station Fédérale de Recherches d'Economie d'entreprise et de génie rural de Tänikon: 8355 Tänikon b. Aadorf; Dir. Dr. Paul Faessler.

Economics, Law and Politics

Institut Suisse de recherche sur les Pays de l'Est (*Swiss Eastern Institute*): CH-3000 Berne 6, Jubiläumsstr. 41; f. 1959; study and information on the development of Communist countries; Dir. Peter Sager; Admin. Dir. Peter Dolder; publs. *Zeitbild*† (fortnightly), *Etudes Politiques*† (10 a year), *Swiss Press Review*† (fortnightly, also in French and Spanish), *Informationsdienst, Wirtschaftsdienst, SOI-Bilanz* (monthly).

Medicine

Basle Institute for Immunology: Grenzacherstrasse 487, CH-4058 Basle; f. 1970; 55 mems.; library of 1,700 monographs and 101 journals; Dir. Prof. N. K. Jerne; publ. *Annual Report*.

Institut für Experimentelle Gerontologie (*Institute of Experimental Gerontology*): Nonnenweg 7, 4000 Basle; f. 1959; biological, physical and biochemical research into ageing in humans and animals; library of 1,000 vols.; Dir. Prof. F. Verzár; publ. *Gerontology*.

Institut Sérothérapique et Vaccinal Suisse: 79 Rehhagstrasse, Berne; f. 1898; Pres. E. Cardinaux.

Institut suisse de recherches expérimentales sur le cancer—Schweizerisches Institut für Experimentelle Krebsforschung (*Swiss Institute for Experimental Cancer Research*): Av. des Boveresses, 1066 Epalinges s. Lausanne; f. 1964; 100 mems.; library of 4,000 vols., 100 periodicals; Pres. J.-J. Cevey; Dir. Prof. B. Hirt; Sec.-Gen. A. Zagnoli.

Schweizerisches Tropeninstitut (STI): Socinstrasse 57, Basle; f. 1943; library of 2,688 vols.; Dir. Prof. T. A. Freyvogel; publ. *Acta Tropica*.

Natural Sciences

General

Amt für Wissenschaft und Forschung des Eidgenössischen Departement des Innern—Office de la science et de la recherche du Département fédéral de l'intérieur: Postfach 2732, 3001 Berne; f. 1969; prepares policy decisions for education and science and executes scientific policy; co-ordinates activities of Federal bodies concerned with research and education; supports universities and other institutes of higher education and advises on grants; encourages research and is responsible for atomic and space research; with other Departments deals with international scientific affairs; undertakes documentation and information services on science and research nationally and internationally; library for own use only; Dir. Prof. Urs Hochstrasser; publ. *Politique de la Science* (five issues yearly).

Commission pour l'Encouragement des Recherches Scientifiques: Wildhainweg 20, Postfach 2338, CH-3001 Berne; f. 1944; promotes applied research; 14 mems.; Pres. Dr. Waldemar Jucker; Sec. Dr. Peter Kuentz; publ. *Annual Report*† (German and French).

Jungfraujoch and Gornergrat Scientific Stations: Secretariat, Sidlerstrasse 5, 3000 Berne; f. 1930; high-altitude research in astronomy, astrophysics, botany, geology, glaciology, hydrology, medicine, meteorology, physics and zoology; international foundation by scientific organizations of Austria, Belgium, France, Germany, Great Britain, Italy, Netherlands, Switzerland; Pres. Prof. H. Debrunner; publ. *Review on Activity*.

Physical Sciences

Astrophysical Observatory: Arosa-Tschuggen; f. 1939; Dir. Prof. Dr. M. Waldmeier.

Eidgenössiches Institut für Schnee- und Lawinenforschung (*Swiss Federal Institute for Snow and Avalanche Research*): 7260 Weissfluhjoch/Davos; f. 1942; meteorology and hydrology of snow deposits, avalanche formation and mechanics, protective structures, snow and avalanche effects on forests, and an avalanche warning service; 32 mems.; library of 2,000 vols.; Dir. Prof. Dr. M. de Quervain; publs. *Winterbericht* (annual), *Interne Berichte und Gutachten, Mitteilungen, Sonderdrucke*.

Observatoire: Geneva, CH-1290 Sauverny/Ge; f. 1772; Dir. Prof. M. Golay.

Observatoire Cantonal: Neuchâtel; f. 1858; library contains 100,000 vols.; astronomical time service; chronometry department; Dir. J. Bonanomi; publs. time service bulletins, annual reports.

Observatoire Fédéral: 25 Schmelzbergstrasse, 8092 Zürich; f. 1864; solar research; Dir. Prof. Dr. M. Waldmeier; publs. *Astronomische Mitteilungen, Publikationen, Quarterly Bulletin on Solar Activity, Report* (annual).

Specola Solare dell' Osservatorio Astronomico Federale: Locarno-Monti; f. 1957; Dir. Prof. Dr. M. Waldmeier.

Technology

Institut für linguistische Datenverarbeitung (*Institute of Computational Linguistics*): Finkenweg 3, Postfach 149, 3110 Münsingen/Berne; computational linguistics, machine translation, terminology data banks, multilingual information systems, artificial intelligence, computer art, legal informatics; consulting services, contract research; Dir. Herbert E. Bruderer.

LIBRARIES AND ARCHIVES

Basle

Allgemeine Bibliotheken der GGG: Rümelinsplatz 6, Gerbergasse 24, 4051 Basle; f. 1807; 8 br. libraries; 100,000 vols.; Dir. Peter Marti.

Archiv für Schweizerische Kunstgeschichte: Munzgässlein 16; Dir. Dr. E. Murbach.

Bibliothek des Museums für Völkerkunde: Augustinergasse 2, Basle; 30,000 vols. on ethnography of the world; Librarian Mrs. Elisabeth Idris.

Medizinhistorische Bibliotek: Schönbeinstr. 40, 4056 Basle; f. 1964; 9,000 vols.; Dir. Prof. Dr. H. Buess.

Öffentliche Bibliothek der Universität Basel (*Public University Library*): 20 Schönbeinstrasse, Basle; f. 1460; 2,204,743 vols.; scientific works, special collections of MSS., incunabula, maps, portraits; Pres. of Library Commission Dr. Paul Huber; Chief Librarian Dr. F. Gröbli; publs. *Bericht über die Verwaltung der Öffentlichen Bibliothek der Universität Basel*† (annually), *Jahresverzeichnis der Schweizerischen Hochschulschriften, Die mittelalterlichen Handschriften der Universitätsbibliothek Basel, Die Matrikel der Universität Basel, Die Amerbachkorrespondenz.*

Schweizerisches Wirtschaftsarchiv—Archives Economiques Suisses: Kollegienhaus der Universität, Petersgraben, Basle; f. 1910; over 650,000 vols., including business reports, periodicals, statistical publications, reports on social institutions and international conferences, professional societies and law and economics; 1,000,000 newspaper cuttings; the library is open to the public; Dir. Dr. C. Mentha.

Staatsarchiv des Kantons Basel-Stadt—Archives d'Etat du Canton de Bâle-Ville: Martinsgasse 2, CH-4001 Basle; 20,000 vols.; Dir. Prof. Dr. A. Staehelin; publs. *Jahresberichte des Staatsarchivs Basel-Stadt, Quellen und Forschungen zur Basler Geschichte.*

Berne

Archives Fédérales: 24 rue des Archives, CH-3003 Berne; f. 1798; Dir. Dr. Oscar Gauye.

Bibliothèque Centrale Suisse des Thèses: 3000 Berne, Munzgraben 2.

Bibliothek des Konservatoriums für Musik: 36 Kramgasse, 3011 Berne; f. 1917; library of *c.* 20,000 books; Pres. Annamarie Zinsli.

Bibliothèque Nationale Suisse—Schweizerische Landesbibliothek: 15 Hallwylstrasse, Berne; f. 1895; contains all publications issued in Switzerland and foreign publications if by Swiss authors or if concerning Switzerland; 1,500,000 vols., 200,000 engravings and photos, 20,000 maps, 20,000 posters; Swiss union catalogue; Dir. Dr. F. G. Maier; Vice-Dir. Dr. R. Luck; publs. *Le Livre suisse, Répertoire du livre suisse 1948-75, Répertoire des périodiques suisses 1951-55, 1956-60, 1961-65, 1966–70, 1971–75, Répertoire des périodiques, étrangers reçus par les bibliothèques suisses,* 5th edition 1973, *Bibliographia scientiae naturalis Helvetica, Bibliographie de l'histoire suisse, Bibliographie des publications officielles suisses, Catalogue des écrits académiques suisses.*

Bürgerbibliothek Berne—Bibliothèque de la Bourgeoisie de Berne: Münstergasse 63, CH-3000 Berne 7; f. 1951; 550 metres of historical MSS., of which 50 metres medieval MSS.; Curators Dr. H. A. Haeberli, Dr. Ch. von Steiger.

Eidgenössische Parlaments-und Zentralbibliothek (*Library of the Parliament and Federal Administration*): Bundeshaus West, 3003 Berne; f. 1849; 70,000 vols.; the library is open to the public for reference only; Dir. Max Boesch.

Pharmazeutische Zentralbibliothek: 10 Sahlistrasse, 3012 Berne; f. 1919; pharmacy; 6,000 vols., 750 periodicals; Dir. K. Humbel.

Schweizerische Volksbibliothek—Bibliothèque pour tous: Hallerstrasse 58, 3000 Berne 26; f. 1920; *c.* 250,000 vols., 8 brs.; Dir. T. Murk.

Staatsarchiv des Kantons Bern: 4 Falkenplatz, 3012 Berne; contains the archives of the Canton of Berne; Archivist Fritz Häusler; publ. *Das Staatsarchiv des Kantons Bern.*

Stadt- und Universitätsbibliothek: 61 Münstergasse, CH-3000 Berne 7; f. 1528; 1,100,000 vols.; Chief Librarian Dr. H. Michel.

Fribourg

Bibliothèque Cantonale et Universitaire—Kantons- und Universitätsbibliothek: 16 rue St-Michel, 1701 Fribourg; f. 1848; 1,000,000 vols.; Dir. G. Delabays.

Geneva

Archives d'Etat: 1 rue de l'Hôtel de Ville, Geneva; 6 mems.; material on history of Geneva; Archivist W. Zurbuchen; Research Dir. Louis Binz.

Bibliothèque d'Art et d'Archéologie (annexe of Musée d'Art et d'Histoire): 5 Promenade du Pin, 1204 Geneva; 80,000 vols., 80,000 slides, 2,400 periodicals; Librarian C. Goerg.

Bibliothèque des Nations Unies (*United Nations Library*): Palais des Nations, Geneva; f. 1919; 850,000 vols.; Librarian Heinz Waldner; publs. *Monthly Bibliography, Pt. I—Books, Official Documents*†, *Pt. II—Selected Articles*†, *Catalogue of Periodicals*†.

Bibliothèque Publique et Universitaire de Genève: Promenade des Bastions, Geneva; f. 1561; 1,200,000 vols. and pamphlets, 23,000 maps, 45,000 engravings, 400 painted portraits, 13,000 MSS.; Dir. Dr. Paul Chaix.

Bibliothèques Municipales: 16 place de la Madeleine, 1204 Geneva; f. 1931; adult libraries 133,278 vols., children's libraries 44,064 vols., school libraries 43,572 vols.; Chief Librarian Miss Roberte Pipy.

International Labour Office Library: 1211 Geneva 22; f. 1929; 400,000 vols. and pamphlets, 11,000 periodicals (including annuals and official gazettes); open to the public on special request; computerized data base, containing abstracts of all items catalogued since 1965, now available for on-line searching world-wide through the facilities of System Development Corpn., Santa Monica; Librarian G. K. Thompson; publs. *International Labour Documentation*† (monthly), *Directory of information resources in the ILO, Register of periodicals, Thesaurus of ILO descriptors.*

Grand Saint-Bernard

Bibliothèque de L'Hospice du Grand Saint-Bernard: Grand Saint-Bernard, Canton de Valais (library of Austin Canons monastery, f. 1050); works on botany and numismatics, ancient MSS. and maps; over 30,000 vols. and many thousands of brochures.

Graubünden

Staatsarchiv Graubünden: CH-7001 Chur, Reichsgasse, Archivgebäude; f. 1803; Archivist Dr. M. E. Welti.

Lausanne

Bibliothèque Cantonale et Universitaire de Lausanne: Palais de Rumine, 1005 Lausanne; f. 1537; libraries of the "Société vaudoise des sciences naturelles" and the "Société d'histoire de la Suisse romande"; 700,000 vols., 150 incunabula; the library is open to the public; Dir. Jean-Pierre Clavel; publs. *Liste des acquisitions récentes, Catalogues des fonds de manuscrits, Catalogue des périodiques médicaux, Catalogue des périodiques scientifiques, Catalogue des manuscrits musicaux, Rapport annuel.*

Bibliothèque de la Faculté de Médecine: Hôpital Cantonal Universitaire, 1011 Lausanne; f. 1968; 3,000 vols., 240 periodicals; Librarian Mrs. V. Bohanes.

Bibliothèque Municipale de la Ville de Lausanne: 1003 Lausanne, rue des Terreaux 33; Dir. Suzanne Grin-Pingeon.

Lucerne

Staatsarchiv des Kantons Luzern: Bahnhofstrasse 18 CH-6003 Luzern; f. 1803; local history; 10 mems.; 15,000 vols.; Archivist Dr. F. Glauser; publs. *Jahresbericht des Staatsarchivs Luzern, Luzerner Historische Veröffentlichungen* (irregular).

Zentralbibliothek Luzern: Sempacherstrasse 10, CH-6002 Lucerne; 450,000 vols., 2,500 MSS., 100,000 engravings, photos and maps; Dir. Dr. W. Sperisen.

Lugano

Bibiloteca Cantonale: Lugano, Ticino: Viale C. Cattaneo 6; f. 1852; 200,000 vols.; only public library of Italian culture in Switzerland, incorporates *Liberia Patria*, special collection of "Ticinensia", 20,000 vols.; Dir. Dott. A. Soldini.

Neuchâtel

Bibliothèque des Pasteurs: 3 Collégiale, 2000 Neuchâtel; f. *c.* 1552; theological; 58,000 vols., 17,000 pamphlets; Librarian Robert Paroz.

Bibliothèque Publique de la Ville: Neuchâtel; f. 1788; 500,000 vols., including vols. of periodicals, an Encyclopaedia Library, Swiss theses, many reviews received mostly by exchange; MSS. of J.-J. Rousseau (works and correspondence) and Mme de Charrière; archives of Société typographique de Neuchâtel; Dir. J. Rychner; publs. *Bulletin des acquisitions récentes*†, *Bibliothèques et musées*†, *Musée neuchâtelois*†, and bulletins of chronometry, geography, and natural sciences.

St. Gallen

Bibliothek des Kaufmännischen Direktoriums: Gallusstrasse 16.

Kantonsbibliothek: Regierungsgebäude; Dir. Dr. W. Lendi.

Stadtbibliothek Vadiana: Notkerstrasse 22, CH-9000 St. Gallen; f. 1551; 400,000 vols.; the library is open to the public; Dir. Dr. Peter Wegelin.

Stifts-Bibliothek St. Gallen: St. Gallen (library of former Benedictine Abbey of St. Gall); f. about 720 A.D.; important collection of manuscripts and incunabula, some dating from Irish period; 100,000 vols.; Dir. Prof. Dr. Johannes Duft.

Solothurn

Zentralbibliothek: 39 Bielstrasse, Solothurn; f. 1763 as town library; 300,000 vols., 2,000 MSS.; the library is open to the public; Dir. Dr. Hans Sigrist; publs. *Jahresbericht*, *Veröffentlichungen*.

Winterthur

Stadtbibliothek: 52 Museumstrasse, Winterthur; f. 1660; 500,000 vols., open to the public; Dir. Dr. Peter Sulzer; publ. *Neujahrsblatt* (annually).

Zürich

ETH-Bibliothek (*Library of the Swiss Federal Institute of Technology*): Rämistrasse 101, CH-8092 Zürich; f. 1855; 2,320,000 vols. and docs. (8,600 current periodicals, 17,000 current serials, 700,000 reports, 100,000 maps, 100,000 docs. on history of science); university library specializing in science and technology; affiliated libraries: Geological Inst. Library, Architecture and Civil Engineering Library; service for microfilms and photostats; Dir. Dr. J.-P. Sydler; publs. *Catalogues on microfiches* (monthly in COM), printed catalogue of periodicals holdings, *Theses*†.

Schweizerisches Sozialarchiv: Neumarkt 28, 8001 Zürich; f 1906; Swiss centre of social documentation; 60,000 vols. and over 300,000 brochures, pamphlets, etc.; 1,300 current newspapers and reviews in the lecture hall; newspaper cuttings; the library is open to the public; Librarian Dr. M. Tucek.

Staatsarchiv des Kantons Zürich: 33 Predigerplatz, Zürich 1; f. 1837; contains the archives of the canton of Zürich and a specialized library (local publications and collections of statutes; 22,000 vols. and numerous pamphlets); Dir. Dr. U. Helfenstein.

Zentralbibliothek Zürich: Zähringerplatz 6, 8025 Zürich; f. 1914; city, cantonal and university library, incorporating also the libraries of Naturforschende Gesellschaft in Zürich, Antiquarische Gesellschaft in Zürich, Geographisch-Ethnographische Gesellschaft Zürich, Schweizerischer Alpenclub, Allgemeine Musikgesellschaft Zürich, Bibliotheca Fennica, etc. About 1,600,000 vols., 18,500 MSS. and autographs, 1,500 incunabula, 140,000 maps, and special collections of graphic arts (160,000 items), genealogy, heraldry. Service for photostats, xerocopies, microfilms; Dir. Hans Baer.

Bibliothek des Kunstgewerbemuseums der Stadt Zürich: Zürich, Ausstellungsstr. 60; f. 1874; 50,000 vols.; Librarian Dr. Kurt Akeret.

MUSEUMS AND ART GALLERIES

Aarau

Aargauer Kunsthaus Aarau: Aarau; f. 1860; Swiss painting and sculpture from 1750 to the present day; considerable collection of paintings by Caspar Wolf (1735–1783). the first painter of the Alps, and by the landscape painter, Adolf Staebli, and by Auberjonois, Brühlmann, Amiet, G. Giacometti, Hodler, Meyer-Amden, Louis Soutter, Vallotton; Dir. Prof. Heiny Widmer.

Avenches

Musée Romain Avenches: CH-1580 Avenches; f. 1824; excavations of Aventicum; 950 mems.; library of 3,000 vols.; Pres. Prof. J.-P. Vouga; Sec. Prof. Dr. H. Boegli; publ. *Bulletin de l'Association Pro Aventico*† (annual).

Basle

Antikenmuseum: St. Albangraben 5, 4051 Basle; f. 1961; collections of Greek art (2,500–100 B.C.), Italian art (1,000 B.C.–300 A.D.) and Etruscan art; Dir. Prof. Dr. E. Berger.

Gewerbemuseum Basel: Spalenvorstadt 2, Basle; f. 1878; applied art, collections, exhibitions; Dir. Gustav Kyburz; Curator Dr. Alex Cizinsky.

Historisches Museum: Verwaltung, Rennweg 62, Basle; f. 1856; 3 brs. containing collection of objects from prehistoric times to 17th century, civic culture of Basle in 18th and 19th centuries and collection of old musical instruments; Dir. Dr. Hans Lanz; publ. *Jahresberichte*.

Oeffentliche Kunstsammlung: Kunstmuseum, St. Albangraben 16, CH-4010 Basle; f. 1662; from 15th century to present day, notably by Witz, Holbein and contemporary painters; collection includes Grünewald, Greco, Rembrandt, 16th- and 17th-century Netherlandish painting, Cézanne, Gauguin and Van Gogh; large collection of cubist art; sculptures by Rodin and 20th-century artists; American painting since 1945; Dept. of prints and drawings with old Upper Rhine, German and Swiss masters; library of 100,000 vols.; Dir. Dr. Franz Meyer; Curators Dr. Paul Boerlin, Dr. Dieter Koepplin; Librarian Nikolaus Meier.

Museum für Völkerkunde und Schweizerisches Museum für Volkskunde Basel: Augustinergasse 2, Basle; f. 1892; ethnographical collections from all parts of the world, especially from Oceania, Indonesia, South America and Europe (closed until 1981; only European collections on display); Dir. Dr. G. Baer; publs. *Annual Report*†, *Basler Beiträge zur Ethnologie*†, and guides†.

Berne

Bernisches Historisches Museum: Helvetiaplatz 5, Berne; f. 1881; Pre- and Early History, Applied Arts, Coin

Collections, Ethnology, Folklore; Dirs. R. L. WYSS, H. MATILE; publ. *Jahrbuch des Bernischen Historischen Museums*†.

Kantonales Amt für Wirtschafts- und Kulturausstellungen, (Gewerbemuseum und Gewerbebibliothek) (*Industrial Museum*): Zeughausgasse 2, 3011 Berne; f. 1869; Dir. R. A. BLESSING.

Kunstmuseum: 12 Hodlerstrasse, Berne; f. 1879, and enlarged 1936; 1,200 mems.; contains Italian paintings from 14th to 16th centuries, works by Swiss masters from 15th to 19th centuries and modern works by Hodler and other Swiss, French and German masters; Paul Klee foundation; Hermann and Margrit Rupf foundation, including paintings by Picasso, Braque, Léger, Gris and Kandinsky; Adolf Wölfli Foundation; paintings, reliefs, water-colours, gouache paintings and illustrations by Sophie Taeuber-Arp; the graphic art collection contains over 20,000 drawings and engravings; *c.* 25,000 vols.; Dir. Dr. H. WAGNER; publ. *Berner Kunstmitteilungen*† (8 a year).

Naturhistorisches Museum: 15 Bernastrasse, Berne; f. 1832; collection includes 220 dioramas of Swiss mammals and birds, big game (especially African), Swiss fish, amphibians and reptiles, minerals of the Swiss Alps, Alpine fossils, insects, vertebrates, molluscs, corals, etc.; Dir. Prof. Dr. W. HUBER; Curator of Zoology Dept. Dr. P. LÜPS; Curator of Entomology Dept. Dr. H. D. VOLKART; Curator of Mineralogy and Geology Dept. Prof. Dr. H. A. STALDER; publ. *Jahrbuch des Naturhistorischen Museums.*

Biel

Museum Schwab: Biel-Bienne; f. 1865; contains prehistoric exhibits, especially of the lake-dwelling culture, the New Stone Age, the Bronze Age, and the second Iron Age; also a collection of the Roman period (Petinesca); Dir. Dr. MARCUS BOURQUIN.

Chur

Bündner Kunstmuseum: Postplatz, 7000 Chur.; f. 1900; contains works by Swiss artists, principally Segantini, Hodler, Alberto, Augusto, Giovanni, Giacometti, E. L. Kirchner and Angelica Kauffmann; Dir. H. HARTMANN.

Fribourg

Musée d'art et d'histoire: rue Pierre-Aeby 227, CH-1700 Fribourg; f. 1823; housed in Hotel Ratzé (16th century); antiques, furniture, stained glass, sculpture, portraits, Roman, Burgundian and prehistoric collections; Swiss painting and sculpture of the Middle Ages, and 16th and 17th centuries collection of the Duchess of Castiglione-Colonna; collection of prints; Curator MICHEL TERRAPON; Deputy Curator YVONNE LEHNHERR; publs. *Rapport annuel*, exhibition catalogues.

Geneva

Collections Baur: 8 rue Munier Romilly, Geneva; f. 1944, opened to public 1964; ceramics and works of art from China and Japan; Pres. GUSTAVE MARTIN; Curator PIERRE F. SCHNEEBERGER; publ. *Bulletin des Collections Baur.*

Musée d'Art et d'Histoire: rue Charles Galland, Geneva; f. 1910; works by Swiss painters, Italian, French, German and Flemish Primitives, special collection of paintings by Hodler; modern art; historical section devoted to history and archaeology of Geneva and district, and Classical, Egyptian, Near Eastern and Byzantine archaeology, European sculpture and decorative arts, and numismatic collection; library of 95,000 vols.; Dir. C. LAPAIRE; publs. *Geneva* (annually), *Les Musées de Genève* (monthly), *Informations* (quarterly).

Attached Museums:

Musée Ariana: ave. de la Paix, Geneva; f. 1884; European and Eastern ceramics; Curator MARIE THÉRÈSE COULLERY.

Musée d'Histoire des Sciences: 128 rue de Lausanne, CH-1202 Geneva; f. 1964; library of 10,000 vols.; Curator MARGARIDA ARCHINARD.

Musée d'Instruments Anciens de Musique: 23 rue Lefort, Geneva 1206; f. 1960; Curators FRITZ ERNST, Miss ELISA-ISOLDE CLERC.

Musée de l'Horlogerie: route de Malagnou, Geneva; f. 1972; European clock and watchmaking; enamels and miniatures, 1600–1900; Curator FABIENNE STURM.

Cabinet des estampes: 5 Promenade du Pin, Geneva; f. 1952; ancient and modern prints; Curator CHARLES GOERG.

Musée d'Ethnographie de la Ville de Genève: 65–67 Boulevard Carl Vogt, Geneva; f. 1901; contains exhibits from Africa, Asia, Americas, Australia and Oceania, collection of musical instruments and of popular pottery; library of 8,000 vols.; also houses the Société Suisse des Américanistes; Dir. Dr. ANDRÉ JEANNERET; Curators JEAN ERACLE (Asia), CLAUDE SAVARY (Africa), DANIEL SCHOEPF (Americas), BERNARD CRETTAZ (Europe); publs. *Bulletin*† (annual) and *Bulletin de la Société suisse des Américanistes*†.

Muséum d'Histoire Naturelle: Malagnou, 1211 Geneva 6; f. 1820; 140 mems.; departments of General Zoology, Vertebrates, Entomology, Arthropods, Invertebrates, Mineralogy, Geology, Palaeontology; library of 120,000 vols.; Dir. Dr. V. AELLEN; Admin. Sec. R. DESCOMBES; Librarians C. FAVARGER, T. DÉNES; publs. *Catalogue des Invertébrés de la Suisse, Catalogue Illustré de la collection Lamarck I* (Fossils), *The European Protura, Revue Suisse de Zoologie* (quarterly).

Glarus

Kunsthaus Glarus: Glarus; f. 1870; 380 mems.; works by modern Swiss artists; pictures and sculptures; Curator FRITZ BRUNNER.

Heiden

Dunant-Museum: 9410 Heiden; f. 1962; objects, documents, etc., pertaining to the life and works of Henry Dunant, founder of the Red Cross, who spent the last years of his life in Heiden; Dir. J. HAUG.

La Chaux-de-Fonds

Musée des Beaux-Arts: 33 rue des Musées; f. 1864; comprises paintings and sculpture by Swiss artists, particularly of the Neuchâtel district, and modern European painting, sculpture and tapestries; Dir. PAUL SEYLAZ; publs. Catalogues†.

Musée International d'Horlogerie: 29 rue des Musées, C.P. 331, 2301 La Chaux-de-Fonds; f. 1902; artistic and technical collections of watches, clocks, instruments and objects connected with the measurement of time; specialist library of 1,550 vols.; Curator ANDRÉ CURTIT.

Lausanne

Musée Cantonal des Beaux-Arts: Palais de Rumine, 1005 Lausanne; f. 1841 by the painter Marc-Louis Arlaud; collection of works by artists from the canton of Vaud; also works by other Swiss artists, and artists of other European countries, international exhibitions; Dir. Dr. RENÉ BERGER.

Musée Historique de l'Ancien Evêché: 2 place de la Cathédrale, CH-1005 Lausanne; f. 1898; archaeological and historical collection; Curator JAQUES BONNARD.

Ligornetto

Museo Vela: Ligornetto; f. 1897 by the Vela family, whose works comprise the basis of the collection, which also includes paintings from old and modern Italian schools (19th century), sketches and drawings; Curator GIUSEPPE CASANOVA.

Locarno

Castello Visconti: f. 1970; 14th-century fortress housing Jean Arp collection of modern art; works by Alexander Calder, Van Doesburg, Arp, Hans Richter, etc.

Lucerne

Historisches Museum: Kornmarkt 1, Lucerne; f. 1873; Curator Dr. GOTTFRIED BOESCH.

Kunstmuseum: Robert-Zündstr. 1, 6005 Lucerne; f. 1872; Swiss art from ancient times to 20th century, with special collection of contemporary works; exhibitions of modern art; Curator MARTIN KUNZ, LIC.PHIL.

Richard Wagner-Museum: 6012 Lucerne-Tribschen; f. 1933; home of Richard Wagner from 1866 to 1872; contains original scores of *Siegfried-Idyll*, *Schusterlied* (*Meistersinger*), etchings, paintings, busts and the Erard grand piano which accompanied Wagner throughout Europe; also collection of 200 old musical instruments; Pres. of Museum Commission Dr. H. R. MEYER; publs. *Katalog* (German, French and English), *Tribschener Blätter* (annual).

Verkehrshaus der Schweiz (*Swiss Institute of Transport and Communications*): Lidostrasse 5, 6006 Lucerne; f. 1942; Europe's largest transport museum; land, water and air, telecommunications and tourism; unique vehicles, engines, working models, diagrams, photographs; transportation archives; headquarters of the Swiss Transport Research Association; Planetarium Longines (Switzerland's only planetarium); Dir. ALFRED WALDIS.

Lugano

Museo Civico di Belle Arti: Villa Ciani, Lugano; f. 1893 by Antonio Caccia; works by artists of the Ticino from 17th to 20th centuries, and by French and Italian artists including Tintoretto, Henri Rousseau, Matisse.

Neuchâtel

Musée d'Art et d'Histoire: Quai Léopold Robert, Neuchâtel; f. 1842; Curators P. VON ALLMEN (fine arts), JEAN-PIERRE JELMINI (history).

Musée des Beaux-Arts: 2 Quai des Beaux-Arts, 2000 Neuchâtel; f. 1881; pictures, drawings, prints and sculpture by Neuchâtel and other Swiss artists; French works of 18th and 19th centuries by Courbet, Corot and others; Curator DANIEL VOUGA.

Musée d'Ethnographie: 4 St. Nicolas, Neuchâtel; f. 1790; Curator JEAN GABUS; publ. *Rapport annuel des Musées et Bibliothèques*.

Musée d'Histoire Naturelle: 3 place Numa-Droz, Neuchâtel; f. 1835; Curator ARCHIBALD QUARTIER.

Olten

Kunstmuseum: Kirchgasse 8, 4600 Olten; f. 1845; drawings and paintings by Martin Disteli; paintings, drawings and sculptures by Swiss artists; library of 500 vols.; Curator PAUL MEIER.

St. Gallen

Altes Museum: Museumstr. 27, and Kirchhoferhaus, Museumstrasse 27, St. Gallen 1; f. 1877; works by 19th- and 20th-century Swiss, French and German painters, with special collection devoted to the art of Eastern Switzerland; since June 1970 the museum has been closed to the public until further notice; Dir. RUDOLF HANHART.

Historisches Museum: Museumstrasse 50, CH-9000 St. Gallen; f. 1877; collection of arms, banners, porcelain, painted glass, coins, ancient chambers, ancient stoves; Curator Dr. RICCO LABHARDT; ethnological collection, Curator RUDOLF HANHART.

Industrie- und Gewerbemuseum mit Textil- und Modeschule: Vadianstr. 2, St. Gallen; f. 1878; lace, embroideries and Jacquard woven and printed fabrics of seven centuries; Coptic fabrics; period and modern textile and costume exhibition; library of 6,000 vols.; Dir. E. FICK.

Museum für Völkerkunde: Museumstrasse 50, St. Gallen; Curator RUDOLF HANHART.

Museum Kirchhoferhaus: Museumstrasse 27; local and historical exhibits; also houses temporarily the most important collections from the *Kunst-Museum*, now being rebuilt; French paintings by Corot, Pissarro, Sisley, Monet and others; works by German artists, including Koch, Kirchner, Feuernach and Spitzweg; representative collection of 19th-century Swiss painting.

Naturhistorisches Museum St. Gallen: Rosenbergstr. 89, CH-9000 St. Gallen; f. 1870; Curator ROLAND MÜLLER (acting); publ. *Jahrbuch naturwissenschaftliche Gesellschaft*.

Schaffhausen

Museum zu Allerheiligen: Klosterplatz, Schaffhausen; f. 1928; prehistory, history and art of the Canton of Schaffhausen and district; Dir. Dr. MAX FREIVOGEL; publ. *Jahresbericht*.

Solothurn

Museum der Stadt Solothurn: Werkhofstr. 30, Solothurn; f. 1850; works by Swiss and foreign artists from early 15th century onwards, including Hans Holbein the younger, Ribera, Hodler, J. R. Byss, Buchser, Frölicher, 20th-century artists; paintings, sculptures, drawings, water-colours and engravings; Curator Dr. U. KOTTMANN.

Vevey

Musée Jenisch (*Beaux-Arts et sciences naturelles*), **Le Château** (*Musée historique du Vieux-Vevey*): Vevey; f. 1897; paintings and sculpture by Swiss and foreign artists, including Bocion, Courbet, Canaletto; large summer exhibitions; natural science collections of fauna, minerals, birds, shells, etc.; collection illustrating the folklore and history of the district.

Winterthur

Collection Oskar Reinhart am Römerholz: Haldenstr. 95, 8400 Winterthur; f. 1958; public art gallery; library of 1,300 vols. closed to public; Pres. Prof. Dr. E. GRADMANN; Curator Dr. LISBETH STÄHELIN.

Kunstmuseum: Museumstrasse 52, Winterthur; f. 1864; Swiss painting and sculpture from 18th century to present day; French, Italian and German painting and sculpture of 19th and 20th centuries, including Monet, Picasso, Gris, Léger, Klee, Arp, Kandinsky, Renoir, Bonnard, Maillol, Van Gogh, Rodin, Brancusi, Morandi, Giacometti, de Staël, etc.; drawings and prints; administered by **Kunstverein Winterthur**; 1,430 mems.; Pres. Prof. P. BRÄNDLI; Curator Dr. RUDOLF KOELLA; Sec. E. BIRRER; publs. *Jahresbericht des Kunstvereins Winterthur*, collection and exhibition catalogues.

Zürich

Botanischer Garten und Museum der Universität Zürich: Zollikerstr. 107, 8008 Zürich; f. 1836; world-wide herbarium, especially of African and New Caledonian Flora; library of *c.* 50,000 vols.; Dir. Prof. Dr. C. D. K. COOK; publ. *Mitteilungen aus dem Botanischen Museum*†.

Graphische Sammlung der Eidgenössischen Technischen Hochschule: Rämistr. 101, 8092 Zürich; f. 1867; over 100,000 examples of the graphic art of all periods and schools, with special reference to the development of graphic art in Switzerland; Curator Prof. Dr. E. GRADMANN; publs. catalogues covering the work of individual artists and the exhibitions.

Kunstgewerbemuseum der Stadt Zürich: Ausstellungsstrasse 60, Zürich; f. 1874; architecture, applied arts, industrial and folk art of European and non-European countries; graphic art collection, poster collection; public library of 70,000 vols.; affiliated to the museum is the **Museum Bellerive,** Höschgasse 3, Zürich; Curator Dr. Erika Billeter.

Kunsthaus: 1 Heimplatz, Zürich; f. 1787; chiefly 19th- and 20th-century paintings and sculptures by Swiss and foreign artists; early German masters; French impressionists; extensive collection covering all branches of graphic art from 15th century onwards; library of 45,000 vols.; Dir. Dr. Felix Baumann.

Museum Rietberg: Gablerstrasse 15, 8002 Zürich; f. 1952; permanent collection: Asiatic art, art of the Americas, Africa and Oceania, Chinese bronzes, Egyptian textiles; E. von der Heydt collection and others; Curators Dr. E. Fischer, Dr. H. Brinker (East Asia).

Paläontologisches Institut und Museum der Universität: Künstlergasse 16, CH-8006 Zürich; f. 1956; library of 4,000 vols., 13,000 special publs.; Dir. Prof. Dr. H. Rieber.

Schweizerisches Landesmuseum—Musée National Suisse: Museumstrasse 2, CH-8023 Zürich; f. 1898; exhibits illustrate the history and development of culture in Switzerland from prehistoric times to the 20th century; library of 70,000 vols. and 900 periodicals; Dir. Dr. Hugo Schneider; publs. *Zeitschrift für schweizerische Archäologie und Kunstgeschichte*† (quarterly), *Jahresbericht*† (annually).

Zoologisches Museum der Universität: Künstlergasse 16, 8006 Zürich; f. 1837; research in systematics, taxonomy, and population biology; exhibitions of birds, molluscs and mammals of the world and Swiss fauna; public slide shows and films; library of 7,000 vols.; Dir. Prof. H. Burla; publs. *Jahresbericht*† (annually), *list of publications*† (*c.* 2 a year).

UNIVERSITIES

UNIVERSITÄT BASEL

PETERSPLATZ 1, 4051 BASLE

Telephone: 25.73.73.

Founded 1460.

Language of instruction: German; Academic year: October to March, April to July.

Rector: Prof. Ch. Tamm.

Pro-Rector: Prof. C. T. Gossen.

Secretary: H. Joss.

Treasurer: G. Sturm.

Librarian: Dr. F. Gröbli.

Number of teachers: 590.
Number of students: 5,600.

Deans:

Faculty of Theology: Prof. H. Ott.

Faculty of Jurisprudence: Prof. P. Simonius.

Faculty of Medicine: Prof. L. Dettli.

Faculty of Philosophy and History: Prof. M. Schuster.

Faculty of Science: Prof. E. Heilbronner.

Professors:

Faculty of Theology:

Barth, M., New Testament
Geiger, M., Ecclesiastical History, Dogmatics
Jenni, E., Exegesis
Lochman, J. M., Systematic Theology
Neidhart, W., Practical Theology
Ott, H., Systematic Theology, Dogmatics
Reicke, B., New Testament Studies
Schmidt, M. A., Ecclesiastical History, Dogmatics
Stoebe, H.-J., Religious History

Faculty of Jurisprudence:

Eichenberger, K., Public Law
Fuchs, J.-G., Roman Law
Hagemann, H. R., History of Law
Klein, F. E., Civil Law, Comparative Law
Simonins, P., Civil Law
Spiro, K., Germanic Law, Civil Law
Stratenwerth, G., Penal Law
Vischer, F., Civil Law
Wildhaber, L., Public Law

Faculty of Medicine:

Allgöwer, M., Surgery
Battegay, R., Psychiatry
Bucher, K., Pharmacology
Dettli, L., Internal Medicine
Dubach, U. C., Internal Medicine
Gloor, B., Ophthalmology
Hartweg, H., Medical Radiology
Herzog, B., Paediatrics
Hösli, L., Physiology
Kaeser, H. E., Neurology
Käser, O., Gynaecology and Obstetrics
Kielholz, P., Psychiatry
Lévy, A., Neurosurgery
Löffler, H., Bacteriology and Epidemiology
Ludwig, K. S., Anatomy, Histology, Embryology
Morscher, E., Orthopaedics
Pfaltz, C. R., Oto-Rhino-Laryngology
Rutishauser, G., Urology
Schuppli, R., Dermatology and Venereal Diseases
Stalder, G., Paediatrics
Stauffacher, W., Internal Medicine
Thoenen, H., Pharmacology
Walter, P., Chemical Physiology
Zollinger, H. U., Pathological Anatomy

Faculty of Philosophy and History:

Bandle, O., Northern Philology
Berger, L. R., Early History
Bernholz, P., Political Economics
Bloch, A., Comparative Linguistics
Bombach, G., Political Economics
Bonaliuni, G., Italian Philology
Borner, S., Political Economics
Brenk, B., History of Art
Colón, G., Iberoromance Philology
Delz, J., Latin
Frey, R. L., Political Economics
Gossen, C. Th., Romance Philology
Graus, F., Medieval History
Guggisberg, H. R., Swiss and Modern History
Guth, H., Statistics
Heinimann, F., Classical Philology
Hill, W., Economic Aspects of Enterprise
Hornung, E., Egyptology
Kolb, E., Old English and Icelandic Philology
Kopp, R., Romance Philology
Landolt, H. P., Modern History of Art
Löffler, H., German Language
Lüthy, H., Swiss and Modern History
Mattmuller, M., Swiss and Modern History
Meier, F., Islamic Studies
Müller, E. E., German Language
Oesch, H., Musicology
Pestalozzi, K., History of German Literature
Rupp, H., German Language and Literature
Salmony, H., Philosophy
Schuster, M., Ethnology
Stamm, R., English Philology
Steiner, G., Psychology
Stern, M., History of German Literature
Stucky, R., Classical Archaeology
Trappe, P., Sociology
Trümpy, H., Folklore
von Ungern-Sternberg, J., Ancient History

Faculty of Science:

Alder, K., Physics
Arber, W., Molecular Microbiology
Backenstoss, G., Physics of Nuclear Structures
Balli, H., Dyestuff Chemistry
Baumgartner, E., Physics
Burger, M. M., Biochemistry
Eichler, M., Mathematics
Engel, J., Biophysical Chemistry
Fallab, S., Modern Structural Chemistry
Franklin, R. M., Virology
Frey, M., Mineralogy and Petrography
Gallusser, W. A., Geography
Gehring, W. J., Philosophy of Development and Genetics
Gerson, F., Physical Chemistry
Güntherodt, H. J., Experimental Physics
Grob C., Organic Chemistry
Habicht, W., Mathematics
Heilbronner, E., Physical Chemistry
Huber, H., Mathematics
Jansonius, J. N., Structure determination of Biopolymers
Kellenberger, E., Microbiology
Kirschner, K., Biophysical Chemistry
Laubscher, H. P., Geology and Palaeontology
Leser, H., Physical Geography

MEYER, K., Pharmacy
NÜESCH, H., Zoology
OERTLI, J. J., Botany
SCHATZ, G., Biochemistry
SCHMID, E., Pre-history
SCHWARZ, G., Physical Chemistry
STINGELIN, W., Zoology and Morphology
TAMM, CH., Organic Chemistry
TAMMANN, G. A., Astronomy
THOMAS, H., Physics
ZOLLER, H., Botany

UNIVERSITÄT BERN

HOCHSCHULSTRASSE 4,
3000 BERN

Telephone: 031/65 81 11.

Founded 1834.

(incorporating the Theological School, founded 1528).

Language of instruction: German.

Rector: Prof. Dr. H. G. BIERI.

Pro-Rector: Prof. Dr. H. RINGELING.

Secretary and Registrar: Dr. R. THOMANN.

Chief Librarian: Dr. H. MICHEL.

Number of teachers: 661, including 208 professors.

Number of students: 7,014.

DEANS:

Faculty of Evangelical Theology: Prof. Dr. A. LINDT.

Faculty of Old Catholic Theology: Prof. Dr. H. ALDENHOVEN.

Faculty of Jurisprudence and Economics: Prof. Dr. E. BUCHER.

Faculty of Medicine: Prof. Dr. B. ROOS.

Faculty of Veterinary Science: Prof. Dr. H. GERBER.

Faculty of Philosophy and History: Prof. Dr. B. MESMER.

Faculty of Pure Science: Prof. Dr. H. CARNAL.

PROFESSORS:

Faculty of Evangelical Theology:

KLOPFENSTEIN, M. A., Protestant Theology
LINDT, A., History of Religion
MÜLLER, T., Homilectics
RINGELING, H., Ethics and Psychology
WEGENAST, K., Catechetics

Faculty of Old Catholic Theology:

ALDENHOVEN, H., Systematic Theology and Liturgy
STALDER, K., New Testament Exegesis, Homilectics, Catechetics

Faculty of Jurisprudence and Economics:

BÄR, ROLF
BÄUMLIN, R., Constitutional, Administrative and Church Law
BIERI, H. G., Theoretical Economics and Finance
BRUNNER, C., Econometrics
BUCHER, E., Private Law
CARONI, P., Swiss and German Law
GRUNER, E., Social History and Political Analysis
GYGI, F., Administrative Law
KAUFMANN, H., Roman, Comparative and International Private Law
KUMMER, M., Commercial Law
MÜLLER, J. P., Constitutional, Administrative and Civil Law
MÜLLER, W., Business Administration
NIEHANS, J., Political Economy
POPP, W., Operations Research
RUEGG, W., Sociology
SALADIN, P., Constitutional and Administrative Law
TLACH, P., Business Administration
TUCHTFELDT, E., Practical Economy
WALDER, H., Penal Law
WIEGAND, W., Private Law

Faculty of Medicine:

ABELIN, T., Social and Preventive Medicine
AEBI, H., Biochemistry
BERCHTOLD, R., Internal Surgery
BERGER, MAX, Obstetrics and Gynaecology
BETTEX, M., Child Surgery
BICKEL, M., Pharmacology
BUCHER, U., Internal Medicine
CIOMPI, L., Psychiatry
COTTIER, H., Pathology and Anatomy
ECKMANN, L., Surgery
FLEISCH, H. A., Pathology
FUCHS, W., Medicinal Radiology
GURTNER, H. P., Internal Medicine
HEIM, E., Psychiatry
HERREN, P., Oral Medicine
HODLER, J., Internal Medicine
HUBER, P., Radiology
JACHERTZ, D., Hygiene and Bacteriology
KREBS, A., Dermatology and Venereal Diseases
LÄUPPI, E., Forensic Medicine
LOEBELL, E., Oto-Rhino-Laryngology
LÜSCHER, E. F., Biochemistry
MARKWALDER, H., Neurology
MÜLLER, M., Orthopaedics
MÜLLER, P., Physiology
MUMENTHALER, M., Neurology
NEIGER, M., Oto-Rhino-Laryngology
NEUNER, O., Dental and Facial Surgery
NIESEL, PETER, Ophthalmology
PAULI, H., Internal Medicine
PREISIG, R., Clinical Pharmacology
REUBI, F., Internal Medicine
REUTER, H., Pharmacology
RIVA, G., Clinical Propaedontics
ROSSI, E., Children's Diseases
SCHENK, R., Anatomy
SCHERRER, M., Internal Medicine
SCHINDLER, R., Experimental Pathology
SCHROEDER, A., Dental Conservation, Histology and Pathology of Teeth
SENN, A., Thorax Surgery
SOLIVA, M., History of Ancient Pharmacology
STEINEGGER, E., Pharmacology
STRAUB, W., Internal Medicine
STUDER, H., Internal Medicine
TSCHIRREN, B., Anaesthetics
VAN DER ZYPEN, E., Anatomy
VERAGUTH, P. C., Medicinal Radiology
VON WARTBURG, J.-P., Biochemistry
WECK, A. DE, Clinical Immunology
WEIBEL, E., Anatomy, Histology and Cytology
WEIDMANN, S., Physiology
ZINGG, E., Urology

Faculty of Veterinary Medicine:

FANKHAUSER, R., Neuropathology of Domestic Animals
FEY, H., Bacteriology, Serology and Parasitology
FREUDIGER, U., Pathology
GERBER, H., Diseases of Domestic Animals
LUGINBÜHL, H., Veterinary Pathology
MOSIMANN, W., Anatomy, Embryology and Histology
SCHATZMANN, H.-J., Pharmacology
WEBER, W., Animal Breeding and Hygiene

Faculty of Philosophy and Letters:

AEBLI, H., Psychology
BANDI, H.-G., Prehistory and Palaeontology
BEER, ELLEN, History of Medieval Art
BÜRGEL, J.-C., Islamic Studies
CONTI, P., Italian Language and Literature
VON CRANACH, M., Psychology
DONZÉ, R., French Philology
ESCH, A., Medieval History
FOPPA, NIKOLAUS, Psychology
FRICKER, R., English Language and Literature
GELZER, T., Classical Philology
GIGON, O., Classical Philology and Latin
HEINIMANN, S., Romance Philology
HERKOMMER, H., Philology (German)
HOFER, W., Modern History
HÜTTINGER, E., History of Art
IM HOF, U., Swiss History
JAKSCHE, H., Slavonic Languages and Literature
JÁNOSKA, GEORG, Philosophy
JUCKER, H., Classical Archaeology
KILLY, W., Modern German Language and Literature
KUNZE, S., Music
LÜTHI, H. J., Modern German Language and Literature
MARSCHALL, W., Ethnology
MESMER, BEATRIX, History
MOJON, L., Medieval History of Art
DE NORA, E. G. G., Spanish Language and Literature
REDARD, G., Indo-Germanic Studies, with special attention to Classical Languages
UTZ, HANS, English Language and Literature
WALDER, E., Modern World History
WALZER, P., Romance Philology, Modern French Language and Literature
WEISSKOPF, T., Philosophy
WILDBOLZ, R., Modern German Language and Literature

Faculty of Science:

ALLEMANN, F., Geology
ARM, H., Organic Chemistry
BRAUN, R., Microbiology
CARNAL, H., Theory of Appearances
DANIEL, K., Mathematical Statistics
DEBRUNNER, H., Mathematics
EBERHARDT, P., Experimental Physics
ERISMANN, K., Botany
GEISS, J., Experimental Physics
GROSJEAN, G., Geography
VON GUNTEN, H.-R., Radiochemistry
HAHN, B., Experimental and High Energy Physics
HÜGI, T., Geochemistry
JÄGER, EMILIE, Experimental Mineralogy and Petrography
LANG, G., Systematic Botany and Geobotany
LEUPOLD, U., Microbiology and General Biology
LEUTWYLER, H., Theoretical Physics
LUDI, A., Inorganic Chemistry
LÜSCHER, E. F., Biochemistry
LÜSCHER, M., Experimental Morphology and Zoophysiology
NABHOLZ, W., Geology
NEF, W., Higher Mathematics
NEUENSCHWANDER, M., Organic Chemistry
NIGGLI, E., Mineralogy and Petrography
NOWACKI, W., Crystallography
OESCHGER, H., Experimental Physics
PETERS, TJ., Mineralogy and Petrography
RÄTZ, J., Mathematics
SCHALTEGGER, H., Synthetic Organic Chemistry
SCHANDA, E., Applied Physics

Scheffold, R., Organic Chemistry
Schindler, P., Inorganic Chemistry
Schmidt, E., Physical Chemistry
Schumacher, E., Inorganic Chemistry
Schürer, M., Astronomy
Tschanz, B., Zoology
Tschumi, P., Zoology
Weber, R., Zoology
Wilker, P., Mathematics
Zahler, P., Biochemistry

UNIVERSITÉ DE FRIBOURG

1700 FRIBOURG
Telephone: 037/21-91-11.
Founded 1889.

Languages of instruction: French and German; State control.

Rector: Prof. G. Gaudard.

Vice-Rectors: J. D. Barthélemy, H. Kleisli, C. Pfaff.

Administrator: H. E. Brülhart.

Librarian: G. Delabays.

The library contains over 1,000,000 vols.

Number of teachers: 228.
Number of students: 3,998.

Deans:

Faculty of Theology: Prof. C. Pinto de Oliveira.
Faculty of Law, Economics and Social Sciences: Prof. E.-B. Bluemle.
Faculty of Philosophy: Prof. E. Seebold.
Faculty of Natural Sciences: Prof. F.-P. Emmenegger.

Full Professors:

Faculty of Theology:

Barthélemy, J.-D., Old Testament Exegesis
Baumgartner, J., Liturgy
Corecco, E., Canon Law
Keel, O., Old Testament
Nicolas, J.-H., Dogmatic Theology
O'Neill, C. E., Dogmatic Theology
Philippe, Marie-Dominique, Philosophy
Pinto de Oliveira, C. J., Moral Theology
Siegwart, J., Ecclesiastical History
Stirnimann, H., Fundamental Theology
Tremel, B., New Testament
Van Damme, D., Patrology
Vitalini, S., Dogmatic Theology

Faculty of Law, Economics and Social Sciences:

Abele, H., Economics
Balestra, P., Econometrics
Billeter, E. P., Statistics, Automation, Operations Research
Blümle, E. B., Marketing
Carlen, L., History of Law
Clerc, F., Criminal Law and Canon Law
Darbellay, J.-J., Public Law, Administrative Law, Philosophy of Law
Dicke, C. D., Public Law
Dufour, A., History of Law
Eppler, R., Economics
Fleck, F., Economic Theory
Fleiner, T., General and Swiss Public Law
Gauch, P., Civil Procedural Law
Gaudard, G., International Commerce, Regional Economics
Kirsch, G., Science of Finance
Kohlas, J., Operations Research
Kleinewefers, H., Political Economy
Lucchini, R., Sociology
Macheret, A., General Administrative Law
Overbeck, A., Private International Law
Pasquier, J., Marketing
Schmitt, B., Economic Theory
Schnyder, B., Private Law
Steinauer, P. H., Private Law
Tercier, P., Private Law
Valarché, J.-M., Economics
Wittmann, W., Theoretical Economics and Finance
Wubbe, F., Roman Law

Faculty of Letters:

Boesch, G., Swiss History
Bürgel, C., Islamology
Capol, M., Applied Psychology
Flammer, A., Psychology
Forssman, B. J., Compared Indo-Germanistic Linguistics
Giraud, Y., French Literature
Hoeffe, O., Social Philosophy
Huber, H., Ethnology
Kahil, L., Classical Archaeology
Küng, G., Philosophy
Ladner, P., Science of History
Luyten, N., Psychology
Menichetti, A., Romanistic Philology
Müller, K., Classical Philology
Neumann, P. H., German Literature
Perrez, M., Education
Pfaff, C., General Medieval History
Piérart, M., Latin
Pozzi, G., Italian Literature
Puelma, M., Classical Philology
Raab, H., Modern History
Roudaut, J., French Literature
Ruffieux, R., General Modern History
Schmid, A. A., History of Art
Seebold, E., German Philology
Studer, E., German Philology
Sugranyes de Franch, R., Iberian Literatures
Tagliavini, L., History of Music
Zawadski, T., Ancient History
Zeller, H., Modern German Literature

Faculty of Natural Sciences:

Antille, A., Mathematics
Caron, C., Geology
Conti, G., Histology
Ehmenegger, F. P., Inorganic Chemistry
Faller, A., Anatomy
Giovannini, E., Organic Chemistry
Haab, P., Physiology
Holmann, H., Mathematics
Houriet, A., Theoretical Physics
Huber, O., Experimental Physics
Kleisli, H., Mathematics
Mayr, R., Anatomy and Embryology
Meier, H., Botany
Nickel, E., Mineralogy and Petrography
Piveteau, J.-L., Geography
Portmann, P., Physiological Chemistry
Schmid, J., Mathematics
Schowing, J., Zoology
Tobler, H., Zoology
Wiesendanger, M., Physiology
von Zelewsky, A., Inorganic Chemistry

Associated Institutes:

Institute of Pastoral Theology: Dirs. Prof. Schüepp, J.-M. Pasquier.

Institute of Moral Theology: Dir. S. Pinckaers.

Institute for Missions and the Study of Religions: Dir. R. Friedli.

Institute for Ecumenical Studies: Dir. H. Stirnimann.

Institute for Automation and Operations Research: Dir. E. Billeter.

Institute of Economic and Social Sciences: Dir. F. H. Fleck.

Institute for Journalism: Dir. F. Fleck.

Institute of Pedagogy: Dir. Prof. M. Perrez.

Institute of Therapeutic Pedagogy and Social Work: Dir. E. Montalta.

Institute for East European Studies: Dir. G. Küng.

Institute for Practical French: Sec. M. Hatem.

Institute for Practical German: Dir. G. Schneider.

Institute for Practical English: Dir. Prof. A. Eisenving.

International Institute of Social and Political Sciences: Dir. O. Höffe.

Institute of Medieval Studies: Dirs. P. Ladner, A. Schmid, C. Pfaff.

Institute of Psychology: Dir. A. Flammer.

Institute for Cardio-Angeological Research: Dir. Y. F. Liard.

Institute of Physical Education and Sport: Dir. P. Pally.

UNIVERSITÉ DE GENÈVE

3 PLACE DE L'UNIVERSITÉ,
1211 GENEVA 4
Telephone: (022) 25.63.50.
Founded 1559.

Language of instruction: French.

Rector: Prof. Justin Thorens.

Registrars: B. Ducret, D. Föllmi, C. Bossy.

Librarian: P. Chaix.

Library: *see* Libraries.

Number of teachers: 695, including 261 professors.
Number of students: 8,408.

Publications: *Programme, Guide, Catalogue, Dies Academicus.*

Deans:

Faculty of Science: Prof. B. Levrat.
Faculty of Letters: Prof. J. C. Favez.
Faculty of Economics and Social Science: (vacant).
Faculty of Law: (vacant).
Faculty of Medicine: M. Jenny.
Faculty of Protestant Theology: Prof. F. Bovon.
Faculty of Psychology and Educational Sciences: Prof. A. Munari.

Professors:

Faculty of Science:

Bargetzi, J.-P., Biochemistry
Béné, G., Hertzian Spectroscopy
Bill, H., Physical Chemistry
Bouvier, P. B., Astrophysics
Brönnimann, P., Palaeontology
Buchs, A., Mass Spectrometry

Buri, P., Galenic Pharmacy
Caro, L., Biology
Chessex, R., Mineralogy, Petrography
Crippa, M., Animal Biology
Delaloye, M., Mineralogy
Deshusses, J., Biochemistry
Ducloz, C., Geology and Paleontology
Eisen, H., Molecular Biology
Enz, C., Theoretical Physics
Epstein, R., Biology
Extermann, P., Nuclear Physics
Fischberg, M., General Zoology
Fischer, O., Physics
Frölicher, A., Higher Calculus
Fulpius, B., Biochemistry
Gallay, A., Anthropology
Gatto, R., Theoretical Physics
Giovannini, B., Solid State Physics
Gloor, H., Genetics
Golay, M., Astronomy
Greppin, H., Botany
Guenin, M., Theoretical Physics
Haefliger, A., Linear Algebra and Topology
Haerdi, W., Mineral Chemistry
De Haller, G., Animal Biology
Harms, J., Electronic Calculus
Heer, E., Experimental Nuclear Physics
Huggel, H., Comparative Anatomy and Physiology
Imhof, J.-P., Mathematics
Jaffe, F., Mineralogy
Janjic, D., Chemical Physics
Jeanquartier, P., Mathematics
Jefford, Ch., Organic Chemistry
Jørgensen, Ch., Chemical Physics
Kapétanidis, I., Pharmacognosy
Kervaire, M., Mathematics
Lacroix, R., Rational Mechanics
Levrat, B., Interfaculty Electronic Computing
Lucken, A., Chemistry
Maeder, D., Electronics
Martin, M., Nuclear Physics
Martinet, L., Astronomy
Mermod, R., Experimental Nuclear Physics
Miège, Systematic Botany
Miller, J., Biology
Moeschler, P., Anthropology
Muller, Edith, Astronomy
Muller, J., Experimental Physics
Oppolzer, W., Organic Chemistry
Parthé, E., Structural Crystallography
Peter, M., General Physics
Piron, C., Theoretical Physics
Ruegg, H., Theoretical Physics
Rufener, F., Astronomy
Sauter, M., Anthropology, Palaeontology
Schaffner, K., Organic Chemistry
Sierro, J., Physics of Condensed Matter
Spahr, P. F., Genetical Biochemistry
Stein, E., Biochemistry
Streit, F., Mathematics
Tissieres, A., Biology
Tronchet, J., Pharmaceutical Chemistry
Turian, G., Botany
Vuagnat, M., Mineralogy, Petrography, Prospecting
Wanner, G., Mathematics
Weber, C., Mathematics
Weil, R., Biology

Faculty of Letters:

Baczko, B., History of Mentalities
Besset, M., Contemporary History of Art
Binz, L., National History
Blair, J., American Literature
Boeschenstein, B., German Literature
Bolens, L., Medieval History
Bouvier, B., Modern Greek
Burckhardt, A., Modern History
Burger, M., Romance Philology
Butor, M., Romance Philology
Dällenbach, L., Modern French
Deuchler, F., History of Art
Dörig, J., Classical Archaeology
Dragonetti, R., Medieval Romance Languages and Literature
Estreicher, Z., Musicology
Favez, J.-C., Contemporary History
Gagnebin, B., Research Techniques
Giovannini, A., History of Antiquity
Gorni, G., Medieval Italian
Hari, R., Egyptology
Heinemann, R., Japanese
Hurst, A., Classical Greek
Jargy, S., Muslim and Arab Civilization
Jeanneret, M., History of French Literature
Kasser, R., Oriental Languages
Kolde, G., German Linguistics and Stylistics
Lopez-Molina, L., Spanish Language and Literature
Morier, H., French Philology
De Muralt, A., Philosophy of Middle Ages
Nivat, G., Russian Literature and Civilization
Ossola, C., Modern Italian
Paschoud, F., Latin Literature
Philonenko, A., Philosophy and History of Philosophy
Polletta, G., Modern English Literature and Civilization
Prieto, L., General Linguistics
Py, A., French Literature
Reverdin, O., Greek Language and Literature
Roethlisberger, M., History of Modern Art
Roulet, G.-E., French Linguistics
Rudhardt, J., History of Ancient Religions
Starobinski, J., History of Ideas and French Literature
Steiner, G., Comparative Literature
Taylor, P. B., Medieval English

Faculty of Economics and Social Science:

Bairoch, P., Economic History
Bender, A., Industrial Organization
Cuendet, G., Industrial Organization
Fontela, E., Econometry
Girod, R., Sociology
Guichonnet, P., Human Geography
L'Huillier, J., Political Economy
L'Huillier, L., Contract Law and Transport Law
Manara, C.-F., Econometry
Mentha, G., Industrial Organization
Modoux, G., Industrial Organization
Piuz, A.-M., Economic History
Raffestin, C., Geography
Roig, C., Political Science
Schellhorn, J.-P., Statistics
Sidjanski, D., Political Sciences
Solari, L., Econometry
Tricot, C., Statistics
Tschopp, P., Political Economy
Weber, L., Political Economy
Ziegler, J., Sociology

Faculty of Law:

Bauer, H., Swiss Civil Law
Dallèves, L., Swiss Commercial Law
Dominice, C., Public International Law
Dufour, A., History of Institutions and Law
Graven, Ph., Penal Law
Habscheid, W., Civil Procedure
Hanisch, H., German Civil Law
Hirsch, A., Commercial Law
Junod, Ch.-A., General Administrative Law
Knapp, B., Administrative Law
Lachenal, J.-A., Private International Law
Lalive, P., Private International Law
Martin-Achard, E., Patents
Morand, C.-A., Constitutional Law
Oberson, R., Fiscal Law
Perrin, J.-F., Introduction to the Science of Law
Rens, I., History of Political Doctrines
Schonle, H., Contracts
Stauder, J., German Commercial Law
Thorens, J., Civil Procedure

Faculty of Medicine:

Babel, J., Ophthalmology
Baud, C. A., Morphology
Baumann, F., Physiology
Baune, L., Dentistry
Bernheim, J., Legal Medicine
Chatelanat, F., Pathology
Chantraine, A., Physical and Rehabilitation Medicine
Cimasoni, G., Dentistry
Courvoisier, B., Medicine
Cruchaud, A., Immunology
Cuendet, A., Paediatrics
Fabre, J., Medicine
Fallet, G.-H., Medical Hydrology, and Climatology
Favarger, P., Physiological Chemistry
Ferrier, P., Paediatrics
Fiore-Donno, G., Dentistry
Garrone, S., Psychiatry
Gauthier, G., Neurology
Gemperle, M., Anaesthesiology
Girardier, L., Physiology
Glasson, B., Materia Medica
Hermann, W., Gynaecology and Obstetrics
Jeanneret, O., Social and Preventive Medicine
Jeanrenaud, B., Clinical Biochemistry
Jenny, M., Co-ordination of Medical Studies
Kapanci, Y., Pathology
Klein, D., Human Genetics
Laugier, P., Dermatology
Megevand, R., Surgery
Miescher, P. A., Haematology
Muller, A.-F., Physiopathology
Nally, J.-N., Dentistry
Orci, L., Morphology
Paunier, J.-P., Radiotherapy
Posternak, J., Physiology
Regamey, R., Medical Microbiology
Renold, A., Clinical Biochemistry
Rohner, A., Surgery
Rous, S., Biochemistry
Rutishauser, W., Cardiology
Spirgi, M., Dentistry
Straub, R., Pharmacology
Taillard, W., Orthopaedics
Tissot, R., Psychiatry
Vassalli, P., Pathology
Werner, A., Neuro-Surgery
Wettstein, P., Radiology
Wildi, E., Pathology

Faculty of Protestant Theology:

Bovon, F., New Testament Exegesis
Chappuis, J., Practical Theology
Fatio, O., History
Martin-Achard, R., Old Testament Exegesis
Morel, B., Apologetics
Widmer, G., Dogmatics

School of Architecture:

Beerli, A., History of Medieval and Modern Art and Architecture
Brera, G., Town Planning
Brivio, P., History of Contemporary Architecture
Carloni, T., Theory and History of Architecture
Gilliard, D., Analysis and Planning of Environment
Holy, J.-C., Geometry and Mathematics

Insolera, I., Theory and History of Town Planning
Ludi, J. C., Architecture and Communication
Mechkat, C., Methods of Production of Buildings
Merminod, P., Construction
Moreno, P., Analysis of Construction and Alternative Technologies
Reverdin, R., Analysis of Environment

Faculty of Psychology and Educational Sciences:

Section of Psychology:

Bang, V., Educational Psychology and Psychological Methodology
Bullinger, A., Role of the Sensory Motor in Cognitive Activities
Cellerier, G., Genetic Epistemology, Models of the Experimental Simulation of Behaviour
Doise, W., Social Psychology
de Lannoy, J., Introduction to Psychology, Experimental Psychology
Etienne, A., Ethology
Inhelder, B., Genetic and Experimental Psychology, Educational Psychology
Mounoud, P., Psychology of Personality Development
Munari, A., Educational Psychology in the School
Reymond-Rivier, B., Psychology of Affectivity, Projective Methods
Schmid-Kitsikis, E., Clinical Psychology
Sinclair, H., Psycholinguistics, Psychopathology of Language
Stucki, J.-D., Neuropsychology, Introduction to Child Psychopathology, Motor Development and its Pathologies
Voneche, J., Child and Adolescent Psychology
Wermus, H., Introduction to Logic, Formal Logic

Section of Educational Sciences:

Allal, L., Pedagogical Evaluation
Bayer, E., Research Techniques in Education
Bronckart, J.-P., Introduction to Language Theories
Denis, M., Psycho-pedagogy
Duparc, G., Nursery School Education
Furter, P., Planning and Development of Training Programmes
Huberman, M., General Pedagogy
Massarenti, L., Introduction to Experimental Pedagogy
Pantillon, C., Philosophy of Education

Other Institutes, Associate Colleges, and Schools:

École de Traduction et d'Interprétation: trains translators and interpreters in 7 languages; Dir. Prof. R. E. Williams.

École de langue et civilisations françaises: Dir. G. Meid.

École d'Education Physique et de Sport: Dirs. Prof. S. Fallet, J. Brechbuhl.

Institut Universitaire de Hautes Etudes Internationales (*Graduate Institute of International Studies*): 132 rue de Lausanne; f. 1927; a research and teaching institution studying international questions from the juridical, political and economic viewpoints.
Director: Dr. J. Freymond.

Institut Universitaire d'Etudes du Développement: 24 rue Rothschild, 1202 Geneva.

Institut Universitaire d'Etudes Européennes: 122 rue de Lausanne, 1211 Geneva 21; f. 1963; teaching and research in the fields of history of ideas, economics, political science, regionalism, law.

Director: Denis de Rougemont.

Centre Universitaire d'Etudes Oecuméniques (*Graduate School of Ecumenical Studies*): Château de Bossey, Céligny; Dir. N. A. Nissiotis.

Centre d'Etudes Industrielles: 4 Chemin de Conches, Geneva; f. 1946; a postgraduate school of international industrial administration.
Director: B. Hawrylyshyn.
Secretary-General: M. Daetwyler.
Librarian: Miss T. Seiler.

UNIVERSITÉ DE LAUSANNE

PLACE DE LA CATHEDRALE 4,
CASE POSTALE 611,
1000 LAUSANNE 17
Telephone: 021/220031.

Founded 1537.

Language of instruction: French; Academic year: October to July.

Rector: Prof. D. Rivier.

Vice-Rectors: Prof. E. Giddey, Prof. J. Brack.

Administrative Director: J. Zeissig.

Librarian: J. P. Clavel.

Library: *see* Libraries.

Number of teachers: 435.

Number of students: 4,000.

Publications: *Cahiers de la Faculté de Théologie, Publications de la Faculté des Lettres, Bulletin de l'Institut de Géologie, Uni Lausanne*†, also essays and documents on the history of the University.

Deans:

Faculty of Theology: Prof. E. Peter.
Faculty of Jurisprudence: Prof. P. Moor.
Faculty of Medicine: Prof. G. Favez.
Faculty of Letters: Prof. A. Stäuble.
Faculty of Science: Prof. R. Huguenin.
School of Social and Political Science: Prof. R. Droz.
School of Higher Commercial Studies: Prof. R. Grosjean.
School of Pharmacy: Prof. J. C. Etter.

Professors:

Faculty of Theology:

Amsler, S., Old Testament
Bieler, A., Church and Society
Blaser, K., Dogmatics
Bonnard ,P., New Testament
Bridel, C., Practical Theology
Gisel, P., History of Modern and Contemporary Theology
Keller, C., Old Testament
Mauris, E., History of Modern Theology
Peter, E., History of the Church
Rumpf, L., Ethics
Senft, C., Exegesis and Theology of the New Testament
Zoss, W., Practical Theology

Faculty of Law:

Dutoit, B., Comparative Civil Law
Flattet, G., French Civil Law
Gauthier, J., Penal Law
Gilliard, F., Commercial Law
Grisel, E., General Constitutional Law
Hofstetter, J., Roman Law
Mathyer, J., Forensic Science
Mercier, P., Private Law of the European Communities
Moor, P., General Administrative Law
Perrin, G., International Law
Piotet, P., Civil Law
Poudret, J.-F., History of Law
Schaller, F., Political Economy
Viret, B., Social Legislation
Wurlod, M., Fiscal Law

Faculty of Medicine:

Bonifas, V. Microbiology
Bossart, H., Gynaecology, Obstetrics
Bron, C., Biochemistry
Bucher, O., Embryology, Histology
Candardjis, G., Medical Radiology
Delachaux, A., Social and Preventative Medicine
Delacrétaz, J., Dermatology and Venereal Diseases
Dolivo, M., Physiology and Physiological Chemistry
Favez, G., Pneumology
Freedman, L., Clinical Medicine
Freeman, J., Anaesthesiology
Gardiol, D., Pathological Anatomy
Gautier. E., Paediatrics
Genton, N., Child Surgery
Henny, R., Paedopsychiatry
Isliker, H., Biochemistry
Jequier, E., Physiology
Jequier-Doge, E., Internal Medicine
Karamata, D., Microbiology
Lichenthaeler, C., History of Medicine
Magnenat, P., Clinical Medicine
Merz, W., Obstetrics and Gynaecology
Mosimann, R., Surgery
Muller, C., Psychiatry
Nicod, L., Orthopaedics
Ozzello, L., Pathological Anatomy
Perret, Cl., Physiopathology
Peters, G., Pharmacology
Prodhom, L. S., Paediatrics
Ribeaupierre, F. de, Physiology
Saegesser, F., Clinical Surgery
Saudan, Y., Physiology
Savary, M., Oto-Rhino-Laryngology
Schneider, P.-B., Theoretical and Forensic Psychiatry
Streiff, B., Ophthalmology
Thélin, M. H., Forensic Medicine
Van der Loos, H., Anatomy
Verdan, C., Surgery
Zander, E., Neuro-Surgery

Faculty of Letters:

Berard, C., Archaeology
Biaudet, J.-Ch., Modern History
Bridel, L., Geography
Castelnuovo, E., History of Art
Christoff, D., Philosophy
Dubois, A., Modern History
Ducrey, P., Ancient History
Giddey, E., English Language and Literature
Gsteiger, M., Comparative Literature
Guex, A., Applied Linguistics
Guisan, G., French Language and Literature
Jéquier, F., General Contemporary History
Junod, Ph., History of Art
Kemball, R., Russian
Kirby, I., English Philology

Lara, A., Spanish Language and Literature
Lasserre, F., Greek Language and Literature
Lenschen, W., German Philology
Mahmoudian, M., General Linguistics
May, J., Buddhist Philosophy and Philology
Mercanton, J., French Literature
Molnar, M., Contemporary General History
Piguet, J.-C., Philosophy
Racine, J. B., Geography
Regamey, C., Slav Literature and Sanskrit
Roth, C., Romance Languages and Literature
Rück, P., Swiss and Medieval History
Schmid, P., Latin Language and Literature
Schroeter, J., American Literature
Seylaz, J. H., French Language and Literature
Stäuble, A., Italian Language and Literature
Stauffacher, W., German Language and Literature
Voelke, A., Philosophy

Faculty of Science and School of Pharmacy:
Ayrton, S., Mineralogy
Boechat, J., Numbers Theory and Differential Geometry
Brunisholz, G., Special Mineral Chemistry
Burlet, O., Mathematics
Burri, M., Geology, Palaeontology
Clemençon, H., Cryptogamy
Dahn, H., Organic Chemistry
Delessert, A., Mathematics
Derighetti, A., Algebra
Erdos, P., Theoretical Physics
Escher, A., Geology
Etter, J. C., Pharmacy
Fauconnet, L., Microscopy
Feschotte, P., General Mineral and Analytical Chemistry
Gailloud, M., Nuclear Physics
Guenin, H., Comparative Zoology
Hauck, B., Astronomy
Hirt, B., Biochemistry
Huguenin, R., Physics
Jequier, E., General Physiology
Joseph, C., Nuclear Physics
Kesselring, U., Pharmaceutical Analysis
Loeffel, J.-J., Theoretical Physics
Maumary, S., Mathematics
Merbach, A., Mineral and Analytical Chemistry
Methée, P.-D., Mathematics and Analysis
Meyer-de Stadelhofen, C., Geophysics and Technical Petrography
Pilet, P.-E., Vegetal Physiology
Poncet, D., Mathematics and Analysis
Rinderer, L., Physics
Rivier, D., Experimental Physics
Rothen, F., General Physics
Roulet, R., Mineral and Analytical Chemistry
Schlosser, M., Chemistry
Schwarzenbach, D., Original Chemistry
Steck, A., Mineralogy, Radio-Cristallography
Steinemann, S., Physics of Metal
Testa, B., Pharmaceutic Chemistry
Villaret, P., Botany
Vincent, G., Mathematics
Vogel, P., Animal Zoology and Ecology
Wanders, G., Quantum Physics
Woodtli, R., Mineralogy
Wyler, H., Organic Chemistry
Zryd, J.-P., Vegetal Physiology

School of Social and Political Sciences and School of Commercial Studies:
Aguet, J.-P., History of Political Doctrines
Amsler, M.-H., Actuarial Mathematics
Bergier, J., Psychology
Berthoud, G., Social and Cultural Anthropology
Borschberg, E., Economics
Brack, J., Fiscal Law
Bridel, L., Geography
Busino, G., Sociology
Chuard, P., Financial Mathematics, Technique of Insurance
Dolivo, M., Psychopathology of Neurosystems
Droz, R., General Psychology
Dupont, J. B., Psychology
Gendre, F., Applied Psychology
Goetschin, P., Economics
Gonvers, J. P., Technical Research in Social Sciences
Grosjean, R., Introduction to Higher Commercial Studies
Hort, M., Actuarial Mathematics
Iffland, C., National Economy
Jeannet, M., Social Psychology
Lambelet, J. Chr., Economics
Lara, B., Operational Research
Lasserre, A., 19th- and 20th-Century History
Lenoir-Degoumois, V., Social Politics
Leresche, G., Mathematics
Masnata, F., Political Science
Mattei, A., Economics
Monnier, L., Political Sciences
Palmade, G., General Education
Pelet, P.-L., Diplomatic History
Probst, A., Informatics
Racine, J. B., Geography
Reymond, C., Introduction to Law Studies
Rieben, H., National Economy and European Problems
Ruffieux, R., Political Science
Rusconi, B., Introduction to Law
de Senarclens, P., International Relations in the 20th century
Solari, L., Statistics
Willener, A., Sociology of Mass Communications

UNIVERSITÉ DE NEUCHÂTEL

2000 NEUCHÂTEL
Telephone: 038/253851.
Founded 1909.
Language of instruction: French.

Rector: Prof. J.-B. Grize.
Vice-Rectors: Prof. J.-M. Grossen, E. Jeannet.
Secretary-General: M. Vuithier.

Number of teachers: 200.
Number of students: 1,800.
Publications: *Recueils, Annales.*

Deans:

Faculty of Letters: Prof. R. Scheurer.
Faculty of Science: Prof. P. Huguenin.
Faculty of Jurisprudence and Economics: Prof. J. Guinand.
Faculty of Theology: Prof. P. Barthel.

Full Professors:

Faculty of Letters:
Allemand, A., French Language and Literature
Blaser, R.-H., German Language and Literature
Borel, J.-P., Spanish Language and Literature
Brunner, F., History of Philosophy
Centlivres, P., Ethnology
Chiffelle, F., Geography
Egloff, M., Archaeology
Eigeldinger, M., French Language and Literature
Fasani, R., Italian Language and Literature
Gassier, P., History of Art
Gendre, A., French Literature
Grize, J.-B., Logic, History and Philosophy of Science
Lichtenhahn, E., Musicology
Mareys, Z., History of French Language
Marguerat, P., Modern History
Matthey, F., English Language and Literature
Muller, Ph., General Philosophy, Psychology
Roulet, Ls. Ed., Swiss and General History
Rychner, J., Medieval French Language and Literature
Scheurer, R., Medieval History
Schneider, A., Latin Language and Literature
Spoerri, W., Greek Language and Literature
Thompson, P., French Language and Literature
Treheux, J., Archaeology and Ancient History
Zellweger, R., German Language
Zimmermann, G.-D., English Language and Literature

Faculty of Science:
Aeschlimann, A., Zoology, Comparative Anatomy
Amiet, J.-P., Theoretical Physics
Bader, R., Mathematics
Banderet, P., Mathematics
Bernauer, K., Inorganic and Analytical Chemistry
Bonanomi, J., Physics
Burger, A., Hydrogeology
Daendliker, R., Optics
Diehl, P.-A., Zoology
Dinichert, P., Experimental Physics
Erard, P.-J., Information Science
Favarger, C., Botanical Biology
Form, W., Metallurgy
Huguenin, P., Theoretical Physics
Jaccard, C., Physics
Jacot-Guillarmod, A., Organic Chemistry
Jeannet, E., Physics
Kübler, B., Mineralogy, Petrography
Martinoli, P., Physics
Marty, W., Inorganic and Analytical Chemistry
Matthey, W., Ecology
Mermod, C., Zoology
Pellandini, F., Electronics
Persoz, F., Petrography
Remane, J., Palaeontology
Richard, J.-L., Ecology
Robert, A., Mathematics
Rossel, J., Experimental Physics
Schaer, J.-P., Geology
Siegenthaler, P.-A., Vegetal Physiology
Sigrist, F., Mathematics
Sörensen, W., Mathematics
Stoeckli, F., Physical Chemistry
Stutz, E., Biochemistry
Suter, U., Mathematics
Tabacchi, R., Organic Chemistry
Zangger, C., Nuclear Physics

Faculty of Jurisprudence and Economics:
Aubert, J.-F., Constitutional Law
Benöhr, H.-P., History of Law
Bois, P., Administrative Law

Bolle, P.-H., Penal and European Law
Burgat, P., Mathematics
Clerc, F., Penal Law
Curchod, F., Property Law
Erard, M., Sociology
Erbé, R., Political Economics
Gern, J.-P., History of Economics
Grossen, J.-M., Civil Law
Guinand, J., Civil Law
Haag, D., Financial Economics
Jeanpretre, R., Law of Obligation
Jeaurmand, C., Public Economics
Juvet, J.-L., Economics and Statistics
Knoepfler, F., International Law
Maillat, D., Political Economics
Mehling, J., Commercial and Industrial Economy
Papaloïzos, A., Psychology
Rousson, M., Psychology
Ruedin, R., Commercial Law
Strohmeier, A., Information Science
Thévenaz, H., Elementary Law and International Law
Weibel, E., Political Science

Faculty of Theology:
Barthel, P., Modern Church History
Leuba, J.-L., Systematic Theology
de Pury, A., Old Testament
Rordorf, W., Medieval Church History
Von Allmen, J.-J., Practical Theology
Zumstein, New Testament

Associate Colleges and Institutes:

Seminary of Modern French for Foreigners: number of professors, 10; number of students, 150.

Director: A. Allemand.

Institute of Physics.

Institute of Chemistry.

Institute of Biology.

Institute of Mathematics.

Institute of Geology.

Institute of Metallurgy.

Institute of Microtechnics.

UNIVERSITÄT ZÜRICH

RÄMISTRASSE 71, 8006 ZÜRICH
Telephone: 32-62-41.
Founded 1833.
Language of instruction: German.

Rector: Prof. P. G. Waser.
Secretary: Dr. F. Züsli-Niscosi.

The library contains 1,600,000 vols.
Number of teachers: 1,389.
Number of students: 12,736.

Deans:

Faculty of Theology: Prof. H. Schmid.
Faculty of Law and Politics: Prof. J. Rehberg.
Faculty of Medicine: Prof. W. Siegenthaler.
Faculty of Veterinary Medicine: Prof. M. Berchtold.
Faculty of Philosophy—I: Prof. P. Brang.
Faculty of Philosophy—II: Prof. C. H. Eugster.

Professors:

Faculty of Theology:
Altendorf, H. D., History of Dogma, Patristics
Bernet, W., Psychology of Religion
Büsser, F., Ecclesiastical History
Ebeling, G., Fundamental Theology
Geisser, H., Systematic Theology
Leuenberger, R., Practical Theology
Schmid, H. H., Old Testament and History of Religions
Schulz, S., New Testament
Schweizer, E., New Testament
Strohm, Th., Systematic Theology and Social Ethics

Faculty of Law and Politics and Economics:
Allemann, H., Practical National Economics
Bauknecht, K., Electronic Data Processing (Informatics)
Bohley, P., Statistics and Finance
Forstmoser, P., Trade Law
Frey, B. S., Theory and Practice of Social Economics
Garbers, H., Econometry and Mathematical Statistics
Häfelin, U., State and Administrative Law, Constitutional History
Haller, H., Finance
Haller, W., State and Administrative Law
Hässig, K., Operations Research
Hauser, G., Theory and Practice of Social Economics
Hauser, J. A., Political and Demographic Economics, Development Politics
Hauser, M., Theory and Practice of Social Economics
Hauser, R., Criminal and Criminal Case Law
Hegnauer, C., Swiss Civil Law
Kägi, W., Law of Nations, State, Church, and Constitutional Law
Kall, P., Operations Research and Mathematical Methods of Economics
Keller, M., Civil Code, Obligatory and Private Insurance Law, International Private Law
Kilgus, E., Vocational Training
Krulis-Randa, J., Training in Economics
Linder, W., Swiss Economics and Special Economic Politics
Meier-Hayoz, A., Theoretical and Practical Social Economics
Nef, H., Philosophical, State and Administrative Law
Noll, P., Criminal Law, Law Instruction
Peter, H., Roman Law, Swiss Civil Law
Rehberg, J., Criminal Law
Rehbinder, M., Labour Law, Sociology of Law, Press Law
Riemer, H. M., Swiss Civil Law
Ritzmann, F., Theory and Practice of Social Economics
Rühli, E., Management Training
Schelbert-Syfrig, Mrs. H., Theory and Practice of Social Economics
Schindler, D., Law of Nations and State
Schneider, H., Theoretical and Practical Social Economics
Schluep, W. R., Swiss and European Private and Economic Law
Schott, C. D., History of Swiss and German Law
Siegenthaler, H. J., Political Economics and Economic History
Soliva, C., History of German and Swiss Private Law
Stark, E., Civil and Commercial Law
Walder, H. U., Civil Case Law and Bankruptcy Law
Weilenmann, P., Business Accounting and Training of Commercial Instructors
Weimar, P., Roman and Civil Law
Zuppinger, F., Financial and Revenue Law

Faculty of Medicine:
Akert, K., Neurology and Anatomy
Ammann, R., Medical Gastroenterology
Angst, J., Psychiatry
Anliker, M., Biomedicine
Baumgartner, G., Neurology
Bollinger, A., Angiology
Böni, A., Physical Therapy
Borbély, A. A., Psycho-Pharmacology
Brunner, U. V., Special Surgery, Lymphology, Phlebology
Buff, H.-U., Surgery
Bühlmann, A., Pathological Physiology
Christen, Ph., Biochemistry
Corboz, R., Psychiatry for Children and Juveniles
Cuénod, M., Neurology and Anatomy
Deyhle, P., Internal Medicine
Duc, G., Neonatology
Eberle, H., Traumatology
Ernst, K., Clinical Psychiatry
Fisch, U., Oto-Rhino-Laryngology
Fischer, J. A., Calcium Metabolism and Assimilation in Orthopaedics
Frick, P., Internal Medicine-Haematology
Friede, R. L., Neuro-Pathology
Fritz-Niggli, Mrs. H., X-ray Biology
Froesch, E., Biochemical Pathophysiology
Gitzelmann, R., Paediatrics
Hartmann, H., Legal Medicine
Hedinger, Ch., Pathology
Herzka, H., Psychopathology of Infants and Children
Hess, R., Neurology
Hitzig, W., Paediatrics
Horst, W., Radio Therapy, Nuclear Medicine
Hossli, G., Anaesthetics
Humbel, R., Biochemistry
Hunsperger, R., Physiology, Neurology
Isler, W., Paediatric Neurology
Jerusalem, F., Neurological Polyclinics
Kägi, J., Biochemistry
Kayser, F., Medical Microbiology
Keller, P. J., Gynaecology, especially Patho-Physiology of Reproduction
Kind, H., Psychotherapy
Klöti, R., Ophthalmology
Koelbing, H. M., History of Medicine
Koller, E. A., Physiology
Krayenbuehl, H.P., Internal Medicine, Cardiology
Kubik, S., Anatomy
Labhart, A., Pathological Physiology
Langemann, H., Pharmacology
Largiader, F., Transplantation Surgery
Lichtensteiger, W., Neuro-Pharmacology
Lindenmann, J., Experimental Microbiology
Martz, G., Clinical Oncology
Mayor, G., Urology
Meyer, U. A., Clinical Pharmacology
Ott, F., Dermatology and Venereology
Prader, Andrea, Paediatrics
Ramseier, H., Immunology
Rickenbacher, J., Anatomy
Rickham, P. P., Children's Surgery
Rüttner, J., Pathology
Schär, M., Social and Preventive Medicine
Scharfetter, Ch., Clinical Psychiatry, Psychopathology
Schmid, W., Medical Genetics
Schnyder, U. W., Dermatology and Venereology
Schreiber, A., Orthopaedics
Schreiner, W., Gynaecology
Senning, Å., Surgery
Siegenthaler, W., Internal Medicine
Stoll, W. A., Psychiatry
Theiler, K., Anatomy

TURINA, M., Experimental and Clinical Cardiac Surgery
UCHTENHAGEN, A., Social Psychiatry
WAGENHAEUSER, F., Rheumatology and Physical Therapy
WASER, P. G., Pharmacology
WELLAUER, J., Roentgenology
WIESMANN, E., Medical Microbiology
WILLI, J., Psychiatry and Medical Psychology
WITMER, R., Ophthalmology
YAŞARGIL, G. M., Physiology
YAŞARGIL, M. G., Neuro-Surgery
ZBINDEN, G., Toxicology
ZENKER, W., Anatomy

Dental Institute:
GUGGENHEIM, B., Oral Microbiology and General Immunology
MARTHALER, TH., Preventive Dentistry
MUEHLEMANN, H., Histology of the Mouth
OBWEGESER, H., Dental Surgery
SCHAERER, P., Crowns and Bridges
SCHROEDER, H. E., Oral Structural Biology
STOECKLI, P. W., Maxillary Surgery and Children's Dentistry

Faculty of Veterinary Medicine:
BERCHTOLD, M., Obstetrics
ECKERT, J., Parasitology
FREWEIN, J., Anatomy
HESS, E., Bacteriology
JENNY, E., Pharmacology
JUCKER, H., Animal Nutrition
KELLER, H., Animal Epidemics
KUENZLE, C. C., Veterinary Biochemistry
LEEMANN, W., Special Pathology and Therapy of Domestic Animals, Parasitology
MÜLLER, A., Veterinary Surgery
SPOERRI, H., Veterinary Physiology
STUENZI, H., Pathology, Pathological Anatomy, Pathological Histology
WINZENRIED, H.-U., Animal Breeding
WYLER, R., Virology
ZEROBIN, K., Biology of Reproduction

Faculty of Philosophy—I:
VON ALBERTINI, R., Modern History
BANDLE, O., Nordic Philology
BESOMI, O., History of Italian Literature
BINDER, W., Modern German History
BISCHOF, N., Biomathematical Psychology
BITTERLI, U., Modern History and European Human History
BRANG, P., Slavic Philology
BRAUN, R., General and Swiss Modern History
BRINKER, H., History of East Asian Art
BUCHER, E., Modern and Swiss History
BURGER, H., German Philology
BURKERT, W., Classical Greek Philology
EBNETER, TH., Applied Linguistics
VON FISCHER, K., Musicology
FREI, D., Political Science and International Relations
FREI, P., Ancient History
FREY, H.-J., French Literature
FRIES, U., English Philology
GENINASCA, J., History of French Literature
GOEHRKE, C., East European History
GÜNTERT, G., Romance Literature
HAAS, A., German Literature until 1700
HAEFELE, H., Latin Philology

HAGER, F.-P., Historical and Systematic Pedagogy
HEESE, G., Special Pedagogics
HEINTZ, P., Sociology
HENKING, K., Ethnology
HERZOG, U., German Literature to 1700
HILTY, G., Romance Philology
HOFFMANN-NOWOTNY, H.-J., Sociology
HOLZHEY, H., History of Philosophy
HUBER, K., Romance Philology
HUGHES, P., English and American Literature
JUNG, M. R., History of French and Provençal Literature
KAPLONY, P. G., Egyptology
KELLER, L., History of French Literature
KRAMERS, R., Sinology
LEISI, E., English Philology and Medieval Literature
LOEFFLER, L. G., General Ethnology
LUEBBE, H., Philosophy and Political Theory
LÜTHI, M., European Folk Songs
LÜTOLF, M., Musicology
MAIER, F. G., Ancient History
VON MATT, P., German Literature since 1700
MAURER, E., History of Art
MEYER, R., Philosophy
MOSER, U., Psychology
NÄNNY, M., English and American Literature
NIEDERER, A., Folklore
OUWEHAND, C., Japanology
PETTER, H., History of English and American Literature
PEYER, H. C., General Economic and Social History, Swiss History
PRIMAS, Mrs. M., Primeval History
REINERT, B., Egyptology, Semitic and Islamic Philology
REINLE, A., History of Medieval Art
RISCH, E., Indo-Germanic Philology
SAXER, U., Journalism, Sociology of Art
SCHAUFELBERGER, W., General and Swiss War History
SCHELLER, M., General Philological Science
SCHMID, H., Romanic Philology
SCHMIDTCHEN, G., Social Psychology and Sociology
SCHOBINGER, J.-P., Philosophy
SCHWARZ, D., History
SENNHAUSER, H. R., Medieval Art
SITTA, H., German Language
SONDEREGGER, S., German Philology
STADLER, P., Modern History
STOLL, F., Practical Industrial and Professional Psychology
STRAUCH, Mrs. I., Clinical Psychology
TAROT, R., History of German Literature
TRÄNKLE, H., Classical Philology
TUGGENER, H., Social Pedagogics
VON USLAR, D., Theoretical Psychology
WEBER, W., Literary Criticism
WIDMER, K., Pedagogy, Pedagogic Psychology
WOODTLI, O., Theory of Intermediate School Teaching
WÜEST, J.-TH., Gallo-Romanic Philology
WYSLING, H., German Literature
ZETT, R., Slavic Philology
ZÜRCHER, R., History of Art

Faculty of Philosophy—II:
AMMETER, J. H., Inorganic Chemistry
BACHOFFEN, R., General Botany
BATSCHELET, E., Mathematics for Natural Scientists
BAUKNECHT, K., Informatics (Electronic Data Processing)
BIEGERT, J., Anthropology
BILLETER, M. A., Molecular Biology
BIRNSTIEL, M., Molecular Biology
BOESCH, H. H., Geography
BÖGLI, A., Physical Geography
BOLLI, H. M., Geology
BRINKMANN, D., Experimental Physics
BRUN, E., Experimental Physics
BURLA, H., Zoology and Ecology
CHEN, P. C., Experimental Zoology
CHRISTEN, PH., Biochemistry
COOK, C. D. K., Systematic Botany
DEÁK, I. I., Zoology
DREIDING, A., Organic Chemistry
ENDRESS, P. K., Systematic Botany
ENGFER, R., Experimental Physics
EUGSTER, C., Organic Chemistry
FISCHER, H., Physical Chemistry
FURRER, G., Geography
GABRIEL, P., Mathematics
GROSS, H., Mathematics
GRÜNENFELDER, M., Petrography
HAEFNER, H., Geography
HESS, P., Mathematics
HESSE, M., Organic Chemistry
HOHL, H. R., General Botany, especially Electro-microscopy
HUMBEL, R., Biochemistry
JARCHOW, M., Mathematics
KÄGI, J., Biochemistry
KARRER, G., Mathematics
KELLER, H., Mathematics
KRAMER, C. U., Systematic Botany
KUMMER, H., Zoology
KÜNDIG, W., Experimental Physics
MEIER, W., Crystallography and Crystal Chemistry
MEYER, Mrs. V., Experimental Physics
MÜLLER, S., Geophysics
NAGASAWA, M., Theory of Probability
NIGGLI, A., Crystal Structure Research
NOETHIGER, R., Genetics
OSWALD, H. R., Inorganic Chemistry
PARISH, R., General Botany
VON PHILIPSBORN, W., Organic Chemistry
RAMSAY, J. G., Geology
RASCHE, G., Theoretical Physics
RAST, Mrs. D., General Botany
RIEBER, H. P., Palaeontology
ROHWEDER, O., Systematic Botany
SCHARF, G., Theoretical Physics
SCHWARZ, H. R., Numerical Mathematics
STORRER, H. H., Mathematics
STRASSEN, V., Practical Mathematics
STRAUMANN, N., Theoretical Physics
STREBEL, K., Mathematics
TARDENT, P., Zoology
THELLUNG, A., Theoretical Physics
THOMAS, E., Hydro-biology
THOMPSON, A. B., Petrology
TROMMSDORFF, V., Petrography
TRUOEL, P., Experimental Physics
TRÜMPY, R., Stratigraphy
VISCONTINI, M., Organic Chemistry
WAGNIÈRE, G., Physical Chemistry
WALDMEIER, M., Astronomy
WALDNER, F., Experimental Physics
WANNER, H., General Botany
WEHNER, R., Zoological Physiology
WEISSMANN, CH., Molecular Biology
ZISWILER, V., Zoology

TECHNICAL UNIVERSITIES

ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

33 AVENUE DE COUR,
1007 LAUSANNE
Telephone: 021/47.11.11.

Founded 1853; present status 1969.

Language of instruction: French; State Federal control; Academic year: October to July.

President: Prof. Bernard Vittoz.
Administrative Director: P. Immer.
Secretary-General: P.-F. Pittet.
Library Director: T. Tanzer.

Library of 200,000 vols.

Number of teachers: 108.
Number of students: 1,920.

Publications: *General Prospectus, Annual Report.*

Heads of Departments:

Department of Civil Engineering: Prof. François Descoeudres.
Department of Agricultural Engineering and Surveying: Prof. Yves Maystre.
Department of Mechanical Engineering: Prof. Georges Spinnler.
Department of Electrical Engineering: Prof. Jacques Neirynck.
Department of Physics: Prof. Jean-Pierre Borel.
Department of Chemistry: Prof. Albert Renken.
Department of Mathematics: Prof. Alan-F. Rüegg.
Department of Materials: Prof. Wilfried Kürz.
Department of Architecture: Prof. Jacques Barman.

Professors:

Department of Civil Engineering:
Badoux, J.-C., Dir., Institute of Steel Structures
Baumgartner, J.-P., Institute of Transportation
Bovy, P., Institute of Transportation
Bruschin, J., Hydraulic Laboratory
Crottaz, R., Roads and Tunnels
Derron, M., Statics and Materials Resistance
Descoeudres, F., Dir., Geotechnical Laboratory
Favre, R., Structural Engineering
Gabus, J., Dir., Institute of Geology
Gardel, A., Dir., Institute of Energy Production
Genton, D., Dir., Institute of Transportation
Graf, W.-H., Dir., Hydraulic Laboratory
Jirousek, J., Statics and Materials Resistance
Lafitte, R., Institute of Energy Production
Natterer, J., Wood Construction
Pflug, L., Dir., Optical Stress Analysis Laboratory
Recordon, E., Geotechnical Laboratory
Sarlos, G., Institute of Energy Production
Sinniger, R., Geotechnical Laboratory
Stucky, J.-P., Waterfall and Irrigation
Walther, R., Institute of Structural Engineering

Department of Agricultural Engineering and Surveying:
Derron, G., Law
Howald, P., Dir., Institute of Geodesy and Surveying
Jacquet, A., Dir., Institute of Geodesy and Surveying
Kolbl, O., Institute of Photogrammetry
Maystre, Y., Dir., Institute of Environmental Engineering
Miserez, A., Dir., Institute of Geodesy and Surveying
Piguet, J.-C., Reinforced Concrete and Steel Structures
Pochon, M., Institute of Pedology
Regamey, P., Institute of Agricultural Engineering

Department of Mechanical Engineering:
Baatard, F., Turbulence Mechanics
Borel, L., Dir., Institute of Thermodynamics and Aerodynamics
Burckhardt, C., Dir., Institute of Microtechnics
Gianola, J.-C., Institute of Thermodynamics
Mocafico, U., Institute of Hydraulic Machinery
Pedro, M. del, Applied Mechanics
Pruvot, F., Machine Tool Engineering
Roch, A., Dir., Institute of Automatic Control
Rusconi, B., Industrial Law
Spinnler, G., Engineering Design and Projects of Machine Elements
Suter, P., Dir., Institute of Thermal Engineering

Department of Electrical Engineering:
Buehler, H., Dir., Industrial Electronics Laboratory
Chatelain, J., Dir., Electrical Machines Laboratory
Coulon, F. de, Signal Processing Laboratory
Dessoulavy, R., Dir., Electronics Laboratory
Fontolliet, P.-G., Dir., Telecommunications Laboratory
Gardiol, F., Dir., Electromagnetism and Microwaves Laboratory
Germond, A., Installations Laboratory
Hamburger, E., Dir., Electrical Measurement Laboratory
Jufer, M., Dir., Electromechanics Laboratory
Mange, D., Dir., Switching Circuits Laboratory
Morf, J.-J., Dir., Installations Laboratory
Neirynck, J., Circuit and System Theory
Nicoud, J.-D., Dir., Mini- and Microcomputer Laboratory

Department of Physics:
Benoit, W., Nuclear Engineering Laboratory
Borel, J.-P., Dir., Experimental Physics Laboratory
Buttet, J., Experimental Physics Laboratory
Chatelain, A., Experimental Physics Laboratory
Choquard, P., Dir., Theoretical Physics Laboratory
Cornaz, P., Experimental Physics Laboratory
Fivaz, R., Applied Physics Laboratory
Gruber, C., Theoretical Physics Laboratory
Mooser, E., Dir., Applied Physics Laboratory
Quattropani, A., Theoretical Physics Laboratory
Schneeberger, J.-P., Dir., Nuclear Engineering Laboratory

Department of Chemistry:
Gaumann, T., Dir., Institute of Physical Chemistry
Graetzel, M., Institute of Physical Chemistry
Javet, P., Institute of Chemical Engineering I
Kovats, E., Institute of Technical Chemistry
Lerch, P., Dir., Institute of Electrochemistry and Radiochemistry
Plattner, E., Institute of Chemical Engineering I
Renken, A., Institute of Chemical Engineering III
Von Stockar, U., Institute of Chemical Engineering II

Department of Mathematics:
Andre, M.
Arbenz, K.
Bobillier, P. A.
Carioli, R.
Chatterji, S.
Coray, G.
Descloux, J.
Matzinger, H.
Nuesch, P.
Rapin, C.
Ruegg, A.-F.
de Siebenthal, J.
Stuart, C.-A.
de Werra, D.
Zwahlen, B.

Department of Materials:
Chene, J.-J., Soldering Metallurgy
Kausch, H.-H., Dir., Polymer Laboratory
Kurz, W., General Metallurgy
Landolt, D., Chemical Metallurgy and Dir., Institute of Metals and Machines
Mocellin, A., Ceramics
Paschoud, J., Metallurgy Laboratory

Department of Architecture:
Aubry, F., Architecture
Barman, J., Modelling
Bassand, M., Sociology
Beerli, C., History of Architecture
Bezencon, P., Drawing
Csillaghy, J., Dir., Built Environmental Research Institute
Decoppet, A., Professional Organization
Foretay, P., Architecture
Fueg, F., Architecture
Galantay, E., Urban Design
Huber, J.-W., Industrial Architecture
Lamuniere, J.-M., Architecture
Petignat, J., Steel Structures
Van Bogaert, G., Construction
Veuve, L., Regional Planning
Von Meiss, P., Dir. Architectural Experimentation Laboratory
Wasserfallen, C., Regional Planning

Interdisciplinary Units:

Interdepartmental Institute of Metallurgy—Electron Microscopy: Dir. Prof. W. Benoit.

Interdepartmental Institute of Micro-Electronics: Dir. Prof. M. Illegems.

Plasma Physics Research Institute: Dir. Prof. F. Troyon.

Pedagogy and Didactics: Dir. Prof. M. Goldschmid.

Computer Centre: Dir. P. Santschi.

Special Mathematics: Dirs. Prof. P. Kindler, Prof. M. Ziegenhagen.

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH

(Swiss Federal Institute of Technology)

RÄMISTRASSE 101,
8092 ZÜRICH

Telephone: (01) 32-62-11.

Telegraphic Address:

Polytechnikum Zurich.

Founded 1855.

Language of instruction: German (some basic lectures are given in French); Federal State control; Academic year: October to July (two semesters).

President: Prof. H. Ursprung.

Rector: Prof. H. Grob.

Administrative Director: Dr. E. Freitag.

Secretary-General: Dr. H. Denzler.

Director of the Library: Dr. J.-P. Sydler.

Library: *see* Libraries.
Graphic Art Collection: *see* Museums.

Number of teachers: 613.
Number of students: 7,229.

Publications: *Program of the SFIT* (bi-annual), *ETH Bulletin* (five times a year).

Deans:

School of Architecture: Prof. H. Kunz.

School of Civil Engineering: Prof. H. J. Lang.

School of Mechanical Engineering: Prof. E. Matthias.

School of Electrical Engineering: Prof. W. Guggenbune.

School of Chemistry: Prof. J. R. Bourne.

School of Pharmacy: Prof. O. Sticher.

School of Forestry: Prof. H. H. Bosshard.

School of Agriculture: Prof. F. Emch.

School of Rural Engineering and Surveying: Prof. R. Conzett.

School of Mathematics and Physics: Prof. J. Hersch.

School of Natural Science: Prof. St. Müller.

School of Military Science: Dir. A. Stutz.

Courses of Physical Education: H. Keller.

Humanities Section: Prof. H. Fischer.

Full Professors:

School of Architecture:
- Camenzind, A., Architecture
- Custer, W., Architecture—Regional and Country Planning
- Geisendorf, Ch.-E., Architecture
- Gunten, H., von, Statics and Constructions
- Hauri, H. H., Statics and Constructions
- Hoesli, H. B., Architecture
- Hofer, P., History of Town Planning and Conservation of Monuments
- Huber, B., Architecture and Planning
- Hugi, H. R., Statics and Constructions
- Jaray, W., Architecture
- Jenny, P., Drawing and Painting
- Kramel, H. E., Architecture and Construction
- Kunz, H., Architecture and Construction Planning
- Oswald, F., Architecture
- Ronner, H., Architecture and Construction
- Schaal, R., Construction
- Schnebli, D., Architecture
- Spieker, H., Architecture
- Vogt, A. M., History of Art

School of Civil Engineering:
- Bachmann, H., Concrete Constructions
- Balduzzi, F., Soil Mechanics
- Brändli, H., Traffic Engineering
- Dal Vesco, E., Geology
- Dietrich, K., Traffic Engineering
- Dracos, Th., Hydraulics
- Dubas, P., Statics and Steel Construction
- Grob, H., Road and Railway Construction, Tunnelling, incl. Rock Mechanics
- Hidber, C., Traffic Planning
- Huder, J., Soil Engineering and Soil Mechanics
- Lang, H.-J., Soil Engineering and Soil Mechanics
- Lendi, M., Law
- Maurer, J., Methods of Planning
- Menn, Ch., Statics and Construction
- Pozzi, A., Construction Management
- Rotach, M., Traffic Engineering
- Stradal, O., Construction Management
- Thürlimann, B., Structural Engineering
- Trüeb, E., Water Supplies
- Vischer, D., Hydraulics

School of Mechanical Engineering:
- Anliker, M., Biomedical Technology
- Berchtold, M., Thermodynamics and Internal Combustion Engines
- Brauchli, H., Mechanics
- Buck, A., Chemical Engineering, Refrigeration and Cryogenics
- Chaix, B., Fluid Technology
- Epprecht, W., Technology of Industrial Materials
- Erismann, Th., Material Testing
- Fornallaz, P., Light Engineering
- Hälg, W., Reactor Engineering
- Krause, H. W., Textile Engineering
- Marincek, B., Metallurgy, Foundry and Metallic Materials
- Matthias, E., Machine Tools and Production Engineering
- Ott, H. H., Elements of Machine Construction
- Reissner, J., Metallic Raw Materials
- Rösli, A., Material Testing
- Rott, N., Fluid Mechanics
- Sayir, M., Mechanics
- Schumann, W., Mechanics—in French
- Schürch, H. U., Lightweight Design
- Schweitzer, G., Mechanics
- Steiner, M., Engineering Measurements and Automatic Control
- Thomann, H. H., Fluid Mechanics
- Traupel, W., Thermal Turbo Machines
- Trepp, Ch., Chemical Engineering
- Wehrli, Ch., Mechanics
- Widmer, F., Chemical Engineering

School of Electrical Engineering:
- Baggenstoss, H., Electrotechnics
- Dutoit, A., Electrical Machines
- Epprecht, G., Electrotechnology and High Frequency Technics
- Glavitsch, H., Electric Power Systems
- Guggenbühl, W., Electronic Switches
- Kern, H., Design Elements for Mechanical and Electrical Engineering
- Leuthold, H., Electrical Economy and Power Plants
- Leuthold, P., Telecommunications
- Mansour, M., Automatics
- Melchior, H., Electronics
- Moschytz, G., Telecommunications
- Schaufelberger, W., Automatics
- Zaengel, W., High Voltage Engineering
- Zwicky, R., Industrial Electronics and Measurement Technology

School of Chemistry:
- Anderegg, G., Inorganic Chemistry
- Arigoni, D., Special Organic Chemistry
- Bauder, A., Physical Chemistry
- Böhni, H., Chemical Engineering
- Bourne, J. R., Chemical Engineering
- Carafoli, E., Biochemistry
- Dressler, K., Molecular Spectroscopy
- Dunitz, J. D., Chemical Crystallography
- Ernst, R., Physical Chemistry
- Eschenmoser, A., Special Organic Chemistry
- Geier, G., Inorganic Chemistry
- Günthard, H. H., Physical Chemistry
- Gut, R., Inorganic Chemistry
- Hartland, S., Chemical Engineering
- Ibl, N., Chemical Engineering
- Jeger, O., Organic Chemistry
- Luisi, P. L., Macromolecular Chemistry
- Meissner, J., Polymer Physics
- Oth, J., Chemistry
- Pino, P., Molecular Chemistry
- Primas, H., Physical Chemistry
- Richarz, W., Chemical Engineering
- Rippin, D., Chemical Engineering
- Rys, P., Colour and Textile Chemistry
- Schneider, W., Inorganic Chemistry
- Schwyzer, R., Molecular Biology
- Seebach, D., Chemistry
- Semenza, G., Biochemistry
- Simon, W., Chemistry
- Venanzi, M. L., Inorganic Chemistry
- Wild, U., Physical Chemistry
- Winterhalter, K. H., Biochemistry
- Zollinger, H., Chemistry of Textiles and Dyes
- Zuber, H., Molecular Biology

School of Pharmacy:
- Perlia, X., Pharmaceutics
- Speiser, P. P., Composition and Preparation of Drugs
- Sticher, O., Pharmacognosy
- Waser, P. G., Pharmacology
- Weder, H. G., Pharmaceutical Chemistry

School of Forestry:
- Bosshard, H. H., Wood Technology
- Kuonen, V., Forestry Engineering
- Kurt, A., Forestry
- Leibundgut, H., Forestry
- Marcet, E., Forestry
- Richard, F., Soils Physics
- Tromp, H., Forestry

School of Agriculture:
- Bach, R., Soil Science
- Bachmann, M., Dairy Technology
- Emch, F., Food Processing
- Ettlinger, L., Microbiology
- Fiechter, A., Microbiology
- Heusser, H., Animal Hygiene
- Huetter, R., Microbiology

Keller, E., Plant Breeding
Küenzi, N., Animal Husbandry
Landis, J., Animal Husbandry
Leisinger, Th., Microbiology
Le Roy, H. L., Biometrics
Neukom, J., Agricultural Chemistry
Nösberger, J., Crop Production
Onigkeit, D., Agricultural Management
Puhan, Z., Dairy Technology
Schmidt-Lorenz, W., Food Technology
Schürch, A., Animal Nutrition
Solms, J., Chemical Agricultural Technology
Sticher, H., Soil Chemistry
Stranzinger, G., Livestock Breeding
Vallat, J., Agricultural Management

School of Rural Engineering and Surveying:

Chaperon, F., Geodesy
Conzett, R., Geodesy
Flury, U., Rural Engineering
Grubinger, H., Rural Engineering, Land and Water Use
Matthias, H., Geodesy
Schmid, H., Photogrammetry
Schmid, W., Rural Engineering
Schneider, J., Statics and Concrete Constructions
Spiess, E., Cartography

School of Mathematics and Physics:

Anderheggen, E., Computer Sciences
Baltensperger, W., Theoretical Physics
Baumann, E., Technical Physics
Baumgartner, W., Technical Physics
Blaser, J.-P., Physics
Blatter, Ch., Mathematics
Bühlmann, H., Mathematics
Chandrasekharan, K., Mathematics
Constantinescou, C., Mathematics
Dütsch, H. U., Physics of Atmosphere
Eckmann, B., Mathematics
Engeler, E., Computer Sciences
Föllmer, H., Mathematics
Gerber, H. J., Experimental Physics
Graenicher, H., Experimental Physics
Hampel, F., Statistics
Heinrich, F., Experimental Physics
Henrici, P., Mathematics
Hepp, K., Theoretical Physics
Hersch, J., Mathematics—in French
Hofer, H., Experimental High-Energy Physics
Huber, A., Mathematics
Huber, P., Mathematical Statistics
Hunziker, W., Theoretical Physics
Jeger, M., Mathematics
Jost, R., Theoretical Physics
Kalman, R. E., Mathematics
Känzig, W., Experimental Physics
Kneubühl, F., Experimental Physics
Knus, M., Mathematics
Lang, J., Experimental Physics
Läuchli, H., Mathematics
Läuchli, P., Computer Sciences
Leisi, H. J., Experimental Physics
Marti, J., Applied Mathematics
Meier, K., Mathematics
Mislin, G., Mathematics
Nievergelt, J., Computer Science
Olsen, J. L., Experimental Physics
Osterwalder, K., Mathematics
Rössler, M., Operations Research
Schmid, Ch., Theoretical Physics
Siegmann, H.-Ch., Physics
Specker, E., Mathematics
Stammbach, U., Mathematics
Stiefel, E., Applied Mathematics
Telegdi, V., Physics
Voss, K., Mathematics
Wachter, P., Experimental Physics
Waldmeier, M., Astronomy
Weinberg, F., Operations Research
Wirth, N., Computer Sciences
Zehnder, C. A., Computer Science

School of Natural Science:

Ambühl, H., Hydrobiology
Benz, G., Entomology
Bolli, H. M., Geology
Braun, R., Utilization of Waste
Delucchi, V., Entomology
Eppenberger, H. M., Biology
Grandjean, E., Hygiene
Grunenfelder, M., Petrography
Hess, H., Special Botany
Hsu, K. J., Geology
Kern, H., Special Botany
Koller, Th., Biology
Landolt, E., Geobotany
Lowrie, W., Geophysics
Lukosz, W., Optics
Matile, Ph., Plant Physiology
Meier, W. M., Structure of Crystals
Moor, H., Botany
Mühlethaler, K., Electronic Microscopy
Müller, E., Botany
Müller, F., Geography
Müller, S., Geophysics
Niggli, A., Structure of Crystals
Ramsay, J. G., Geology
Rieber, H., Palaeontology
Ruch, F., Botany, Cytology
Schlatter, Ch., Toxicology
Signer, P., Cosmography
Steiger, R. H., Isotope Geology
Steiner, D., Quantitative Geography
Stumm, M., Hydrobiology
Thompson, A. B., Petrology
Trommsdorff, V., Petrography
Trümpy, R., Geology
Weibel, M., Geochemistry
Wuhrmann, K., Microbiology and Water Supply
Würgler, F., Zoology
Wüthrich, K., Biophysics

Department of General Studies (Philosophy, Literature, Social Sciences and Economics):

Angehrn, O., Accountancy, Management Economics
Bättig, K., Behavioural Sciences
Bergier, J. F., History
Brem, E., Industrial Organization
Büchel, A., Industrial Organization
Delhees, K. H., Psychology
Fischer, H., Didactic Art and Experimental Psychology
Friedrich, H.-P., Law
Fritsch, B., Economics
Hauser, A., Economic History
Huber, G., Philosophy and Pedagogy
Isella, D., Italian Language and Literature
Jagmetti, R. L., Law
Kempf, R., French Literature
Muschg, A., German Language and Literature
Ris, R., German Language and Literature
Tobler, H. W., History
Ulich, E., Applied and Industrial Psychology
Vickers, B., English Language and Literature
Würgler, H., Economics

Affiliated Institutes:

Eidgenössische Materialprüfungs- und Versuchsanstalt für Industrie, Bauwesen, und Gewerbe (*Federal Institute for Testing Material and Research*): 8600 Dübendorf, nr. Zürich, and Unterstrasse 11, 9001 St. Gallen.

Directors: Prof. Th. Erismann (Pres.), Dr. P. Fink.

Eidgenössische Anstalt für das forstliche Versuchswesen (*Federal Forest Experiment Station*): 8903 Birmensdorf, nr. Zürich.

Director: Dr. W. Bosshard.

Eidgenössische Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz (*Federal Institute for Water Supply, Sewage Purification and Water Pollution Control*): 8600 Dübendorf.

Director: Prof. Dr. W. Stumm.

Eidgenössisches Institut für Reaktorforschung (*Federal Institute for Reactor Research*): 5303 Wurenlingen (Aargau).

Director: Prof. H. Gränicher.

Schweizerisches Institut für Nuklearforschung (*Swiss Institute for Nuclear Research*): 5234 Villigen (Aargau).

Director: Prof. Dr. J. P. Blaser.

COLLEGES

HOCHSCHULE ST. GALLEN FÜR WIRTSCHAFTS- UND SOZIALWISSENSCHAFTEN

(St. Gallen Graduate School of Economics, Business and Public Administration)

DUFOURSTR. 50,
9000 ST. GALLEN
Telephone: 071/23 31 35.
Founded 1898.

Language of instruction: German; Academic year: April to March.

Rector: Prof. Alfred Meier.

Vice-Rectors: Prof. Dr. H. Meier, Prof. Dr. A. Riklin.

Administrative Director: W. Aeberli.

Librarian: Anneliese Wittwer.

Number of teachers: 98.
Number of students: 1,696.

Heads of Departments:

Department of Business Administration: Prof. Dr. C. Kaspar.

Department of Economics: Prof. Dr. H. Ch. Binswanger.

Department of Jurisprudence: Prof. Dr. Y. Hangarther.

Department of Technology and Natural Sciences: Prof. Dr. P. Fink.

Department of Cultural Sciences: Prof. Dr. F. Ph. Ingold.

Professors:

Binswanger, H. Ch., Economics
Borner, S., Economics
Brauchlin, E., Business Administration
Bridel, Y., French Language and Literature
Cagianut, F., Public Law, Tax Law
Dubs, R., Economics
Fink, P., Technology
Fischer, G., Economics
Fontana, P., Italian Language and Literature
Hangartner, Y., Public Law
Haug, H., Public Law
Höhn, E., Public Law, Law of Taxes
Ingold, F. P., Russian Language and Literature
Jöhr, W. A., Economics
Kaspar, C., Tourism and Transport Economy
Kneschaurek, F., Economics and Statistics
Koller, A., Law
Kramer, E., Civil and Commercial Law
Küng, E., Economics
Lattmann, C., Business Administration
Leuenberger, T., Modern History
Loeffel, H., Mathematics, Statistics
Lutz, B., Finance Administration
Meier, A., Economics
Miller, A., Sociology
Moser, R., International Law
Naegeli, E., Law of Contracts, Commercial Law
Nievergelt, E., Business Administration
Nydegger, A., Applied Economics and Statistics
Pedrazzini, M. M., Civil and Commercial Law
Pümpin, C., Business Administration
Riklin, A., Political Science
Schips, B., Economics
Schmid, H., Economics
Schuster, L., Banking Law
Siebenmann, G., Spanish and Portuguese
Siegwart, H., Business Administration and Industrial Production
Siegwart, H., Industrial Production
Sik, O., Economic Planning
Soom, E., Operations Research
Staerkle, R., Business Administration
Stähly, P., Operations Research
Steinlin, P., Insurance
Thürer, G., German Language and Literature, Swiss History
Tschumi, R., English Language and Literature
Ulrich, H., Business Administration
Weber, W., Chemistry, Chemical Technology
Weinhold, H., Business Administration
Wildermuth, A., Philosophy
Zäch, R., Law

Attached Institutes:

Swiss Institute for International Economics, Regional Science and Market Research.

Swiss Institute of Public Administration Courses.

Swiss Research Institute of Small Business.

Institute of Insurance Economics.

Institute of Business Management.

Latin American Institute.

Institute of European and International Economic and Social Law.

Institute for Tourism and Transport Economy.

Institute for Agricultural Policy and Law.

Institute of Public Finance and Fiscal Law.

Research Institute for Marketing and Distribution.

Institute for Banking.

Institute for the Teaching of Economics.

I.M.E.D.E. (Institut pour l'Etude des Méthodes de Direction de l'Entreprise) (*Management Development Institute*): 23 Chemin de Bellerive, CH-1007 Lausanne; f. 1957; one-year M.B.A. course; 19-week course for middle managers; 3-week seminar for senior executives; and various short-term general management courses.

Dean: H. L. Hansen.
Secretary-General: F. Paux.
Registrar for Admissions: C. de Dompierre.
Public Relations: A. Guardabassi.

Number of teachers: 16 full-time professors.

Number of students: limited (selective enrolment).

Schweizerisches Institut für Auslandforschung (*Swiss Institute of International Studies*): Münstergasse 9, 8001 Zürich.

Executive Director: Prof. Dr. Daniel Frei.

President of the Board: Dr. R. Lang.

Publication: *Sozialwissenschaftliche Studien* (annually).

Textil- und Modeschule: Vadianstrasse 2, 9000 St. Gallen; f. 1878; school of textile design, lace and embroidery, fashion-designing for textile prints and woven jacquards, and general training for textile industry; attached to Industrie- und Gewerbemuseum (*q.v.*); 8 teachers; about 200 students; library of 6,000 vols.

Director: E. Fick.

C. G. Jung-Institut Zürich: Gemeindestrasse 27, 8032 Zürich; f. 1948; private teaching and research institute for analytical psychology as conceived by C. G. Jung; clinical and professional training programme leading to a Diploma; courses of instruction and seminars in German and English for qualified auditors; international picture archive and library.

President: A. Guggenbühl-Craig.

Secretary of Studies: M. Odermatt, lic.theol.

Publication: Studies from the C. G. Jung Institute.

Number of teachers: 40.
Number of students: 420.

SCHOOLS OF ART AND MUSIC

Art

Ecoles d'art de Genève: 9 Bd. Helvétique, 1205 Geneva; Dir. M. Michel Rappo.

Ecole supérieure d'art visuel: 9 Bd. Helvétique; f. 1748; painting, sculpture, etching, audio-visual depts.

Ecole des arts décoratifs: 15 Bd. James-Fazy; f. 1876; industrial art, interior design, jewellery, ceramics, graphic art.

Ecole Cantonale des Beaux-Arts et d'Art appliqué: Ave. de l'Elysée 4, 1006 Lausanne; f. 1821; departments of fine arts, general artistic studies (teaching), graphic design, industrial design; 25 teachers, 120 students; Dean L. Prebandier; Dir. J. Monnier.

Music

Académie de Musique: Geneva; f. 1886.

Conservatoire et Académie de Musique: 1700 Fribourg, rue Pierre Aeby 228a; Dir. J.-M. Hayoz.

Conservatoire de Musique: Place Neuve, Geneva; f. 1835; all branches of music, dramatic art and classical ballet; organizes a yearly International Competition for musical performers which attracts young virtuosi of all countries; summer masters courses every two years; 100 teachers, 400 full-time students; Dir. Claude Viala; Librarian Jacques Horneffer; publ. *Bulletin* (monthly).

Conservatoire de Musique: 6 rue du Midi, Lausanne; f. 1861 under the auspices of the State and of the City of Lausanne; 1,300 students; Dir. Michel Rochat.

Conservatoire de Musique: Neuchâtel, Faubourg Hôpital 106; Dir. R. Boss.

Konservatorium für Musik in Bern: Kramgasse 36, Berne; f. 1858; 140

teachers; library of 20,000 vols.; Pres. R. V. FISCHER; Dir. U. FRAUCHIGER.

Konservatorium und Musikhochschule Zürich: Florhofgasse 6, Zürich 1; f. 1876; controlled by the public authorities; professional school, providing comprehensive musical courses for teachers, performers, conductors, composers, leading to State diplomas; department for children and amateurs; about 150 teachers and more than 3,000 pupils and students; Dir. HANS ULRICH LEHMANN; publ. *Der Bindebogen* (4–5 a year).

Musik-Akademie der Stadt Basel: Basle, Leonhardsstrasse 4-6; f. 1867; Number of teachers: 167; Number of students: Musikschule 2,071, Konservatorium and Orchesterschule 301, Schola Cantorum Basiliensis 519, Total 2,891; Dir. Prof. Dr. FRIEDHELM DÖHL.

Musikakademie Zürich: Florastrasse 52, CH-8008 Zürich; f. 1891; 40 teachers, 200 full-time students, 550 part-time students; library of 3,000 vols.; Pres. Dr. R. MEYER; Dir. H. U. LEHMANN.

Musikschule und Konservatorium Winterthur: Schwalmenackerstrasse 25, CH-8400 Winterthur; f. 1873; 120 teachers, 2,300 students; Dir. W. GOHL.

SYRIA

Population 7,596,000

LEARNED SOCIETIES

The Arab Academy of Damascus: P.O.B. 327, Damascus; f. 1919; research in Arab-Islamic history; studies in Arabic language and literature; publs. important works of Arab-Islamic heritage; library of 15,000 vols., 500 MSS.; Pres. Dr. HUSSNI SABAH; publ. *Majallat Majmaa al-Lughah al-Arabiyyah* (Review, quarterly).

Members:

Dr. ASSAD AL-HAKIM
Prof. SHAFIK JABRI
Dr. HIKMAT HASHIM
Dr. KAMIL AYAD
Dr. ADNAN AL-KHATIB
Dr. SHUKRI FAISSAL
Prof. MUHAMMAD AL-MUBARAK
Dr. AMJAD TRABULSI
Prof. WAJIH SAMMAN
Prof. ADBUL HADI HASHIM
Dr. MICHEL KHOURY
Dr. SHAKIR FAHAM
Dr. M. HAYTHAM KHAYAT
Dr. ABDUL-KARIM YAFI
Prof. M. RATIB NAFFAKH

British Council: Meydani Bldg., Abdul Moneim Riyadh St., West Malki, Damascus; library of 1,463 vols., 40 periodicals; Rep. R. F. HITCHCOCK, O.B.E.

Centro Cultural Hispánico: P.O.B. 224, Damascus; f. 1957; 210 mems.; Spanish-language teaching, conferences, excursions, etc.; library of 6,000 vols.; Dir. EMILIO PÉREZ ACOSTA.

Institut Français d'Etudes Arabes: B.P. 344, Damascus; f. 1922; library of 37,000 vols., 350 periodicals; Arabic language, Islamic history and geography, Syrian and Middle Eastern economy and society; 18 mems.; Dir. THIERRY BIANQUIS; Scientific Sec. JEAN-PAUL PASCUAL; publs. *Bulletin d'Etudes Orientales* (annually), monographs translations, and Arabic texts.

LIBRARIES

Al Maktabah Al Wataniah (*National Library*): Bab El-Faradj, Aleppo; f. 1924; Librarian YOUNIS ROSHDI.

Al Zahiriah (*National Library*): Bab el Barid, Damascus; f. 1880, attached to the Arab Academy 1919; national public library; main subjects are Islamic religion and history, Arabic literature, sciences; 80,000 vols., 12,600 MSS., 50,000 periodicals, microfilms of MSS.; dept. of photography; Librarian Mrs. SAMA EL MAHASSINI; publ. *Bulletin* (monthly).

Damascus University Library: Damascus; f. 1919; 150,000 vols.; 1,400 scientific, literary and specialized journals and magazines; Librarian THABET JARI; publs. *Conférences Générales* (annual), *Statistic Collection* (annual).

Dar al-Kutub al-Wataniah (*National Library*): Homs.

National Library of Latakia: Latakia; f. 1944; 12,000 vols.; Dir. MOHAMAD ALI NTAYFI.

MUSEUMS

Adnan Malki Museum: Damascus.

Agricultural Museum: Damascus.

Aleppo National Museum: Aleppo; archaeology; f. 1960.

Bosra Museum: Bosra; traditional arts and crafts.

Deir ez-Zor Museum: Deir ez-Zor.

Hama Museum: Hama; f. 1956; history and folklore.

Homs Museum: Homs-Dar-Al-Thakafa; f. 1974; archaeology, folk and modern art; Curator MAJED EL-MOUSSLI.

Military Museum: Damascus.

Museum of Arabic Epigraphy: Damascus; f. 1974; Dir. FAYEZ HOMSI.

National Museum: Syrian University St., Damascus 4; f. 1919; Sections: Ancient Oriental; Greek, Roman and Byzantine; Arab and Islamic; Modern Art; of special interest is the reconstruction of the Palmyrene Hypogeum of Yarhai (2nd century A.D.), of the Dura Synagogue (3rd century A.D.), of the Umayyad Qasr El-Hair El-Gharbi (8th century A.D.) and of the Damascus Hall (18th century A.D.); houses the Directorate-General of Antiquities and Museums, established by decree in 1947 to conserve Syrian antiquities and to supervise the archaeological museums and the excavations; Dir. Dr. AFIF BAHNASSI; publ. *Les Annales Archéologiques Arabes Syriennes.*

Palmyra Museum: Palmyra; f. 1961; archaeological and Syrian desert folklore.

Popular Traditions Museum: Qasr el-Azem; Curator CHAFIC IMAM.

Sweida Museum: Sweida.

Tartus Museum: Tartus; Islamic history.

UNIVERSITIES

UNIVERSITY OF ALEPPO

ALEPPO

Telephone: 24660-24661.

Founded 1960.

State control; Languages of instruction: Arabic, French and English; Academic year: October to June.

Rector: Dr. A. Y. HASSAN.
Vice-Rectors: Dr. KHALED MAGHOUT, Dr. MOHAMMED ALI HOURIEH.
Chief Administrator and Secretary: M. IMAM.
Registrar: M. ELWANI.
Librarian: NIDAL ISTANBOULI, M.L.S.

Number of teachers: 417.
Number of students: 19,122.

DEANS:

Faculty of Engineering: Dr. A. F. EL-OMAR.
Faculty of Agriculture: Dr. GHAZI HARIRI.
Faculty of Languages: Dr. O. DAKKAK.
Faculty of Medicine: Dr. A. S. IBRAHIM.
Faculty of Sciences: Dr. MOHAMED ABOU BAKER.
Faculty of Economic Science: Dr. KHALED EL-HAMED.
Faculty of Veterinary Science: Dr. ABID-AL-RAHMAN IBRIK.

PROFESSORS:

A'KIL, A., Statistics
AL-HASSAN, A. Y., Mechanical Engineering
AL-MUHASIB, A., Nuclear Physics
BARAKAT, M. M., General Surgery
DIA, T. D., Thermodynamic Engineering
ELIYAS, G., Concrete Construction

Halabi, A. K., Roads, Railways and Aerodromes
Harabilly, A. M., Architectural Design
Issa, F., Public Works, Soil Mechanics
Kayali, M. A., Electronic Engineering
Kazan, M. N., Thermodynamics
Khiyata, M. N., Power Distribution
Maghout, K., Operations Research
Makki, M. B., Physics
Mohaseb, A., Physics
Nahhal, I., Forestry
Rustom, M., Chemistry
Zane El-Abideen, A. N., Lands

ATTACHED INSTITUTES:

Agricultural Research Centre: Meselmieh, Aleppo.

Institute for the History of Arabic Science: Dir. Prof. A. Y. Al Hassan.

Intermediate School of Medicine: Dir. Dr. A. Osman.

Technical Institute for Agriculture: Dir. Dr. A. Rahmeh.

Technical Institute for Engineering: Dir. Dr. A. Mustafa.

UNIVERSITY OF DAMASCUS

DAMASCUS

Telephone: 15103-5, 28623.

Founded 1923.

State control; Language of instruction: Arabic; Academic year: September to June.

President: Dr. Mustafa Haddad.

Vice-Presidents: Drs. Ibrahim Haddad, Mohamad-Khair Fares.

General Secretary: Abdel-Sattar Hadaya.

Registrar: Farouk Abu Shamatt.

Librarian: Thabit Jari.

Number of teachers: 745.
Number of students: 39,241.

Publications: *The University Catalogue, Faculty Catalogues, Statistical Collections.*

DEANS:

Faculty of Agriculture: Dr. Gh. Haddad.
Faculty of Commerce: Dr. S. D. Backjaji.
Faculty of Dentistry: Dr. A. Massassati.
Faculty of Engineering: Dr. T. Akili.
Faculty of Mechanical and Electrical Engineering: Dr. Sh. Batal.
Faculty of Fine Arts: M. Hammad.
Faculty of Islamic Law: (vacant).
Faculty of Law: Dr. H. Kassim.
Faculty of Letters: Dr. N. Akel.
Faculty of Medicine: Dr. M. Bittar.
Faculty of Pedagogy: N. Rifaii.
Faculty of Pharmacy: Dr. M. Dakak.
Faculty of Science: Dr. Y. Khoury.

PROFESSORS:

Faculty of Agriculture:
Awa, U., Agricultural Science
Bazerbashi, Dr. A., Field Products
Hadad, Ch., Dairy Technology
Haffar, Dr. S., Plant Physiology
Massri, S., Industrial Science
Odeh, Dr. K., Food Chemistry
Wazzan, Dr. S., Agricultural Economics

Faculty of Commerce:
Dahman, Dr. F., Political Economy
Hashem, Dr. H., Business Administration
Haydar, Dr. N., Applied Statistics
Murad, Dr. A., Applied Statistics
Sakka, Dr. H., Accounting
Satti, Dr. T., General Administration

Faculty of Dentistry:
Hakim, M. A., Prosthodontics
Hawwash, F., Oral Pathology
Massassati, Dr. A., Prosthodontics

Faculty of Education:
Akel, Dr. F., Psychology
Rifaii, N., Mental and Experimental Education

Faculty of Engineering:
Ashab, M., Technological Engineering
Kaddoura, Dr. A.-R., Physics
Rifaii, Dr. N.-D., Irrigation

Faculty of Fine Arts:
Choura, N., Painting

Faculty of Islamic Law:
Durayni, F., Jurisprudence
Faydallah, Dr. M. F., Jurisprudence
Khattib, M. O., Islamic Sciences
Ramadan, M. S., Jurisprudence
Saleh, M. A., Islamic Law
Zuhayli, Dr. W., Jurisprudence

Faculty of Law:
Ghali, Dr. K., Constitutional Law
Hakim, Dr. J., Commercial Law
Jarrah, Sh., Private Law
Kassem, Dr. H., Civil and Commercial Law
Sabouni, Dr. A.-R., Islamic Jurisprudence
Soir, Dr. W.-D., Civil and Commercial Law

Faculty of Letters:
Abdel-Salam, A., Geography
Abdullah, Dr. A., English
Akel, Dr. N., History of Arabic and Islamic Nation
Ashtar, Dr. A.-K.
Awwa, Dr. A., Islamic Philosophy
Badir, Dr. A., History
Dirkawi, Dr. A. A., Philosophy and Social Studies
Fahham, Dr. Sh., Arabic
Faissal, Dr. Ch., Arabic Literature
Faris, M. Kh., History
Hamideh, Dr. A.-R., Regional Geography
Kassim, Dr. B., Metaphysical Philosophy
Khoury, Dr. M., English Literature
Maleh, Gh., English Literature
Mubarak, Dr. M., Arabic Sciences
Mussa-Basha, O., Arabic Literature
Nuss, Dr. I., Pre-Islamic and Islamic Literature
Rafek, Dr. A.-K., History
Rifaii, Dr. B.-D., French Literature
Sumhouri, Z., English Language
Taraben, Dr. A., Modern History

Faculty of Medicine:
Abed, Dr. B., Anaesthesiology
Anbari, A., Ophthalmology
Anbari, Dr. R., Paediatrics
Asswad, M., Surgery
Atassi, Dr. J., Psychiatry
Attar, Dr. A., Urological Surgery
Baba, Dr. Ch., Physiology
Badoura, Dr. S., Paediatrics
Bitar, Dr. M., Experimental Physiology
Daddad, M., Diseases of Digestive Tract
Darwish, Dr. Z., Forensic Medicine
Dashash, M. D., Industrial Medicine
Far'oan, Dr. S., Gynaecology
Hakki, Dr. I., Gynaecology and Obstetrics
Hakki, Dr. Z., General Surgery
Hakkim, Dr. S.-D., Bacteriology
Hamoudeh, B., Medicine
Jabi, Dr. K. W., Histology
Jallad, Dr. M., Dermatology and Venereal Diseases
Kahhaleh, Dr. R., Physical Medicine
Khatib, Dr. A.-Kh., Anatomy
Kotob, Dr. N., Biochemistry
Lababidi, Dr. L., General Surgery
Mahassin, Dr. M., Surgery
Mahayni, Dr. A., Pharmacology
Mahayni, Dr. M., General Surgery
Mouradi, Dr. T., Pathology
Mouraiden, Dr. M., Surgery
Othman, Dr. S.-D., Oto-Rhino-Laryngology
Rizik, Dr. M., Internal Medicine
Rustum, S., Surgery
Sabbagh, Dr. F., Psychiatry and Neurology
Saiigh, Dr. J., Ductless Glands
Sakka-Amini, Dr. M., Radiology
Shami, M., Surgery
Shaw, T., Chest Diseases
Takriti, Dr. A., Bacteriology
Tarabishi, Dr. S., General Surgery
Togose, Dr. N., Surgery

Faculty of Pharmacy:
Baba, Dr. Z., Pharmaceutics
Dakkak, Dr. M., Analytical Chemistry
Dallool, Dr. M., Pharmaceutical Chemistry
Hawari, Dr. M., Pharmaceutical Chemistry
Mahmalji, Dr. R., Pharmaceutical Chemistry
Munajed, D., Analytical Chemistry

Faculty of Sciences:
Abou-Harb, Dr. M., Zoology
Abu-Shahin, I., Radio and Electronics
Ahmad, Kh., Astronomy
Ahmad, Dr. S., Algebra and Statistics
Asswad, A., Nuclear Reaction
Bairakdar, Dr. N., Vertebrates
Barkouda, Dr. Y., Botany
Daaboul, M., Applied Mathematics
Hadad, I., Solid State Physics
Haddad, Dr. M., Morphology and Microbiology
Haj-Saiid, Dr. A., Inorganic Chemistry
Hakki, Dr. W., Inorganic Chemistry
Hazzi, Dr. B., Botany
Hamu-Leila, M., Nuclear Reaction
Jazairy, M., Nuclear Reaction
Kassam, T., Electrical Engineering
Khatib, Dr. A., Taxonomy of Angiosperms
Jazairy, Dr. S., Organic Chemistry
Khoury, I., Physical Chemistry
Khoury, Dr. Y., Geology
Kneish, H., Nuclear Reaction
Kotteb, Dr. Z., Animal Physiology
Manssour, Dr. A.-H., Physical Chemistry
Meati, M., Geology
Risk, Dr. H., Zoology
Shaheed, Dr. W., Atomic Physics
Samman, Dr. A., General Physics
Soudan, Dr. A., Pure Mathematics
Tarbadar, Dr. T., Light
Tintawi, Dr. A.-Gh., Pure Mathematics
Zeisafoon, Gh., Physical Chemistry

ATTACHED INSTITUTE:

Higher Institute of Social Work: Rawda, Damascus; f. 1962; economic and social studies; Dir. Samir Droubi.

TISHREEN UNIVERSITY

LAZIKIAH

Telephone: 12104.

Founded 1971 as University of Lattakia; present name 1977.

Language of instruction: Arabic; Academic year: October to June.

President: S. YASSIN.
Vice-President: I. JANO.
Secretary: M. M. GANEM.
Librarian: M. ABDLLAH AL HOCHI.

Number of teachers: 50.
Number of students: 4,695.

DEANS:

Faculty of Sciences: Dr. HASSAN ISMAIL.
Faculty of Agriculture: ADNAN BALEH.
Faculty of Arts: (vacant).
Faculty of Engineering: Dr. KHALED HALLAJ.
Faculty of Medicine: Dr. ABOU OBEID.

COLLEGES

Aleppo Institute of Music: f. 1955; departments of Eastern and Western music.

Damascus Oriental Institute of Music: f. 1950; departments of Eastern and Western music; aims to revive Arab music and preserve Syrian folk dances and tunes.

Higher Industrial School: Damascus; f. 1964; mechanical and electrical engineering; 120 students.

Damascus Institute of Technology: Airport Motorway, P.O.B. 86; f. 1963; mechanical, production, automobile, electrical engineering, heating and ventilation; library of 6,000 vols.; Dean F. NASSER.

TANZANIA

Population 15,607,000

LEARNED SOCIETIES

British Council: Independence Ave., P.O.B. 9100, Dar es Salaam; Rep. G. W. SHAW.

East African Literature Bureau, Tanzania: P.O.B. 1408, Dar es Salaam; f. 1948; Dir. N. L. M. SEMPIRA; Senior Book Production Officer N. SHERALY.

Goethe-Institut: P.O.B. 9510, Dar es Salaam; f. 1962; German classes, library and cultural programme.

Historical Association of Tanzania: P.O.B. 35094, c/o Institute of Education, Dar es Salaam; f. 1966; 1,500 mems.; Chair. G. P. MPANGALA; Sec. Mrs. B. OMARI; publ. *Tanzania Zamani*†.

Tanzania Library Association: P.O.B. 2645, Dar es Salaam; f. 1965 as a branch of the East African Library Association, reorganized 1972 as an independent body; 100 mems.; Chair. F. K. TAWETE; Sec. T. E. MLAKI; publ. *Someni* (2 a year).

Tanzania Society: Box 511, Dar es Salaam; f. 1936; a non-profit society catering for the geographical, ethnological, historical, and general scientific interests of Tanzania; *c.* 1,200 mems.; publ. *Tanzania Notes and Records*† (bi-annually).

RESEARCH INSTITUTES

Animal Production Research and Training Institute: Private Bag, Mpwapwa, Dodoma; f. 1905; certificate and diploma courses in breeding and nutrition of livestock; library of 500 vols., 25 periodicals; Dir. A. M. MACHA; publs. *Annual Report*†, *Progressive Stockman*† (quarterly).

East African Marine Fisheries Research Organisation: P.O.B. 668, Zanzibar; f. 1950; research into fishing methods and the migration, feeding and breeding habits of fish of the East African coast; Dir. G. KITAKA; publ. *Annual Report.*

East African Institute of Malaria and Vector-borne Diseases: Amani, Tanga; f. 1949; investigation into human vector-borne diseases, especially malaria and onchocersiasis; Dir. P. WEGESA; publ. *Annual Report.*

East African Institute for Medical Research: P.O.B. 162, Mwanza; f. 1949; investigations into various tropical diseases with emphasis on bilharziasis, and hookworm in East Africa; Dir. Dr. V. M. EYAKUZE; publ. *Annual Report.*

Forest Division Headquarters: P.O.B. 426, Dar es Salaam; forest surveying, mapping, industrial development, economics, management and education; library of 2,500 vols.; Dir. E. M. MNZAVA.

Geology and Mines Division: Ministry of Commerce and Industries, P.O.B. 903, Dodoma; f. 1925; regional mapping, mineral exploration and assessment; supporting laboratory facilities; library of 3,200 text books, 1,350 bound vols.; reprints and maps; Commr. G. LUENA; publs. *Bulletins, Memoirs, Annual Reports, Geological Maps.*

Institute of Swahili Research: P.O.B. 35110, Dar es Salaam; f. 1970; initiates fundamental research and co-operates with Governments and other public authorities and organizations; promotes the standardization of orthography and the development of language generally; preparing new standard dictionary; Dir. A. M. KHAMIS; publs. *Kiswahili*†, *Mulika* (2 a year), Supplements.

Silviculture Research Institute: P.O.B. 95, Lushoto; f. 1951; Officer-in-Charge J. A. TINKASIMIRE; publs. *Technical Notes, Tanzania Silviculture Research Notes.*

Sisal Research Station (Mlingano): Ministry of Agriculture, Tanzania, Private Bag, Ngomeni, Tanga; f. 1935; research on cultivation of sisal and other crops; Dir. J. SAMKI.

Tanzania National Scientific Research Council: P.O.B. 4302, Dar es Salaam; f. 1968; advises the government on all aspects of research; executive functions: co-ordinates all research in the country, promotes documentation and dissemination of information on research, collaborates with other research organizations; library of 3,000 vols.; Chair. Dr. W. K. CHAGULA; Dir.-Gen. Prof. H. Y. KAYUMBO.

Tropical Pesticides Research Institute: P.O.B. 3024, Arusha; f. 1962; research into tropical pests, including medical and veterinary carriers of disease, insect pests and weeds in agricultural crops; Dir. Dr. M. E. MATERU; publ. *Annual Report.*

LIBRARIES

Agricultural Department Library: P.O.B. 159, Zanzibar; agriculture in general; 1,100 vols., 50 periodicals.

British Council Library: P.O.B. 9100, Dar es Salaam; f. 1952; 12,047 vols., 93 periodicals; Librarian Miss P. WATTS-RUSSELL, B.SC.(ECON.), A.L.A. (based in Kenya).

International Communication Agency Library: P.O.B. 9170, Dar es Salaam; f. 1959 as USIS Library; 4,000 vols.

Ladha Maghji Indian Public Library: P.O.B. 70, Mwanza; 3,000 vols.; Librarian C. B. VYAS.

Museum Library: P.O.B. 116, Zanzibar; free public lending service; 3,000 vols. and 41 periodicals.

National Archives: India/Chusi St., P.O.B. 2006, Dar es Salaam; f. 1963; German and British Colonial archives, post-independence archives; Dir. M. H. NASSOR; publs. *Annual Report, Guide to Archives.*

Tanzania Information Services Library: Dar es Salaam; reference books on Tanzania, journalism, photography, social sciences, geography and history; newspapers and periodicals.

Tanzania Library Service: P.O.B. 9283, Dar es Salaam; f. 1964; operates the following services: **National Central Library,** Dar es Salaam; Documentation Services, Dar es Salaam; public libraries in Arusha, Bukoba, Iringa, Kahama, Korogwe, Mbeya, Morogoro, Moshi, Mwanza, Mtwara, Njombe, Shinyanga, Tabora and Tanga; rural library extension service in five regions; book box exchange service; school library service including mobile service; postal library service; certificate training course; book publishing and translation programme; total stock: 1,000,000 vols.; Dir. E. E. Kaungamno, B.A., M.L.S.

The University Library: P.O.B. 35092, Dar es Salaam; f. 1961; legal deposit library; 221,000 vols.; Chief Librarian M. K. S. Mvaa.

Zanzibar Government Archives: P.O.B. 116, Zanzibar; history and administration; 3,500 vols.; Archivist Sais Hilal El-Bauly.

MUSEUMS

National Museum of Tanzania: P.O.B. 511, Dar es Salaam; f. 1937 as King George V Memorial Museum, name changed 1963; ethnography, archaeology and history; houses the *Zinjanthropus* skull and other material from Olduvai and other Early Stone Age sites; also houses reference library; village museum and mobile museum for Education Service; branch museum at Arusha; Dir. Dr. F. T. Masao; publs. *Annual Report*†, occasional papers†.

Zanzibar Government Museum: P.O.B. 116, Zanzibar; local collection, items relating to exploration in East Africa; library; Archivist and Curator Sais Hilal El-Bauly.

UNIVERSITY AND COLLEGES

UNIVERSITY OF DAR ES SALAAM

P.O.B. 35091, DAR ES SALAAM
Telephone: 53611.

Founded 1961; University status 1970; Unesco-aided.

Language of Instruction: English; Academic year: July to June (four terms).

Chancellor: President Julius K. Nyerere, M.A.
Vice-Chancellor: Ibrahim M. Kaduma, B.PHIL.
Chief Academic Officer: Prof. I. N. Kimambo, M.A., PH.D.
Chief Administrative Officer: M. J. Kinunda M.A.

Library: *see* Libraries.

Number of teachers: *c.* 535.
Number of students: 2,787.

Publications: *Calendar, Prospectus, Report on Research, Annual Report.*

Deans:

Faculty of Law: Prof. J. L. Kanywanyi, LL.M.
Faculty of Arts and Social Science: Prof. G. R. V. Mmari, M.A., PH.D. (acting).
Faculty of Science: Prof. P. B. Vitta, M.SC., PH.D.
Faculty of Medicine: Prof. A. M. Nhonoli, M.B.CH.B., D.T.M. & H., M.D., F.R.C.P.
Faculty of Agriculture, Forestry and Veterinary Science: Prof. M. L. Kyomo, M.SC.
Faculty of Engineering: A. S. Mawenya, M.SC., PH.D.

Heads of Department:

Datoo, B. A., Geography
Gosling, H., Behavioural Sciences
Hauli, J. G., Psychiatry
Have, H., Agricultural Engineering and Land Science
Higham, St. C., Foreign Languages and Linguistics (acting)
Hiza, P. F., Surgery
Kamenju, G., Literature
Kanywanyi, J. L., Law
Karashani, J. T., Anatomy and Histology
Kategile, J. A., Animal Science
Kilama, W. L., Parasitology, Entomology
Kimati, V. P., Child Health
Kitundu, P. A., Traditional Medicine
Klem, G. S., Forestry
Kombo, C. L., Veterinary Science
Lwakabamba, S. B., Mechanical Engineering
Lweno, H., Anaesthesia
Lyakurwa, M. P., Management and Administration (acting)
Mabele, R. B. (acting), Economic Research Bureau
Maganga, C., Kiswahili
Malima, K., Economics
Mascarenhas, A. C., Bureau of Resource Assessment and Land Use Planning
Mbughuni, L., Arts, Music and Theatre
Mmari, G. R. V., Education
Monyo, J. H., Crop Science
Moris, J., Agricultural Education and Extension
Msangi, A. S., Zoology and Marine Biology
Mshigeni, K. E., Botany
Msuya, E. A., Rural Economy
Msuya, P. M., Biochemistry
Mushi, S. S., Political Science
Mwaluko, G. M. P., Pharmacology
Ndaalio, G., Chemistry
Nhonoli, A. M., Medicine
Ntimavalye, L. A. R., Gynaecology
Omari, C. K., Sociology
Parker, N. A., Civil Engineering (acting)
Prasad, G. S., Geology
Prasad, J., Statistics
Sawhney, A. N., Immunology
Schiller, E. J., Hydrology
Shaba, J. K., Pathology
Summerhill, R. A., Physiology
Sweeny, T. L., Epidemiology, Biostatistics
Thelen, W., Electrical Engineering
Uriyo, A. P., Agricultural Chemistry and Soil Science
Vitta, P. B., Physics
Willet, W., Community Health
York, P., Pharmacy

Attached Institutes

Institute of Development Studies: P.O.B. 35051, Dar es Salaam; Dir. Dr. G. C. K. Gwassa.

Institute of Kiswahili Research: P.O.B. 35110, Dar es Salaam; Dir. A. M. Khamisi.

College of National Education: P.O.B. 533, Korogwe, Tanga Region; 121 students; Principal F. D. Ntemo.

College of Business Education: P.O.B. 1968, Dar es Salaam; f. 1965; 18 teachers; 175 full-time, 600 part-time students.

Dar es Salaam Technical College: P.O.B. 20571, Dar es Salaam; f. 1956.

Kivukoni College: P.O.B. 9193, Dar es Salaam; f. 1961; residential courses for adults in Politics, Economics, History, Sociology, Public Administration and Industrial Relations; controlled by the Central Committee of TANU and subsidized by the Tanzanian Government; Principal P. J. Mhaiki; 150 students; publ. *Mbioni* (monthly).

Usambara Trade School: Lushoto; f. 1961; 70 students.

THAILAND

Population 43,569,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Applied Scientific Research Corporation of Thailand: 196 Phahonyothin Rd., Bangkok; operates as principal research agency of Government under Act of Parliament of 1963.

Governor and Chairman: Wadanyu Nathalang.

Expert Consultants: Dr. Sanga Subhasri, Krit Sombatsiri, Bancha Lumsum, Somporn Punyagupta.

Administers the following:

Industrial Research Department: Dir. Dr. Malee Sundhagul.

Agricultural Research Department: Dir. Prapandh Boonklindajorn.

Project Research Department: Dir. Nitasna Pichitakul.

Economic Research Department: Dir. Dr. Lumduan Maprasert.

Building Research Department: Dir. Pongpun Vorasuntharosoth.

Testing and Standard Department: Dir. Siri Nandhasri.

Environmental and Ecological Department: Dir. Dr. Sermpol Ratasuk.

Thai National Documentation Department: see below.

Asia Foundation: P.O.B. 1910, Bangkok 5; one of 12 branches of the main organization in the U.S.A. (*q.v.*); to assist local institutions and organizations concerned with educational and socio-economic development; Rep. John E. James.

British Council: 428 Rama I Rd., Siam Square 2, Bangkok 5; library: *see* Libraries; Rep. D. M. Waterhouse.

Buddhist Research Centre: Wat Benchamabopitr, Bangkok; f. 1961; sponsored by Department of Religious Affairs, Ministry of Education; publ. *Pali-Thai-English Dictionary*, vol. 1.

Department of Minerals: Ministry of National Development, Rama VI St., Bangkok; geological mapping, mineral prospecting, mineral dressing and metallurgical research; Dir.-Gen. Vija Sethaput.

Department of Science: Rama VI St., Bangkok 4; f. 1891; research in food technology, industrial fermentation, pulp and paper raw materials, chemical engineering processes, air and water pollution control, industrial standards and specifications, testing and analysis services; staff of 503; library: *see* Libraries; Dir.-Gen. Dr. Praprit Na Nagara; publs. *Annual Report, Bulletin* (monthly and every 4 months).

Fisheries Technology Section: Division of Research and Investigation, Dept. of Fisheries, Ministry of Agriculture and Co-operatives, Bangkok; f. 1954; fish handling, processing and utilization; Head of Section Mrs. Bang-Orn Saisithi.

Forest Products Research Division: Royal Forest Dept., Ministry of Agriculture and Co-operatives, Paholyothin Rd., Bangkhen, Bangkok 9; f. 1935; timber and forest products utilization; staff of 119; Dir. of Division Pong Sono; library of 12,000 vols.

German Cultural Institute: 102/1 Phra Athit Rd., Bangkok; Dir. Dr. W. Kuenzel.

Marine Biology Centre: Marine Fisheries Division, 89/1 Sapanpla, Yanawa, Bangkok 12; f. 1968; research and the training of marine biologists; Dir. Deb Menasweta.

Medical Association of Thailand: 3 Silom St., Bangkok; f. 1921; 3,057 mems.; Pres. Prof. Dr. Songkrant Niyomsen, M.D., Dr.Med.; Hon. Sec. Prof. Dr. Sanong Unakol; publ. *Journal*.

Office of the Atomic Energy Commission for Peace: Srirubsook Rd., Bangkhen, Bangkok 9; f. 1961; staff of 180; Sec.-Gen. Dr. Svasti Srisukh; library of 6,100 vols., 280 periodicals; publ. *Thai AEC 1–76*.

Royal Institute (*Royal Institute of Arts and Sciences*): Thanon Na Phra That, Bangkok 2; f. 1933; for the investigation and encouragement of all branches of knowledge, the exchange of knowledge and for advice to the Government; 76 mems.; 9,000 vols.; Pres. Prof. Dr. Serm Vinicchayakul; Vice-Pres. Dr. Tab Nilanidhi; Sec.-Gen. Charoen Intharakaset; publs. *Saranukrom Thai* (monthly instalments), *Journal of the Royal Institute.*

Rubber Research Centre: Hat Yai, Songkhla, Dept. of Agriculture, Ministry of Agriculture, Bangkok.

Science Society of Thailand: Library Building, Faculty of Science, Chulalongkorn University, Phya Thai Rd., Bangkok; f. 1948; aims to encourage education and investigation in all branches of science; *c.* 150 mems.; Pres. Dr. Pradisth Cheosakul; Sec.-Gen. Dr. Twesukdi Piyakarnchana; Librarian Dr. M. R. Puttipongse Varavudhi; publ. *Science* (monthly).

Siam Society (formerly the Thailand Society): 131 Soi Asoke, Sukhumvit 21, P.O.B. 65, Bangkok; f. 1904; under royal patronage; *c.* 1,500 mems.; for the investigation and encouragement of art, science and literature of Thailand and neighbouring countries; Pres. Prof. Chitti Tingsabadh; Hon. Sec. Mrs. Nisa Sheanakul; library of 25,000 vols.; publs. *Journals, Index to the Journal, Natural History Bulletins.*

Thai Library Association: c/o National Library, Ta-Vasukri, Bangkok 3; f. 1954; 1,524 mems.; Pres. R. Intarakumhang; Sec. N. Puakpong; publs. *T.L.A. Bulletin, The World of Books.*

Thai-Bhara Cultural Lodge (f. 1940) and **Swami Satyananda Puri Foundation Library** (f. 1942): 136/1 Siriphongs Rd., Bangkok; 450 mems.; the Swami Satyananda Foundation Library contains 5,500 vols.; Hon. Pres. Phya Auman Rajadhon; Hon. Sec. Pandit Raghunath Sharma; classes conducted in Sanskrit, English, Hindi, Thai, and on comparative Indio-Siamic topics, comparative philosophy and religion, exegesis of Hindu scriptures.

Unesco Regional Office for Education in Asia and Oceania: P.O.B. 1425, Bangkok; f. 1961; a base for supporting and planning operational action for the development and reform of education in this area; carries out regional projects in support of national programmes and provides advisory services to the member states in Asia and Oceania; stimulates educational innovations relevant to developmental needs by inter-country co-operation and by the network of associated national centres and development groups; library of 65,000 documents; clearing house service collects information on education in Asia and makes this available to governments, institutions and educational workers; attached are the clearing house service for population education and resource material units for the Asian Centre of Educational Innovation for Development; also office of Regional Advisers for Social Sciences and Culture; 38 staff; Dir. Raja Roy Singh; publs. *Bulletin*† (annual), *Education in Asia*† (reviews, reports and notes, 2 a year), *Statistical Review of Education*, *ACEID Newsletter*, *Population Education Newsletter*, *Educational Building Reports and Digests*, *List of Publications*, staff papers, reports, instructional materials, etc.

LIBRARIES AND ARCHIVES

Asian Institute of Technology Library and Documentation Centre: P.O.B. 2754, Bangkok; 95,000 vols., 815 periodicals; four information centres in: geotechnical engineering, ferrocement, renewable energy resources, rural sanitation; Dir. Jacques Vals, Ph.D.

British Council Library: 428 Rama I Rd., Bangkok 5; f. 1953; 32,847 vols., 108 periodicals; Librarian G. A. R. Davis, A.L.A.

Chulalongkorn University Library: Phya Thai Rd., Bangkok 5; f. 1910; 134,000 vols.; Librarian K. Tantavirat, M.S. in L.S.

Economic and Social Commission for Asia and the Pacific Library: United Nations Bldg., Rajdamnern Ave., Bangkok 2; Librarian Mrs. Zerrin Polite.

International Communication Agency Library: 9 Sadaw Rd., Amphur Muang, Songkhla; information on U.S.A.

Library of the Department of Science: Rama VI St., Bangkok 4; f. 1918; *c.* 150,000 vols.; Senior Librarian Miss Tweelak Boonkong, B.Sc.

Main Library, Kasetsart University: Bangkok 9; f. 1943; 74,990 vols.; Librarian Miss Daruna Somboonkun, M.A., M.L.S.; publ. *Kasetsart Journal*† (irregular).

National Archives Division: Fine Arts Department, Samsen Rd., Bangkok 3; f. 1952; 4,783 reference books, 58 periodicals, 113,104 dossiers of public and personal records; also maps, photos, tape recordings, etc.; Dir. Mrs. Choosri Swasdisongkram; publ. *Silpákon* (bi-monthly).

National Library: Samsen Rd., Bangkok 3; f. 1905; 820,910 vols., 145,574 MSS.; deposit library; Chief Librarian Mrs. Maenmas Chavalit.

Neilson Hays Library: 195 Suriwongse Rd., Bangkok; f. 1869; Pres. Lady Jennifer Holt; Librarian Mom Rajwongse Napachari Sirisinha.

Siriraj Medical Library: Dhonburi, Bangkok; 70,000 vols.; Librarian U. Dhutiyabhodi, B.A., M.S.

Sri Nakharinwirot University Library: Bangkok; f. 1954; 95,217 vols.; member Ashail; audio-visual centre; Head Librarian Wit Thapthiang; brs. in Bang Saen, Patoom Wan, Pitsanuloke, Mahasarakam, Songkla, Pra Nakorn; publs. *Education in Thailand—a bibliography*, *Games in the Classroom*.

Thai National Documentation Department: 196 Phahonyothin Rd., Bang Khen, Bangkok 9; f. 1961; documentation services to science and technology; Dir. Mrs. Chalermvarn-Choosup.

Thammasat University Library: Bangkok 2; f. 1933; social sciences and humanities; 247,621 vols., 958 periodicals; Librarian Mrs. Phakaivan Chiamcharoen; publ. *University Catalog*.

MUSEUM

National Museum: Na Phra-dhart Rd., Bangkok 2; f. 1926; prehistoric artefacts, bronze and stone sculptures, costumes, textiles, ancient weapons, coins, wood-carvings, ceramics, royal regalia, theatrical masks and dresses, marionettes, shadow-play figures, funeral chariots, illustrated books, musical instruments; Dir. Mrs. Chira Chongkol; publs. *Guide to the National Museum*, *Official Guide to Ayutthaya and Bang Pa-in*, *Guide to Old Sukhothai*, *Thai Cultural Series*, etc.

UNIVERSITIES AND TECHNICAL INSTITUTES

ASIAN INSTITUTE OF TECHNOLOGY

P.O.B. 2754, BANGKOK
Telephone: 788311.
Founded 1959.

Independent graduate school, open to graduates from all Asian countries; 2-term (8 months) course leading to Diploma; 5-term (21 months) course leading to a Master's degree; further 2 years leading to Doctor's degree; language of instruction: English.

President: Robert B. Banks, Ph.D.

Vice-President and Provost: Hiroyoshi Shi-Igai, Ph.D.

Vice-President for Development: Ricardo P. Pama, Ph.D.

Academic Secretary: W. P. J. Brandon, M.A.

Director of Library and Regional Documentation Centre: Jacques Valls, Ph.D.

Library: *see* Libraries.

Number of teachers: 60.
Number of students: 500.

Publications: *Prospectus*, *Catalog*, *Research Summary* (annual), *Review* (quarterly).

Chairmen of Divisions:

Adulbhan, P., M.S., Ph.D., Industrial Engineering and Management
Arbhabhirama, A., Ph.D., Water Resources Engineering
De Goede, J. H., Ph.D., Community and Regional Development
Jones, J. H., Ph.D., Geotechnical and Transport Engineering
Karasudhi, P., Ph.D., Structural Engineering and Construction
Singh, G., Ph.D., Agricultural and Food Engineering
Thanh, N. C., Ph.D., Environmental Engineering

Attached Institute:

Regional Computer Centre: Dir. Dr. M. Nawaz Sharif.

CHIANG MAI UNIVERSITY

CHIANG MAI
Telephone: 221699, 221688.
Founded 1964.

Languages of instruction: Thai and English; State control; Academic year in two semesters.

Chancellor: B. Martin, M.D.

Rector: P. Vichaidit, M.A.

Vice-Rectors: C. Oralratmanee, Ph.D., A. Srisukre, M.D., C. Parnploy, B.S., C. Sivasomboon, M.D., T.M.

Registrar: Mrs. S. Meesiri, B.Ed.

Librarian: Mrs. S. Suchinda, M.S.

Number of teachers: 1,049.
Number of students: 7,752.

Publications: *University Announcement*, *Chiang Mai Wechasarn*, *Chiang Mai University Review*, *Nakorn Chiang Mai Hospital Gazette*, *General Information*, *Nursing Newsletter*, *University Catalogue*.

DEANS:

Faculty of Humanities: (vacant).
Faculty of Social Sciences: Col. P. ASANACHINDA, M.S.
Faculty of Science: S. CHEUNTRAGOOL, M.A.T.
Faculty of Medicine: C. SATAPANAKUL, M.D., M.P.H.
Faculty of Agriculture: B. LAMPAOPONGSE, M.S.
Faculty of Education: S. NIYOMKAR, B.SC., B.ED., M.A.
Faculty of Engineering: S. YUTABOOTR, M.S.
Faculty of Nursing: P. PANYAVANIJA, M.A.
Faculty of Dentistry: T. ANUMANRAJADHON, D.D.S.
Faculty of Pharmacy: S. PUNYARACHUN, PH.D.
Faculty of Technical Medicine: C. SANG-UDOM, M.D.

ATTACHED RESEARCH INSTITUTES:

Tribal Research Centre.

Lanna Thai Social Sciences Research Centre.

Regional Centre of Mineral Resources Region 3.

Industrial Economics Centre of Northern Thailand.

Anaemia and Malnutrition Research Centre.

Multiple Cropping Project.

CHULALONGKORN UNIVERSITY

PHYATHAI RD., BANGKOK 5
Telephone: 2527126-8.
Founded 1917.

State control; Language of instruction: Thai; Academic year: June to March.

Rector: Prof. KASEM SUWANAGUL.
Vice-Rector for Administrative Affairs and Secretary-General: Asst. Prof. A. NAMATRA.
Vice-Rector for Academic Affairs: Assoc. Prof. K. MONGKOLKUL.
Vice-Rector for Planning and Development: Prof. T. VAJRABHAYA.
Vice-Rector for Property Management: Asst. Prof. P. VEJJAJIVA.
Vice-Rector for Student Affairs: Asst. Prof. Y. LAKSANAKOSES.
Vice-Rector: Assoc. Prof. M. KHEMMANI.
Librarian: Asst. Prof. K. TANTAVIRATANA.

Libary; *see* Libaries.

Number of teachers: 2,000.
Number of students: 15,367.

Publications: *The Journal of Education* (every 2 months), *The Journal of Social Science* (quarterly), *The Journal of Medicine* (quarterly), *The Journal of Veterinary Medicine* (quarterly), *The Research Journal* (annually), *The Journal of Communication Arts* (every 2 months), *The Journal of Mathematics* (monthly), *The Journal of Law* (3 a year), *Thai Journal of Pharmaceutical Science* (every 2 months), *Fact Book* (annually).

DEANS AND DIRECTORS:

Faculty of Arts: Prof. K. SATHIRATHAI.
Faculty of Science: Prof. V. HAYODOM.
Faculty of Architecture: Assoc. Prof. M. L. P. MALAKUL.
Faculty of Commerce and Accountancy: Prof. T. NANDABHIWAT.
Faculty of Political Science: Prof. K. TONGDHAMACHART.
Faculty of Economics: Assoc. Prof. W. WONGHANCHAO.
Faculty of Education: Prof. A. SUCHARITAKUL.
Faculty of Engineering: Prof. S. SETAMANIT.
Faculty of Medicine: Prof. S. VANIKIETE.
Faculty of Veterinary Science: Assoc. Prof. P. BODHIPAKSHA.
Faculty of Dentistry: Prof. S. CHAMNANNIDIADHA.
Faculty of Communications Arts: Prof. B. SIHA-UMPHAI, M.S. IN ED.
Faculty of Law: Assoc. Prof. U. MONKOLNAVIN, LL.B.
Faculty of Pharmaceutical Science: Asst. Prof. B. SAISORN.
Graduate School: Prof. V. PRACHUABMOH.
Institute of Social Research: Prof. P. SAIHOO.
Institute of Health Research: Prof. C. SUWANWELA.
Institute of Environmental Research: Assoc. Prof. T. PIYAKARNCHANA.
Institute of Population Studies: Asst. Prof. N. DEBAVALYA.
Language Institute: Prof. T. KRISHNAMRA.

KASETSART UNIVERSITY

BANGKHEN, BANGKOK 9
Telephone: 5790113.
Founded 1943.

Language of instruction: Thai (undergraduate), Thai and English (graduate); State control; Dates of Academic year: June to March (two semesters).

Rector: R. SAGARIK, B.S.
Vice-Rector for Development: A. NAKAJUD, M.S.
Vice-Rector for Academic Affairs: S. AREEKUL, PH.D.
Vice-Rector for Business Affairs: P. INGKASUWAN, PH.D.
Vice-Rector for Student Affairs: B. KALAYANAMITR, M.D.
Registrar: P. NUDAKARNCHANAKULA, B.ENG.
Librarian: Miss DARUNA SOMBOONKUN, M.A., M.L.S.

Library: *see* Libraries.

Number of teachers: 1,047.
Number of students: 6,791 undergraduates, 1,267 graduates.

Publications: *Animal Husbandry* (irregular), *The Cooperatives* (irregular), *Kasetsart News* (monthly), *The Kasetsart Journal* (2 a year), *K.U. Newsletter* (2 a month), *Pra Piroon* (irregular student publ.).

DEANS:

Faculty of Agriculture: AROON CHANTANAO, PH.D.
Faculty of Fisheries: MEK BOONBRAHM, M.S.
Faculty of Forestry: CHONGRAK PREECHANANDA, PH.D.
Faculty of Science and Arts: KRISNA CHUTIMA, PH.D.
Faculty of Engineering: BOONSOM SUWACHIRAT, M.ENG.
Faculty of Economics and Business Administration: SOPIN TONGPAN, PH.D.
Faculty of Social Sciences: NIPHON KANTASEWI, PH.D.
Faculty of Veterinary Science: RAMPUNG DISSAMARN, D.V.M.
Faculty of Education: BOONTHAM CHITANAN, PH.D.
Graduate School: Prof. BANJERD KHATIKARN, PH.D.
Institute of Food Research and Product Development: Prof. AMARA BHUMIRATANA, M.S.
Office of Extension and Training: PORN RESANONDA, M.S.
Director of Research: KAMPHOL ADULAVIDHAYA, PH.D.
Dean of Women: Ms. LAMOM BUSPAVANICH, M.S.
National Corn and Sorghum Research Centre: ASCHAN SUKTHAMRONG, PH.D.
National Swine Research and Training Centre: SUCHEEP RATARASARN, PH.D.
Highland Agriculture: PAVIN PUNSRI, M.S.

PROFESSORS:

AREEKUL, S., PH.D., Entomology
BHUMIRATANA, A., M.S., Food Science
BURANAMANAS, P., M.S., Veterinary Medicine
CHANDRAPAURAYA, C., B.S., Home Economics
CHUTIMA, K., PH.D., Chemistry
DISSAMARN, R., D.V.M., Veterinary Pathology
HAMBANANDA, P., B.S.F., Forestry
INGKASUWAN, P., PH.D., Poultry Husbandry
KANTASEWI, N., PH.D., Social Science
KHATIKARN, B., PH.D., Horticulture
PICHAIRONARONGSONGKRAM, C., D.V.M., D.SC., Veterinary Anatomy
PUNSRI, P., M.S., Pomology
RAKTIPAKORA, C., M.F., Forestry
RATARASARN, S., PH.D., Animal Husbandry
RIANGSUWAN, U., PH.D., Education
SAGARIK, R., B.S., Orchidology
SUJINDA, P., M.S., Cooperatives
VEJJAJIVA, C., M.A., Mathematics
YANSUGHONDA, D., PH.D., Microbiology

KHON KAEN UNIVERSITY

KHON KAEN
Telephone: 236499.
Founded 1966.

State control; Language of instruction: Thai; Academic year: June to March (two semesters), summer session April-May.

Rector: BIMALA KALAKICHA, D.SC., LL.D.

Vice-Rector for Academic Affairs: KAVI CHUTIKUL, M.S., PH.D.

Vice-Rector for Business Affairs: NIL MANICHOTE, LL.B.

Vice-Rector for Student Affairs: NOPADOL TONGSOPIT, M.D., F.I.C.S.

Vice-Rector for Planning and Development: KAWEE TANGSUBUTRA, M.D., D.M.R.T., R.C.S., R.C.P., F.F.R.

Librarian: Miss SRITONG SIHAPONG, M.A. IN L.SC.

Library of 49,437 vols.

Number of teachers: 425.
Number of students: 2,200.

Publications: *Kaen Kaset* (quarterly), *KKU Newsletter* (fortnightly), *See Ith, Journal of the Faculty of Science/Arts*, catalogues and departmental brochures.

DEANS:

Faculty of Agriculture: KAVI CHUTIKUL, M.S., PH.D.
Faculty of Education: SOMCHIT YODSERANEE, M.SC., PH.D.
Faculty of Engineering: Prof. CHALIT VEJJAJIVA, M.ENG., M.SC.
Faculty of Medicine: KAWEE TANGSUBTRA, M.D., D.M.R.T., R.C.S., R.C.P., F.F.R.
Faculty of Nursing: Mrs. SAIYUD NIYOMVIPHAT, R.N., M.S.
Faculty of Science/Arts: VERAPONG PODIMUANG, M.SC., PH.D.

KING MONGKUT'S INSTITUTE OF TECHNOLOGY

SUKSWAS 48, BANGMOD,
RASBURANA, BANGKOK 14

Telephone: 462-5719.

Founded 1960.

Rector: Prof. BHONGSAKDI VARASUNTHAROSOTH, B.ENG., M.S.M.E.
Vice-Rector: PIBOOL HUNGSPREUGS, PH.D.
Registrar: Miss UBOL CHANTAKAMOL, M.S.
Librarian: Mrs. AIM-ORN SRININTA, B.ED., M.S.L.S.

Library of 29,134 vols.
Number of teachers: 198.
Number of students: 1,582.

DEANS AND HEADS OF DEPARTMENTS:

Faculty of Engineering: HARIS SUTABUTR, PH.D.
  Civil Engineering Department: NARA KHOMNAMOOL, PH.D.
  Electrital Engineering Department: SAWASD TANTARATANA, PH.D.
  Mechanical Engineering: PRIDA WIBULSWAS, A.C.C.I., D.I.C., PH.D.
  Production Engineering: ATTHAKORN GLANKWAMDEE, PH.D.
  Chemical Engineering: SAKARINDR BHUMIRAPANA, PH.D.
Faculty of Education and Science: VUTTHI BHANTHUMNAVIN, PH.D.
  Industrial Education Department: PAIROAT TIRANATHANAGUL, M.SC.
  Language and Social Sciences Department: Mrs. NANTHA GOHWONG, M.A.
  Chemistry: Mrs. CLOCHAI PUNYASINGH, M.SC.
  Mathematics: Miss PRUNGCHUN WONG-WISES, DR.RER.NAT.
  Physics: PICHET LIMSUWAN, PH.D.
School of Energy of Materials: PRIDA WIBULSWAS, A.C.C.I., D.I.C., PH.D.

North Bangkok Campus

PIBULSONG KRAM RD.,
NORTH BANGKOK

Founded 1959.

Vice-Rector: BOONYASAK JAIJONGKIT.
Registrar: RANAT SIRICHOTE.
Librarian: Mrs. SUREE IAMSURIYASIN.

Library of 10,000 vols.
Number of teachers: 220.
Number of students: 2,000.

Nondhaburi Campus

LARDKRABANG, EAST BANGKOK

Founded 1960.

Vice-Rector: WITHYA PIENWICHIT.
Registrar: CHAROON.
Librarian: KOSOL.

Library of 10,000 vols.

Number of teachers: 180.
Number of students: 1,000.

Faculties of Telecommunications and Agriculture.

MAHIDOL UNIVERSITY*

SIRIRAJ HOSPITAL,
DHONBURI, BANGKOK 7

Telephone: 61897.

Telegraphic Address: Siriraj Hospital, Thailand.

Rector: K. CHARTIKAVANIJ, M.R.C.S., L.R.C.P., D.T.M., F.A.C.S.
Librarian: U. DHUTIYABHODI, M.A., M.S.

Library: *see* Libraries.

Number of teachers: *c.* 900.
Number of students: *c.* 4,320.

Publications: *University Announcement, Siriraj Hospital Gazette.*

DEANS:

Faculty of Medicine and Siriraj Hospital: S. SANGVICHIEN, M.D., D.SC.
Faculty of Dentistry: T. TANDIKUL, D.D.S., M.SC.D., F.I.C.D., F.A.C.D.
Faculty of Pharmacy: J. OSATHANONDH, M.D., DR.MED., D.T.M., D.SC.(MED.) (acting).
Faculty of Public Health: C. YAMARAT, M.D., DR.P.H.
Faculty of Medical Technology: V. VIRANUVATTI, M.D.
Faculty of Medicine, Ramathibodi Hospital: AREE VALYASEVI, M.D., D.SC. (acting).
Faculty of Medical Sciences: S. MONGKOLSUK, M.SC., PH.D.
Faculty of Tropical Medicine: C. HARINASUTA, M.D., D.SC., D.T.M., PH.D.
Faculty of Dentistry (Phyathai): ISARA YUKTANAN, D.M.D., M.S.D. (acting).
Faculty of Pharmacy (Phyathai): J. OSATHANONDH, M.D., DR. MED., D.T.M., D.SC. (acting).

* No reply received to our questionnaire this year.

PRINCE OF SONGKLA UNIVERSITY

HAAD-YAI, SONGKLA

Telephone: 244877.

Founded 1964; campuses at Pattani and Haad-Yai.

State control; Language of instruction: Thai; Academic year: June to March (two semesters).

Chancellor: (vacant).
Rector: Dr. PHASOOK KULLAVANIJAYA, PH.D.
Vice-Rectors: Dr. VIMOLYUT VARNASWANG (Haad-Yai Campus), PANN YUANLAIE (Pattani Campus).
Registrar (Haad-Yai Campus): Miss WANTA WANAVISUTH.
Registrar (Pattani Campus): PRAYAD SIRIWIHA.
Librarian: Mrs. NONGLAK SUWANAGIT.

Number of teachers: 479.
Number of students: 3,280.

Publication: *University News.*

DEANS:

Faculty of Engineering: Dr. NAKSITE COOVATTANACHAI.
Faculty of Science: Dr. SIRIPONGS SRIBHIBHADH.
Faculty of Medicine: Dr. KUMPEE MALLIKAMAS.
Faculty of Education: Dr. CHAMNARN PRATOOMSINDH.
Faculty of Humanities and Social Science: MANAO YUDEN, M.A.
Faculty of Management Science: Dr. PRICHA HONGSKRAILERS.
Faculty of Natural Resources: Dr. CHARUN CHANTALAKHANA.

ATTACHED INSTITUTE:

Phuket Community College: Dir. VICHIT CHANDHRAKUL.

RAMKHAMHAENG UNIVERSITY

HUA MARK, BANGKOK 10

Founded 1971.

Rector: KAMTHON PHANTHULAP.

Faculties of Business Administration, Humanities, Education, Law, Science, Politics, Economics.

SILPAKORN UNIVERSITY

NA PHRALAN RD., BANGKOK

Telephone: 2215869.

Founded 1943.

Language of instruction: Thai; State control; Academic year: June to March.

Rector: Prof. Dr. Adul Wichiencharoen.

Vice-Rector, Bangkok Campus: Prof. M. R. Tongyai Tongyai.

Vice-Rector, Nakorn Pathom Campus: Pibul Supakitvilekagarn.

Vice-Rector for Student Affairs: Somprasong Nuambulue.

Number of teachers: 306.

Number of students: 1,997.

Bangkok Campus: faculties of painting, sculpture and graphic arts, architecture, archaeology, decorative arts and graduate school.

Nakorn Pathom Campus: faculties of arts, education and science.

SRI NAKHARINWIROT UNIVERSITY

PRASARN MIT RD.,
SUKHUMWIT 23, BANGKOK 11

Telephone: 391-2583, 1430.

Founded 1954, University status 1974.

State control; Academic year: June to October, November to March.

President: Prof. Sudchai Laosunthara.

Vice-Presidents: Dr. Somporn Buatong (Academic Affairs), Charoon Komolboon (Administrative Affairs), Somkuwan Apypantr (Planning and Development), Dr. Boon-earn Milintasut (Pathum Wan Campus), Dr. Chalermwong Vajanasoontorn (Bangsean Campus), Dr. Phanas Hannakin (Pitsanulok Campus), Dr. Chatri Muangnapo (Maha Sarakham Campus), Dr. Preecha Dhunma (Bang Khen Campus), Dr. Natt Indrapana (Palasuksa Campus), Sermsak Visalaporn (Songkla Campus).

Registrar: Lert Choonaka.

Library: *see* Libraries.

Number of teachers: 1,356 (all campuses).

Number of students: 10,258 full-time, 12,307 evening.

Publications: *News* (monthly), *Graduate School Periodical* (quarterly), *Thesis Abstracts Series* (annually), faculty and campus periodicals, etc.

Deans:

Graduate School: Dr. Kanda Nathalang.

Faculty of Education: Dr. Songsak Srikalasin.

Faculty of Social Sciences: Dr. Prasat Laksila.

Faculty of Sciences: Dr. Prayong Pongthongcharoen.

Faculty of Physical Education: Samruan Ratanajara.

Faculty of Humanities: Mrs. Pranee Thanachanan.

Directors:

Behavioural Science Research Institute: Dr. Chancha Suwannathat.

Educational and Psychological Test Bureau: Luan Saiyos (acting).

Bangkok College of Nursing: Mrs. Chaicherd Apichartbut.

THAMMASAT UNIVERSITY

BANGKOK

Telephone: 223844, 223846.

Founded 1933.

State control; Language of instruction: Thai.

Rector: Puey Ungphakorn.

Vice-Rector for Administration: Mrs. Nongyao Chaiseri.

Vice-Rector for Student Affairs: Bunlue Khongchantra.

Registrar: Mrs. Pucharee Chompaisal (acting).

Librarian: Mrs. Phakaivan Chiamcharoen.

Library: *see* Libraries.

Number of teachers: 686.

Number of students: 10,760.

Publications: *Journal of Political Science, Thammasat University Journal, Thammasat University Newsletter.*

Deans:

Faculty of Law: Dr. Preedee Kasemsup.

Faculty of Commerce and Accountancy: Thongchai Suntivong.

Faculty of Economics: Dr. Lily Kosiyanon.

Faculty of Political Science: Anant Jetuwongse.

Faculty of Social Administration: Prof. Thevee Rajatanon.

Faculty of Liberal Arts: Mongkol Sihsobhon.

School of Journalism and Mass Communication: Dr. Somkuan Kawiya.

COLLEGES AND INSTITUTES

Agriculture

Ayuthaya Agricultural College: Ayuthaya.

Bang Phra Agricultural College: Bang Phra, Cholburi; f. 1957; teacher training; 8,000 vols.; Dir. Dr. Suraphol Sanguansri.

Maejo Institute of Agricultural Technology (MIAT): Maejo, Chiangmai; f. 1934; degree courses in agricultural technology, field crop technology (tobacco), poultry technology, horticultural technology (ornamental plants) and agricultural business administration; Rector Prof. Vipata Boonsri Wangsai; Dir. Apichai Ratanawaraha.

Nakorn Sithammarat Agricultural College: Tungsong, Nakorn Sithammarat.

Surin Agricultural College: Surin.

Economics and Administration

National Institute of Development Administration: Klong Chan, Bangkapi, Bangkok 10; consists of four graduate schools (Public Administration, Business Administration, Development Economics, Applied Statistics) and four centres (Research Center, Training Center, Development Document Center, English Language Center); 255 staff members; 59,485 vols. in library. Rector Dr. Somsakdi Xuto.

Technology

Bangkok Technical Institute: Linchee Rd., Tungmahamec, Bangkok 10; 2-year diploma courses.

Northeastern Technical Institute: Suranarai Rd., Korat; f. 1956; 218 teachers; 2,402 students; library of 30,000 vols.; 5-year diploma courses; Dir. E. Suntornpong (acting); publ. *Gijagam Technic.*

Northern Technical Institute: Huay Kaew Rd., Chiangmai; f. 1957; library of 50,777 vols.; 2–3-year diploma courses; Dir. C. Suwathee.

Southern Technical Institute: Songkla.

Thai-German Technical Institute: 150 Srichundra Rd., Khonkaen; f. 1964; 2- and 3-year courses; 499 students; library of 4,114 vols.; Dir. Dr. V. Kamudamas; publ. *TGTK Periodical* (10 times a year).

TOGO

Population 2,312,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: Lomé; f. 1947.

American Cultural Center: B.P. 852, Lomé; reading room, library of 5,000 vols.; cultural activities; Dir. DAVID G. SMITH.

Association togolaise d'échanges culturelles avec l'étranger (*Togolese Association for cultural exchanges with foreign countries*): Lomé; Pres. SANVI DE TOVE (President of the Legislative Assembly); Sec. M. ADOSSAMA (Director of Cabinet of the Ministry of Economic Affairs).

Association togolaise pour le développement de la documentation, des bibliothèques, archives et musée: s/c Bibliothèque de l'Université de Bénin, B.P. 1515, Lomé; f. 1959; promotes research in the field of documentation and library science; participates in the education of adults and young people; holds conferences, etc.; 60 mems.; Pres. KOFFI ATTIGNON; Sec.-Gen. EKOUE AMAH.

Goethe-Institut: B.P. 914, Lomé; f. 1961; cultural exchange; library of 5,000 vols.; Dir. HANS G. SALLMANN.

Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières (IRAT): B.P. 1163, Lomé; Dir. M. MARQUETTE. (*See* main entry under France.)

Institut de Recherches du Coton et des Textiles Exotiques: B.P. 3300, Lomé; station at Anie-Mono; f. 1948; Dir. M. COÛTEAUX; publs. *Rapports annuels Coton et Fibres Tropicales.* (*See* main entry under France.)

Institut National de la Recherche Scientifique: B.P. 2240, Lomé; f. 1965; co-ordination and initiation of national scientific research; 6 permanent staff; library of 1,000 vols.; Dir.-Gen. ANANI AHIANYO-AKAKPO; publ. *Etudes Togolaises* (quarterly).

Institut Togolais des Sciences Humaines: B.P. 1002, Lomé; f. 1960; a Service de Documentation Générale was created in 1937, to carry out documentation in museums, archives and scientific collections for the advancement of knowledge and study of problems of interest to the territory and to stimulate and assist works relating to varied local activities. This service was taken over by the Institut Français d'Afrique Noire (IFAN) in 1945, and includes publication of scientific reports, organisation of exhibitions, courses and conferences, care of ancient monuments and historic sites, encouragement of indigenous artists and craftsmen, the application of rules concerning excavations and the export of ethnographic objects or indigenous works of art, and protection of fauna and flora. The local centre of IFAN in Togo is the Institut Togolais des Sciences Humaines-Bibliothèque Nationale (INTSHU-BN), and includes departments of anthropology, archaeology, prehistory, history, ethnography, human geography, linguistics, sociology; Dir. KWAOVI GABRIEL JOHNSON.

Office de la Recherche Scientifique et Technique Outre-Mer: B.P. 375, Lomé; f. 1949; pedology, geography, sociology, hydrology, geophysics; library; Dir. J. F. VIZIER (*see* main entry under France).

Service des Mines du Togo: Lomé.

LIBRARIES

Bibliothèque Nationale: B.P. 1002, Lomé; German and French archives; 7,000 vols.; Dir. ROGER KANAO BEKOUTARE.

Bibliothèque du Ministère de l'Intérieur: Lomé; Librarian KWAOVI GABRIEL JOHNSON.

MUSEUM

Musée National: Dept. of Cultural Affairs, Lomé; f. 1975, in process of formation.

UNIVERSITY

UNIVERSITÉ DU BÉNIN

B.P. 1515, LOMÉ

Telephone: 3027-3500 Lomé

Founded 1965 as a College: university status 1970; includes all the institutions of higher education in the country.

Language of instruction: French; Academic year: October to June (three terms).

Rector: Prof. GABRIEL JOHNSON.

Vice-Rector: Dr. NABEBE PAKAI.

Secretary-General: A. BAKPASSI.

Librarian: E. E. AMAH.

Library of 5,000 vols.

Number of teachers: *c.* 250.

Number of students: *c.* 2,000.

Publications: *Annales de l'Ecole des Lettres*†, *Annales de l'Ecole des Sciences*†.

DEANS:

School of Letters: J. F. DUPONT.

School of Sciences: A. KEKEH.

Higher School of Administration: C. BUNIET.

Higher School of Economics and Law: M. J. L. POSTE.

Higher School of Industrial Engineering: A. TEKOU.

School of Medicine: J. K. KEKEH.

Higher School of Agriculture: R. BOURGAT.

Medical Training School: Dr. K. NATHANIELS.

Institute of Education: A. CARISTAN.

Centre de Formation Professionnelle Agricole de Tove: B.P. 401, Kpalime; f. 1901; 21 teachers, 230 students; library of 3,500 vols.; Dir. S. N. KANKARTI; Sec.-Gen. I. KUEVI.

Ecole Nationale d'Administration: ave. de la Libération, Lomé; f. 1958; provides training for Togolese civil servants; approx. 50 students; library of over 1,000 vols.; Dir. FOUSSÉNI MAMA; Sec.-Gen. NICOLAS ADJETEY.

Technical College: Sokodé; apprentice training.

TRINIDAD AND TOBAGO

Population 1,200,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agricultural Society of Trinidad and Tobago: 17-19 Edward St., Port-of-Spain; f. 1894; 528 mems.; Pres. Sir HAROLD ROBINSON; Sec. LEO C. NANTON; publ. *Journal* (quarterly).

American Center: 2B Marli St., Port of Spain.

Commonwealth Institute of Biological Control: Gordon St., Curepe; f. 1946; biological control of noxious pests and weeds; 15 mems., library of 5,000 vols., 20,000 separates on entomology; also operates stations in India, Pakistan, Switzerland, U.K. and sub-station in Ghana; Dir. Dr. F. D. BENNETT; publs. *Communications*, *Parasite Catalogue*.

Historical Society of Trinidad and Tobago: 20 Henry St., Port-of-Spain; Pres. E. E. WILLIAMS; Hon. Sec. and Treas. E. JOHNSON.

Library Association of Trinidad and Tobago: P.O.B. 1177, Port of Spain; f. 1960; Pres. Mrs. JEAN SEALY, A.L.A.; Sec. Miss ANN BECKLES, B.A.; publ. *Bulletin of the Library Association of Trinidad and Tobago*.

Pharmaceutical Society of Trinidad and Tobago: 80 Charlotte St., Port-of-Spain; f. 1899; 300 mems.; Pres. (vacant); Hon. Sec. W. E. WILLIAMS.

Southern East Indian Literary and Debating Association: Pres. M. H. SHAH; Hon. Sec. Mrs. G. E. RAMDIN.

Sugar Technologists' Association of Trinidad and Tobago: 80 Abercromby St., P.O.B. 230, Port-of-Spain; f. 1967; to promote technical discussion and research and publish information of interest to the sugar industry; 272 mems.; Pres. G. H. MAINGOT; Sec. M. Y. KHAN; publ. *Proceedings*.

Theosophical Society of Trinidad: Eastern Main Rd., Guaico; Organizing Sec. L. R. KHILLAWAN.

Tobago District Agricultural Society: Scarborough; Pres. Capt. R. H. HARROWER; Sec. Miss S. A. DAVIES.

Trinidad and Tobago Law Society: 28 St. Vincent St., Port-of-Spain; f. 1897; 80 mems.; Pres. O. J. WILSON; Hon. Sec. Senator the Hon. M. T. I. JULIEN, C.M.; publ. *Annual Report*.

Trinidad Art Society: Art Centre, French St., Port-of-Spain; f. 1945; 520 mems.; Pres. DENIS MAHABIR; Hon. Sec. ROBERT ALLFREY.

Trinidad Music Association: Bishop Anstey High School, Abercromby St., Port-of-Spain; f. 1941; 102 mems.; Pres. Mrs. ROBERT JOHNSTONE, C.B.E.; Hon. Sec. Mrs. VELMA JARDINE.

LIBRARIES AND MUSEUM

Carnegie Free Library: 19-21 St. James St., San Fernando; f. 1919; 61,000 vols.; functions as regional headquarters for Central Library rural services in the south of Trinidad; Chair. The MAYOR OF SAN FERNANDO; Librarian MARJORIE HUTCHEON.

Central Library of Trinidad and Tobago: P.O.B. 547, Port-of-Spain; a division of the Ministry of Education, Culture and Community Development; 429,000 vols.; Dir. Mrs. L. C. HUTCHINSON, F.L.A.

National Archives: The Government Archivist, P.O.B. 763, 105 St. Vincent St., Port-of-Spain; f. 1960; government and private archives; microfilm copies of Trinidad and Tobago records in other countries; Dir. ENOS SEWLAL; publ. *Select Documents*.

Trinidad Public Library: Knox St., Port-of-Spain; f. 1851; 68,000 vols.; Librarian Miss S. W. LEWSEY, A.L.A.

University of the West Indies Library: St. Augustine; formerly the Imperial College of Agriculture Library; f. 1926; 158,644 vols., 6,277 serials, 54,278 pamphlets, 341,218 unbound serial parts; Librarian Mrs. A. T. JORDAN, A.L.A., M.S., D.L.S., A.R.C.M. (*see also* under Jamaica).

National Museum and Art Gallery: 117 Frederick St., Port-of-Spain; f. 1962; fine arts, natural history, archaeology, history; Dir. (of Culture) M. P. ALLADIN; publs. occasional papers on Folk Arts, History, etc.

UNIVERSITY

UNIVERSITY OF THE WEST INDIES

ST. AUGUSTINE, TRINIDAD

Telephone: 662-7171.

Founded 1946 by the Governments of the Caribbean Commonwealth Territories with the co-operation of the British Government. It was sited at Mona, Jamaica, which became the first campus. The St. Augustine campus was the second, founded in 1960 by a merger with the former Imperial College of Tropical Agriculture; the third campus was opened in 1963 at Cave Hill, Barbados. The University serves Jamaica, Trinidad and Tobago, Barbados and the Commonwealth Territories in the Caribbean.

Autonomous control; Language of instruction: English; Academic year: October to June.

Chancellor: Sir ALLEN MONTGOMERY LEWIS, Q.C., LL.B.

Vice-Chancellor: A. Z. PRESTON, J.P., LL.B., F.C.A., F.R.ECON.S.

Pro-Vice-Chancellor at St. Augustine: L. E. S. BRAITHWAITE, B.A.

Secretary at St. Augustine: H. McE. GIBSON, B.A., A.I.C.S.

Librarian at St. Augustine: ALMA T. JORDAN, M.S., A.L.A., B.A., D.L.S., A.R.C.M.

Number of teachers: 270.

Number of students: 2,500.

Publications: *Handbook of Caribbean International Relations, Social Studies Journal, Mathematics Journal* (2 a year), *Concept Learning in Social Studies* (quarterly), *Working Papers on Caribbean Society* (occasional).

DEANS:

Faculty of Agriculture: Prof. J. A. SPENCE, PH.D.
Faculty of Engineering: Prof. G. M. RICHARDS, M.SC., PH.D., A.R.I.C., A.M.C.S.T., F.I.P., M.A.P.E., C.ENG.
Faculty of Arts and General Studies: Prof. K. O. LAURENCE, M.A.
Faculty of Social Sciences: A. A. MARK, B.COMM., C.A.
Faculty of Natural Sciences: D. M. BECKLES, PH.D.
School of Education: R. H. E. BRAITHWAITE, M.A.

PROFESSORS:

AHMAD, N., Soil Sciences
BARTHOLOMEW, C. F., Medicine
BEAUBRUN, M., Psychiatry
BRUCE, P. N., Petroleum Engineering
COHEN, R., Sociology
IMBERT, I. D. C., Construction Engineering
JULIEN, K. S., Electrical Engineering
KENNY, J. S., Biological Sciences
LAURENCE, K. O., History
McFARLANE, H., Chemical Pathology
MANIGAT, L., International Relations
PHELPS, H. O., Civil Engineering
RICHARDS, G. M., Chemical Engineering
SAMMY, G. M., Food Technology
SATCUNANATHAN, S., Mechanical Engineering
SAUNDERS, R. M., Physics
SPENCE, J. A., Botany
WEINRICH, J., Management Studies
WILSON, L. A., Crop Science

ATTACHED INSTITUTES:

Institute of Social and Economic Research: Co-Dir. J. HAREWOOD, B.SC.

Institute of International Relations: Dir. L. MANIGAT.

Institute of Seismic Research: Dir. J. TOMBLIN, PH.D.

TUNISIA

Population 5,737,000

LEARNED SOCIETIES

Association Tunisienne de Bibliothécaires, Documentalistes et Archivistes: B.P. 575, Tunis; f. 1966; publ. *Quarterly Bulletin*.

British Council: c/o British Embassy, 5 place de la Victoire, Tunis; library of 10,050 vols., 94 periodicals; Rep. J. E. LANKESTER.

Centre de Documentation Nationale: Ministry of Information, 2 rue d'Alger, Tunis; f. 1966; Dir. MOHAMED DABBAB; publ. *Documentation Tunisienne, Revue "Tunisie Actualités", Bulletin d'Information*.

Comité Culturel National: 105 avenue de la Liberté, Tunis; central body co-ordinating national and international cultural activities, sponsored by the Ministry of Culture and by foreign embassies; Regional and Local Cultural Committees throughout the country; Pres. LAMINE CHABBI.

Comité National des Musées: Musée National du Bardo; f. 1961; Pres. Mme NAYLA ATTYA; publ. *Les musées de Tunisie*.

Deutsches Kulturinstitut: 17 ave. de France, Tunis; Dir. Dr. H. P. ADOLF.

Institut National d'Archéologie et d'Art (formerly Direction des Antiquités et Arts): 4 place du Château, Tunis; f. 1957; 48 mems.; library of 10,000 vols.; archaeology, museography, ethnography; Dir. A. BESCHAOUCH; publs. *Africa*†, *Notes et Documents*†, *Cahiers des Arts et Traditions Populaires*†, *Bibliothqèue Archéologique*†, *Etudes Hispano-Andalouses*.

Comprises the following five departments:

- **Centre de la Recherche Archéologique et Historique:** Sec.-Gen. Mme HARBI-RIAHI.
- **Conservation du Patrimoine Archéologique et Historique:** Sec.-Gen. M. DAOULATLI.
- **Commission des Musées Archéologiques et Historiques:** Sec.-Gen. M. ENNAÏFER.
- **Centre des Arts et Traditions Populaires:** administers museums of art and ethnography at Sfax and Jerba; Sec.-Gen. Mme S. SETHOM.
- **Centre des Etudes Hispano-Andalouses:** Dir. M. ZBISS.

Institut des Belles Lettres Arabes: 12 rue Jamâa el Haoua, Tunis; f. 1930; cultural centre; library of Tunisian studies (22,000 vols.); Dir. A. DEMEERSEMAN; publs. *IBLA*† (2 a year), various studies on Tunisian, Arab and Islamic studies.

Istituto Italiano di Cultura: 35 ave. de la Liberté, Tunis; f. 1962; Dir. Prof. RAIMONDO PIZZUTO; library of 4,000 vols.

Union Nationale des Arts Plastiques: Musée du Belvédère, Tunis.

Union des Ecrivains Tunisiens: 13 rue Dar El-Jeld, Tunis; f. 1970; 94 mems.; Pres. MOHAMED MZALI.

RESEARCH INSTITUTES

Centre de Recherches pour l'Utilisation de l'Eau Salée en Irrigation: Route de Soukra, B.P. 10, Ariana; f. 1963; agronomy, irrigation, etc.

Institut Artoing: Tunis; veterinary research.

Institut de Recherches Scientifiques et Techniques: Tunis-Carthage; f. 1966; Dir. T. BEN MENA.

Institut National de Nutrition: 12 rue de Rome, Tunis; f. 1969; research in population nutrition, nutritional pathology, food industry; planning of food production and the establishment of nutritional standards; teaching of nutrition and food technology; Dir. Dr. Z. KALLAL.

Institut National de Productivité: ave. Maréchal Foch, El Omrane, Tunis; f. 1967; offers advice on productivity and efficiency in conjunction with the National Economic Plan; Pres. Dir.-Gen. ABDELLATIF KHEMAKHEM; Asst. Dir.-Gen. MHEDDEB RONISSI.

Institut National de la Recherche Agronomique de Tunisie: Ariana; f. 1914 as the Service Botanique et Agronomique de Tunisie; library of 6,000 vols., 1,200 periodicals; Dir. M. STA'M'RAD; publs. *Annales de l'Institut National de la Recherche Agronomique de Tunisie*, and miscellaneous reprints: *Documents techniques*.

Institut National de Recherches Forestières de Tunisie: B.P.2, Ariana; f. 1967 under present title; research in all aspects of forestry; 110 staff, of whom 40 are research workers and an expert from France; Documentation Centre comprises 2,000 vols. and 2,280 documents; Dir. H. HAMZA; publs. *Bulletin d'Information*† (2 a year), *Annales*†, *Notes Techniques*†.

Institut National de Recherches Vétérinaires: Tunis; centre for veterinary research.

Institut National Scientifique et Technique d'Océanographie et de Pêche: Salammbô; f. 1924; fisheries research; library of 1,720 vols., 1,407 periodicals; Dir. Dr. M. HADJ ALI SALEM; publ. *Bulletin*†.

Institut Pasteur: 13 place Pasteur, Tunis; f. 1906; library of 4,500 vols,; scientific staff of 16; Dir. Dr. AMOR CHADLI; Sec. M. R. ZERIBI; publ. *Archives de l'Institut Pasteur de Tunis* (quarterly).

Office de la Recherche Scientifique et Technique Outre-Mer: Mission ORSTOM auprès du Ministère de l'Agriculture: 18 rue Charles Nicolle, Tunis Belvedere; f. 1958; pedology, hydrology, geology, phytoecology, economics, geography; library; Dir. R. LEFÈVRE. (*See* main entry under France.)

Service Géologique: 95 ave. Mohamed V, Tunis; f. 1921; geological map-making; staff of 27; library of 1,200 vols., 500 periodicals; Dir. T. LAJMI; publs. *Annales des Mines et de la Géologie*†, *Notes du service géologique*†.

LIBRARIES

Archives Nationales: Présidence de la République, place du Gouvernement, Tunis; 19th-century MSS. in Arabic, Turkish, French, Italian and English.

Bibliothèque Nationale: B.P. 42, 20 Souk-el-Attarine, Tunis; f. 1885; 500,000 vols. in 12 languages; 7,000 periodicals; 25,000 Arabic and Oriental MSS.; depository of books published in Tunisia or written by Tunisians; bibliographical service; Curator EZZEDINE

Guellouz; publs. *Bibliographie Nationale*† (quarterly), *Informations Bibliographiques*†, *Catalogue général des Manuscrits*† (3 a year), occasional bibliographies on Tunisian subjects†.

Bibliothèques Publiques: Head Office: 10 rue de Russie, Tunis; f. 1965; 484,000 vols. in 41 public libraries throughout the country, notably at Béjà, Bizerta, Gabès, Gaisa, Jendouba, Kairouan, Kasserine, Le Kef, Medenine, Monastir, Nabeul, Sfax and Sousse; 40 children's libraries, 100 local and community libraries and 4 bookmobiles; Dir. Mohamed Naïfer; publ. *Statistics of public libraries* (annual).

MUSEUMS

Musée National du Bardo: Le Bardo, Tunis; f. 1888; contains prehistoric collections, relics of Punic, Greek and Roman art, and ancient and modern Islamic arts largest collection in the world of Roman mosaics; Dir. Ennaifer Mongi; publs. *La Civilisation Tunisienne à Travers la Mosaïque*, *Corpus des Mosaïques Antiques de Tunisie*, *La Cité d'Althiburos*, and occasional publications.

Other Museums under the control of the *Direction des Musées Nationaux:*

Musée Archéologique de Sfax: Sfax.
Musée d'Art Islamique du Ribat: Monastir.
Musée Archéologique de Sousse (Kasbah): Sousse.
Musée de Village de Moknine.
Musée Archéologique: Carthage.
Musée Antiquarium: Utique; Punic and Roman.
Musée Archéologique d'El Djem: Thysdrus.
Musée d'Art Islamique: Kairouan.
Musée d'Enfidaville.
Musée Archéologique de Mactar: Punic and Roman.

Musée National de Carthage: f. 1964.

Controls the following:

Parc des Thermes d'Antonin: f. 1953.
Parc des Villas Romaines de l'Odeon.
Basilique de Saint Cyprien.
Tophet de Salammbó.
Parc Archéologique de Carthage.
Conservation du Site de Carthage: Ave. de la Republique, Carthage; administers the excavation, restoration, preservation and display of Carthaginian monuments and sites.

UNIVERSITY

UNIVERSITÉ DE TUNIS

94 BOULEVARD DU 9 AVRIL 1938, TUNIS
Telephone: 261-414, 260-389.

Founded 1960, incorporating existing higher education institutions.

Languages of instruction: Arabic, French; Academic year, October to June (2 semesters).

Director of Higher Education and Scientific Research: Ahmed Bouraoui.

Number of teachers: 3,471.
Number of students: 26,781.

Publications: *Cahiers de Tunisie*† (each semester), *Annales de l'Université de Tunis*† (annually).

Deans:

Faculty of Mathematics, Physics and Natural Sciences: Mohamed Amara.
Faculty of Letters and Human Sciences: Hamadi Ben Halima.
Faculty of Law, Political and Economic Sciences: Sadok Belaid.
"Ez Zitouna" Faculty of Theology and Religious Science: Habib Belkhodja.
Faculty of Medicine: Amor Chadly.

There are also faculties situated in other towns: Monastir (pharmacy and dentistry), Sousse (medicine), Sfax (medicine, science and technology).

Constituent Schools and Institutes:

Institut des Hautes Etudes Commerciales: 3 place Ali Zouaoui, Tunis; f. 1942; 20 teachers, 180 students; Dir. Abdelmajid Baccour.

Institut de Recherche Scientifique et Technique: Tunis-Carthage; f. 1969; Dir. Taoufik Ben Mena.

Institut National de Carcinologie: Bab-Saadoun, Tunis; f. 1969; Dir. Dr. Najib Mourali.

Centre d'Etudes et de Recherches Economiques et Sociales: rue d'Espagne, Tunis; Pres. Ab. Bouhadiba; publ. *Cahiers.*

Institut Bourguiba des Langues Vivantes: 47 ave. de la Liberté, Tunis; f. 1961; classes for adults in English, Arabic, French, German, Spanish, Russian; 4,860 students; library of 20,000 vols.; Dir. Rached Hamzaoui; brs. in Bizerte, Gafsa, Sfax, Sousse.

Institut Supérieur de Gestion des Entreprises: Tunis; f. 1969; library of 1,400 vols.; Dir. Dr. A. Khemakhem.

Institut de Presse et des Sciences de l'Information: Tunis; Dir. Monsef Chanoufi.

Ecole Normale Supérieure: Le Bardo; 48 teachers; 402 students; Dir. Mohamed Abdesselam.

Ecole Normale Supérieure de l'Enseignement Technique: 5 ave. Félibre, Montfleury-Tunis; 42 teachers; 418 students; Dir. Béchir Mahjoub.

Ecole Nationale d'Ingénieurs de Tunis: Campus Universitaire; 108 teachers; 465 students; Dir. Mokhtar Latiri.

Ecole Nationale d'Ingénieurs: Gabès; f. 1975.

Centre d'Etudes et de Formation des Assistants en Gestion: Tunis; br. at Sfax.

Institut National des Sciences de l'Education: 17 rue Fénelon, Tunis; f. 1968; conducts research into oral methods of teaching French and Arabic, the training of primary school teachers, teaching techniques; medico-psycho-pedagogical centre; closed circuit TV; Dir. Abdelmejid Attia; publs. *Revue*, pedagogical documents.

OTHER INSTITUTIONS OF HIGHER EDUCATION

Centre d'Art Dramatique (Etudes Théâtrales): Mammamet; f. 1965; theatrical techniques, history and sociology of the theatre.

Conservatoire National de Musique, de Danse et d'Arts Populaires: 20 ave. de Paris, Tunis.

Ecole Nationale d'Administration: 24 ave. du Docteur Calmette, Mutuelleville, Tunis; f. 1949; reorganized 1964; postgraduate courses; 1,050 students; library of 42,000 vols.; Dir. Hamed Zeghal; publs. *Servir, Cahiers, Études et Documents, Manuels.*

Ecole Nationale de Médecine Vétérinaire: Medjez El Bab; 5-year postgraduate courses; 195 students.

Ecole des Postes et des Télécommunications: 12 rue de l'Angleterre, Tunis; f. 1967; 2- and 4-year postgraduate courses; 92 students.

Ecole de l'Aviation Civile et de la Météorologie: Tunis; f. 1957; 2- and 4-year postgraduate courses; 150 students.

Ecole Nationale de la Statistique: Tunis.

Institut d'Economie Quantitative Ali-Bach-Hamba: 2 rue Benghazi, Tunis; f. 1964; quantitative studies, methodological research in planning and documentation, social and economic fields; 18 staff; Dir. JOUHEB EDDINE HANZA.

Institut National Agronomique de Tunisie: 43 ave. Charles Nicolle, Tunis; f. 1898; postgraduate courses; library of 8,000 vols., 300 periodicals; Dir. K. BELKHODJA; Librarian MOHAMED BEN MOUSSA; publ. *Bulletin*†.

Institut National de Nutrition et de Technologie Alimentaire: 120 ave. de la Liberté, Tunis; f. 1969; 13 students.

Institut National de Service Social: Tunis; 144 students; 2-year diploma courses.

Institut Technologique d'Art, d'Architecture et d'Urbanisme de Tunis: Route de l'Armée Nationale, Tunis; f. 1973 from Ecole des Beaux Arts de Tunis; architecture and town planning, and fine arts section; 500 students; Dir. ABDELHAMID FEKIH.

TURKEY

Population 41,039,000

LEARNED SOCIETIES

British Council: Dr. Mediha Eldem Sokak 32, Yenişehir, Ankara Y-10; Rep. S. C. Alexander; and British Consulate-General, Pera House, Beyoğlu, Istanbul; Regional Dir. D. J. Evans; libraries: *see* Libraries.

Centro di Studi Italiani in Turchia: Adakale Sok. 68, Ankara; Dir. Prof. Bruno Arcurio; Istanbul Centre: Mesrutiyet Caddesi 161, Tepebaşı, Istanbul; Dir. Prof. Giovanni Battaglia.

Çocuk Sağlığı Enstitüsü (*Institute of Child Health*): Hacettepe University, Ankara; f. 1958; library incorporated in main University Library; Dir. Dr. İ. Doğramacı; publs. *Turkish Journal of Paediatrics*† (quarterly), *Çocuk Sağlığı ve Hastalıkları Dergisi*† (quarterly).

Coğrafya Enstitüsü (*Geographical Institute*): Müsküle sok. Vefa, Istanbul; f. 1933; 22 mems.; library of 10,661 vols.; Dir. Prof. Dr. Ajun Kurter; publs. *Coğrafya Enstitüsü Dergisi, Review*† (once or twice a year).

Hollanda Tarih ve Arkeoloji Enstitüsü (*Netherlands Historical and Archaeological Institute*): Istiklâl Cad. 393, Beyoğlu, Istanbul; f. 1958; library of 12,500 vols.; Pres. J. G. Beelaerts; Dir. J. J. Roosenberg; Sec. T. Smit-Öktem; publs. *Publications, Anatolica.*

Institut Français d'Etudes Anatoliennes d'Istanbul: Palais de France, Istanbul-Beyoğlu, Istanbul; f. 1930; library of *c.* 6,000 vols.; 3 mems.; Dir. Henri Metzger; publ. *Bibliothèque de l'Institut Français d'Etudes Anatoliennes d'Istanbul.*

Österreichisches Generalkonsulat Kulturinstitut Istanbul: Istanbul-Tesvikiye, Belvedere Apt. 101/2, P.K. 6; Dir. Prof. Dr. J. E. Kasper.

P.E.N. Yazarlar Derneği (*P.E.N.—Turkish Centre*): Cağaloğlu Yokuşu 40, Istanbul; f. 1951; 70 mems.; Pres. Yaşar Nabi Nayır.

Türk Biyoloji Derneği (*Turkish Biological Society*): P.K. 144, Sirkeci-Istanbul; f. 1949; 240 mems.; Pres. Prof. Dr. H. Demiriz; to promote biological research and to organize lectures, congresses and training courses on biology and nature study; publ. *Turk Biyoloji Dergisi* (*Acta Biologica Turcica*) (three issues a year).

Türk Cerrahi Cemiyeti (*Turkish Surgical Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1931.

Türk Dil Kurumu (*Turkish Linguistic Society*): 217 Atatürk Bulevar, Ankara; f. 1932; 531 mems.; library of 21,000 vols.; Pres. Prof. Şerafettin Turan; Sec.-Gen. Cahit Külebi; publs.. *Türk Dili* (monthly), *Türk Dili Araştirmalari Yilliği-Belleten* (annually).

Türk Eczacıları Birliği (*Turkish Pharmaceutical Association*): 26 Ortaklar Han, Cağaloğlu, Istanbul; publ. *Türk Eczacıları Birligi Mecmuası* (bi-monthly).

Türk Halk Bilgisi Derneği (*Turkish Folklore Society*): Çemberlitaş, Atik Ali Paşa Medresi 43, Istanbul, f. 1946; Pres. S. Y. Ataman; Sec. Ihsan Hinçer.

Türk Hukuk Kurumu (*Turkish Law Association*): Yenişehir, Adakale Sokak, No. 28, Ankara; f. 1934; publs. *La Turquie* (Vie Juridique des Peuples, Paris), *Türk Hukuk Lûgati* (Turkish Law Dictionary).

Türk Mikrobiyoloji Cemiyeti (*Turkish Microbiological Society*): P.K. 57, Beyazit, Istanbul; f. 1931; Pres. Dr. Kazım Araman; Sec. Gen. Prof. Dr. Özdem Anğ; publ. *Türk Mikrobiyoloji Cemiyeti Dergisi*† (Journal of Turkish Microbiological Society) (quarterly).

Türk Nöro-Psikiyatri Cemiyeti (*Turkish Neuro-Psychiatric Society*): Psikiyatri Kliniği, Çapa/Istanbul; f. 1914; 620 mems.; monthly meetings to discuss aspects of neuro-psychiatry; National Congress every year; Hon. Pres. Prof. Dr. İhsan Sükrü Aksel; Pres. Prof. Burhanettin Noyan; Sec.-Gen. Dr. Kurban Özuğurlu; publ. *Nöro-Psikiyatri Arşivi* (Archives of Neuro-Psychiatry) (quarterly).

Türk Ortopedi ve Travmatoloji Derneği (*Turkish Orthopaedic and Traumatology Society*): Çapa/Istanbul; f. 1939; 280 mems.; library of 2,000 vols.; Pres. Prof. Dr. M. A. Göksan; Sec.-Gen. Dr. M. J. Kokino; publ. *Acta Orthopaedica et Traumatologica Turcica*† (quarterly).

Türk Oto-Rino-Larengoloji Cemiyeti (*Turkish Oto-Rhino-Laryngological Society*): c/o Capa Kulak Bogaz, Burun Kliniği, Istanbul.

Türk Sırfi ve Tatbiki Matematik Derneği (*Turkish Society of Pure and Applied Mathematics*): Dedeefendi Caddesi 8, Şehzadebaşı, Istanbul; f. 1948; development of mathematics among young people; 100 mems.; Pres. Prof. Cahit Arf.

Türk Tarih Kurumu (*Turkish Historical Society*): Ankara: f. 1931; 41 mems.; library of 120,000 vols.; Pres. Ord. Prof. Enver Ziya Karal; Gen. Dir. Uluğ Iğdemir; Librarian Mihin Eren; publs. *Belleten* (quarterly), *Belgeler* (twice a year).

Türk Tibbi Elektro Radyografi Cemiyeti (*Turkish Electro-Radiographical Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1924.

Türk Tıb Cemiyeti (*Turkish Medical Society*): Tabib Odasi, Cağaloğlu, Kizilay Cad. 6, St. 1, Istanbul; f. 1856; 312 mems.; Pres. Dr. Kazim İsmail Gürkan; Sec. Dr. Asil Mukbil Atakam; publs. *Turk Tıp Cemiyeti Mecmuası*, *Anadolu Klinigi* (Turkish Medical Journal).

Türk Tıp Tarihi Kurumu (*Turkish Medical History Society*): Tıp Tarihi Enstitüsü, Istanbul University, Istanbul; f. 1938; 48 mems.; library of 70,000 vols.; Dirs. Prof. Bedi N. Şehsuvaroğlu, m.d., Prof. Feridun Frik, m.d.

Türk Tüberkloz Cemiyeti (*Turkish Tuberculosis Society*): Selime Hatun, Sağlik Sokak, Taksim, Istanbul; f. 1937

Türk Üniversite Rektörleri Konferansı (*Turkish Conference of University Rectors*): Atatürk Bulv. 223, Kavaklidere/Ankara; f. 1973 to bring together rectors and administrators for discussion of matters related to higher education; 44 mems. (rectors, vice-rectors and secretaries-general of the Turkish universities); Pres. Prof. Dr. İhsan Doğramacı; Sec.-Gen. Dr. İlhan Kum.

Türk Uroloji Dernegi (*Turkish Urological Society*): c/o Dr. Cafer Yildiran, Urological Clinic, Haseki Hospital, Aksaray, Istanbul; f. 1933; 150 mems.; Pres. Dr. Cafer Yildiran; Gen. Sec. Dr. Sedat Tellaloğlu; publs. *Türk Uroloji Dergisi*† (Turkish Journal of Urology, quarterly).

Türk Veteriner Hekimleri Dernegi (*Turkish Veterinary Medicine Association*): Saglik Sokak 21-3, Yenisehir, Ankara; f. 1930.

Türkiye Akıl Sağliği Dernegi (*Turkish Society of Mental Hygiene*): Psikiyatri Klıniği, Çapa-Istanbul; f. 1930; 186 mems.; mem. of many international and world federations; Pres. Prof. Dr. İhsan Şükrü Aksel; Sec.-Gen. Prof. Dr. Metin Özek.

Türkiye Jeoloji Kurumu (*Turkish Geological Society*): Posta Kutusu 464-Kizilay, Ankara; f. 1946; 1,410 mems.; library of 12,000 vols.; Pres. Tahir Öngür; publs. *Türkiye Kurum Bülteni*† (2 a year), *Yeryuvarive Insan* (quarterly), *Tuytek Búlteni* (every 2 months).

Türkiye Kimya Cemiyeti (*The Chemical Society of Turkey*): Harbiye, Halaskârgazi Caddesi No. 53, Uzay Apt. D.8, P.O.B. 829, Istanbul; f. 1919; 970 mems.; Pres. Prof. Dr. Ali Riza Berkem; Vice-Pres. Chem. Eng. Hadi Tamer; Sec. Chem. Eng. Ç. Turhan Özalp; Treas. Chem. Eng. Erdem Targul; publ. *Kimya ve Sanayi* (Chemistry and Industry).

Yeni Felsefe Cemiyeti (*The New Philosophical Society*): Işık Lisesi, Nişantaşı, Istanbul; f. 1943.

RESEARCH INSTITUTES

(*see* also under Universities)

Ankara Nükleer Araştirma ve Eğitim Merkezi (*Ankara Nuclear Research and Training Centre*): Beşevler, Ankara; f. 1967; attached to the Turkish Atomic Energy Commission; nuclear analysis and radioisotope applications for industry, applied and basic research in physics, chemistry, electronics and agriculture; 180 staff; library, including collection of 20,000 technical reports, 62 vols. of journals; Dir. Assoc. Prof. Dr. Namik K. Aras; publ. *Technical Journal*† (3 a year).

Araştirma Fen Heyeti Müdürlüğü (*Directorate of Materials and Research*): Yücetepe, Ankara; f. 1948; attached to the General Directorate of Turkish Highways; road materials testing and geotechnical investigations; 60 staff; library of 2,371 vols.; Dir. Dr. Hikmet Çavuşoğlu; publ. *Research Bulletin*†.

British Institute of Archaeology at Ankara: Büklüm Sokak 96/15, Kavaklidere, Ankara; f. 1947 with the object of furthering archaeological research by British and Commonwealth students or scholars in Turkey; London Office: c/o The British Academy, 6 Burlington Gardens, W1X 2JE; library of 15,000 vols.; Pres. Prof. Seton Lloyd, C.B.E., M.A., F.B.A., F.S.A., A.R.I.B.A.; Dir. D. H. French; publ. *Anatolian Studies*† (annually).

Çay Araştırma Enstitüsü (*Tea Research Institute*): Rize; f. 1958; attached to the Turkish Tea Board; 68 mems.; library of 950 vols.; Dir. Hizir Nurik.

Deprem Araştırma Enstitüsü (*Earthquake Research Institute*): Yüksel Caddesi No. 7/B, Yenişehir, Ankara; f. 1969; 35 staff; attached to the Ministry of Reconstruction and Resettlement; analysis of earthquake occurrence, preparation of earthquake zoning map based on data collected; seismological research and preparation of isoseismal maps; applied research on earthquake-resistant constructions and building materials; education and information of the public; Pres. Oktay Ergünay; publ. *Bulletin*† (quarterly).

Deutsches Archäologisches Institut: Siraselvi 123, Istanbul-Taksim; f. 1929; research into the pre-history and archaeology of Byzantium and Turkey; library of 30,000 vols.; Dir. Prof. Dr.-Ing. Wolfgang Müller-Wiener; publ. *Istanbuler Mitteilungen des D.A.I.* (annually), *Istanbuler Forschungen*.

Devlet Sulşleri Araştırma Dairesi (*Research Division, Turkish State Hydraulic Works*): Ankara; f. 1958; research and laboratory work on hydraulic engineering, soil mechanics, construction materials and concrete, chemistry, isotopes for hydrology; *in situ* research on water works; 355 staff; library; Dir. Dr. F. Şentürk; publs. *DSI Teknik Bülteni*†, *DSI Teknik Bülteni Özel Savı*† (original papers, some in foreign languages).

Gıda, Tarim ve Hayvancılık Bakanlığı Bölge Zirai Mücadele Araştırma Enstitüsü (*Ministry of Food, Agriculture and Animal Husbandry, Plant Protection Research Institute*): Kalaba, Ankara; f. 1934; responsible for licensing all agricultural chemicals to be used for plant protection; 12 depts. dealing with disease and pests attacking the various types of crops, plants and vegetables; 45 technical staff; library of 3,000 vols.; Dir. Ali Riza Levendoğlu; publ. *Bitki Koruma Bülteni* (Plant Protection Bulletin, English, French or German summary).

Kavak ve Hızlı Gelişen Orman Ağaçlari Araştırma Enstitüsü (*Poplar and Fast Growing Forest Trees Research Institute*): P.K. 44, İzmit; f. 1962; attached to the Ministry of Forestry; reafforestation, introduction of new forest tree species, increase of wood production; 50 staff; library of 3,000 vols.; Dir. M. Ali Semizoğlu; publ. *Annual Bulletin*†.

Maden Tetkik ve Arama Enstitüsü—M.T.A. (*Mineral Research and Exploration Institute*): İsmet İnönü Bulvarı, Ankara; f. 1935; conducts the Geological Survey of Turkey and evaluates mineral resources; library: *see* Libraries; Dir.-Gen. Dr. Sadrettin Alpan; publs. *Bulletin*, Monographs, annual reports and maps.

Marmara Scientific and Industrial Research Institute: P.O.B. 21, Gebze-Kocaeli and P.O.B. 141 Kadıköy-Istanbul; f. 1972; research on basic and applied sciences, and industrial research; staff of 450; library of 25,000 vols., 700 periodicals; Dir. Prof. Lütfullah Ulukan; publs. Research reports.

Milletlerarasi Şark Tetkikleri Cemiyeti (*International Society for Oriental Research*): Türkiyat Enstitüsü, Bayezit, Istanbul; f. 1947; Pres. Prof. Fuad Köprülü.

Türk Kültürünü Araştırma Enstitüsü (*Turkish Cultural Research Institute*): P.K. 14, Çankaya, Ankara; f. 1961; scholarly research into all aspects of Turkish culture; Dir. Dr. Ahmet Temir; publs. *Türk Kültürü* (monthly), *Cultura Turcica* (half-yearly), *Türk Kültürü Araştırmaları* (half-yearly).

Türkiye Bilimsel ve Teknik Araştırma Kurumu (*Scientific and Technical Research Council of Turkey*): Atatürk Boulevard 221, Kavaklidere/Ankara; f. 1963; 249 staff mems.; library of 10,000 vols., 760 periodicals; government body which promotes and co-ordinates research activities in pure and applied sciences; mems. of Scientific Board: Prof. Dr. Naci Bor, Prof. Dr. Halim Doğrusöz, Prof. Dr. Kâzim Ergin, Prof. Dr. Hakki Ögelman, Prof. Dr. İ. Akif Kansu, Prof. Lemi Ulugöl, Prof. Dr. Hasan Fehmi Yazici, Prof. Dr. Necmettin Zeybek, Dr. Kemal Varol, Prof. Dr. Emin Ulusoy, Prof. Dr. Sadik Kakaç; Sec.-Gen. Prof. Dr. Tevfik Karabağ; publs. science congress and conference proceedings, research projects reports, *Science and Technique* (monthly), *Doğa* (monthly), *Information Profiles* (irregularly), monthly current awareness service on pure and applied scientific articles†, *National and International Meetings on Science and Technology*† (quarterly), subject bibliographies.

Zirai Mücadele İlâç ve Aletleri Enstitüsü (*Plant Protection Chemicals and Equipment Institute*): P.K. 49, Yenimahalle/Ankara; f. 1957; attached to the Ministry of Agriculture; research and surveys on all matters concerning the use of pesticides; 35 staff; library of 930 vols., 43 periodicals; Dir. KEMÂL KUNTER.

LIBRARIES

Ankara University Library: the main library has 70,050 vols.; there are also separate faculty libraries, with a total of over 395,000 vols.; Dir. ZEKERİYA ERDAL.

Atif Efendi Library: Istanbul; f. 1741; 7,000 vols., 2,800 MSS.

Beyazit Devlet Kütüphanesi (*Beyazit Library*): Istanbul; f. 1882; legal deposit library; 450,000 vols. in various languages, 27,000 MSS., 31,000 photographs, 78,000 periodicals.

Boğaziçi University Library (formerly *Robert College Library*): Bebek, P.K. 2, Istanbul; f. 1863; 156,000 vols. in English and other languages, including a special collection of over 25,000 vols. on the Near East; Librarian MARY BEELEY (acting).

British Council Libraries: Dr. Mediha Eldem Sokak 32, Yenişehir, Ankara; f. 1942; 17,250 vols., 86 periodicals; Librarian Mrs. S. ASLANK; Istanbul: British Consulate-General, Pera House, Beyoglu; f. 1942; 16,233 vols., 56 periodicals; Librarian Miss I. SALTIKGIL.

Damat Ibrahim Paşa Library: Nevsehir; f. 1727; 5,500 vols., 600 MSS.

Gedik Ahmed Paşa Library: Afyon; f. 1785; 21,000 vols.

General Library of İzmir: Millî Kütüphane Caddesi, No. 39, İzmir; f. 1912; 68,317 vols. in Turkish, 17,807 vols. in European languages, 10,500 vols. in Oriental scripts, largely Turkish; over 1,500 MSS.; dir. by the Ministry of Education; Chief Officer KEMAL ÖZERTEM.

Halil Hamit Paşa Library: Isparta; f. 1783; 20,200 vols., over 850 MSS.; Dir. MAHMUT KAYICI.

Halil Nuri Bey Library: Bor; f. 1932; 12,000 vols., nearly 500 MSS. in Persian, Arabic and Turkish.

Halkevi Library: Ankara; f. 1935; 20,000 vols.

Hisar Salepçioglu Library: Izmir; f. 1775; 7,000 vols., over 900 MSS.

Hüsrev Paşa Library: Eyup; f. 1839; public library; 13,468 vols., over 300 MSS., 562 periodicals; Dir. ŞÜKRÜ YAMAN.

İl Halk Kütüphanesi (*Provincial Public Library* formerly the *Vatan Library*): Balıkeşir; f. 1901; 828 MSS. in Turkish, Arabic and Persian, 29,970 vols. in Turkish, Arabic and English, 2,101 in other languages, 1,276 periodicals; Dir. NECDET ELAL.

Istanbul University Central Library: Istanbul-Beyazit; f. 1925; the main university library contains 275,000 vols. and 18,600 MSS.; in addition, each faculty possesses its own specialized library; Dir. Mrs. LEMAN SENALP; publ. *Bibliography of the Publications of Istanbul University*.

Köprülü Library: Istanbul; f. 1677; 3,000 vols., 2,775 MSS., of which 193 are from early Ottoman presses, and 42 handwritten works over 1,000 years old.

Library of the Grand National Assembly: Grand National Assembly Palace, Ankara; f. 1920; 78,500 vols. in Turkish, 93,000 vols. in European languages, 1,000 vols. in Arabic and Persian, 500 MSS.; Dir. MELİH EGE; Librarian S. NAZMI COSKUNLAR.

Library of the Institute of Education: Ministry of Education, Ankara; f. 1926; 1,400 vols. in Turkish, 6,000 vols. in European languages.

Library of the Mineral Research and Exploration Institute: İsmet Inönü Bulvarı, Ankara; f. 1935; 95,000 vols. in various languages; Librarian SEVIM ÖZERTAN; publs. *Bulletin*, monographs, annual reports and maps (in Turkish and English).

Library of National Defence: Ankara; f. 1877; 8,678 vols. in Turkish, 5,820 vols. in other languages; State-governed.

Library of the Institute of Turkology: Istanbul University, Bayezıt; f. 1924; over 20,000 vols. relating to Turkish language, literature, history and culture.

Library of the Ecumenical Patriarchate: Istanbul; foundation dates from beginning of Patriarchate, reorganization 1890; 25,000 vols. in main library, and 1,500 MSS.; 45,000 vols. in branch library at Orthodox Seminary of Heybeliada; dir. by Rev. PANAĞHIOTIS THEODORIDIS, under the jurisdiction of the Holy Synod.

Mehmet Paşa Library: Darende; f. 1776. 4,000 vols., 800 MSS.

Middle East Technical University Library: Ankara; f. 1956; central library of the university; maintains custody of the university's recording, microfilm and projection equipment; 110,000 vols.; 1,700 periodicals received mainly in English; Dir. Miss FURUZAN OLŞEN; publ. *Abstracts of Graduate Theses*.

Millet Library: Fatih, Istanbul; f. 1916; 33,980 vols., 8,844 MSS.

Millî Kütüphane (*National Library*): Yenişehir, Ankara; f. 1946; 596,697 vols., 5,184 current periodicals, 110,080 vols. periodicals, 4,720 MSS. in Turkish, Arabic and Persian and 9,324 microfilms; provides facilities for artistic and scientific research; Gen. Dir. MÜJGÂN CUNBUR; publs.† *Türkiye Bibliyografyası* (Turkish National Bibliography), *Türkiye Makaleler Bibliyografyası* (Bibliography of articles in Turkish Periodicals), *T.C. Devlet Yayınları Bıbliyografyası* (Bibliography of Turkish State Publs.), numerous other bibliographies concerning famous persons, catalogues, etc.

Murat Molla Library: Istanbul; f. 1775; 4,000 vols., 5,000 MSS.

Nuruosmaniye Library: Istanbul; f. 1755; 6,000 vols., 5,000 MSS.

Public Library: Ankara; f. 1922; 21,000 vols. in Turkish, 10,200 vols. in European languages, over 1,200 MSS. in Arabic and Persian.

Public Library: Konya; f. 1947; 20,000 vols., over 6,000 MSS.

Ragib Paşa Library: Istanbul; f. 1762; 4,958 vols., 2,200 MSS.

Rasit Efendi Library: Kayseri; f. 1792; 6,000 vols., over 1,000 MSS.

Selimiye Library: Selimiye Kütüphanesi, Edirne; f. 1575; 33,071 vols. (including 3,117 MSS. and 3,894 vols. in Arabic); Librarian Mrs. ÖZLEM AĞIRGAN.

Süleymaniye Library: Istanbul; f. 1557; 98,160 vols. and about 70,000 MSS. in Turkish, Uyghur, Arabic and Persian; 122 different collections including those from Ayasofya and Fatih; Dir. MUAMMER ÜLKER.

Technical University Library: Istanbul Teknik Üniversitesi, Merkez Kütüphane Müdürlüğü, Gümüşsuyu Caddesi 87, Beyoğlu; f. 1795; the Central Library of the Technical University, containing 28,307 vols.; the faculty libraries contain 25,946 vols.; Librarian NACI YÜNGÜL.

Tekelioğlu Library: Antalya; f. 1924; 5,000 vols., nearly 2,000 MSS. in Persian, Arabic and Turkish.

Ulucami Library: Bursa; f. 1787; 8,000 vols., over 1,300 MSS.

Veliyuddin Library: Istanbul; f. 1761; 4,000 vols., 3,500 MSS.

Yegen Mehmet Paşa Library: Akseki; f. 1926; 6,000 vols.

There are 165 public libraries throughout Turkey.

MUSEUMS

Anadolu Medeniyetleri Müzesi (*Museum of Anatolian Civilizations*): Müdürü, Ankara; f. 1923; exhibits cover the Palaeolithic, Neolithic, Chalcolithic, Early Bronze Age, Hittite, Phrygian and Urartian periods. Hittite reliefs from Alaca, Carchemish, Sakçagözü and Aslantepe and Ankara regions. Collections represent excavations at Karain, Çatal Höyük, Hacılar, Can Hasan, Alacahöyük, Ahlatıbel, Karaz, Alişar, Karaoğlan, Karayavşan, Oymaağaç-Merzifon, Beycesultan, Kültepe, Acemhöyük, İnandik, Boğazköy, Eskiyapar, Patnos, Adilcevaz, Uşak-Ikiztepe, Pazarli, Gordion, Altıntepe, with special sections for cuneiform tablets and coins; library of 5,699 vols.; Dir. RACİ TEMİZER.

Ayasofya (Saint Sophia) Museum: Sultan Ahmet, Istanbul; f. 1934; the Museum is housed in the Byzantine Basilica; built by Justinian and dedicated in A.D. 537, it was a church until 1453, after which it became a mosque; in 1935 it was made a state museum; contains Byzantine and Turkish antiquities; Dir. M. HÂDİ ALTAY; publ. *The Annual of St. Sophia.* The Director of the Museum of St. Sophia is under the Department of Cultural Affairs, and is in charge of the following Byzantine monuments:

Kariye Church of St. Saviour in Khora.
Fethiye Church of the Virgin Pammakaristos.
Imrahor, Church of the St. John Stoudion.
Church of St. Irene.
Tekfursarayı, Palace of Constantine Porphyrogenitos.

Belediye Müzesi (*Municipal Museum*): Bayezit Square, Istanbul; Dir. O. DURUSOY.

Efes Müzesi Müdürlügü (*Ephesus Museum*): Selsuk-Izmir; f. 1939; contains works of art (mostly statues and reliefs) excavated from Ephesus; 2,550 vols.; publ. *Efes Müzesi Yılligı*† (annual).

Ethnographical Museum: Ankara; f. 1927; specimens of Turkish and Islamic art, archives and Islamic numismatics; library of 3,500 vols.; Dir. ENISE YENER.

Hatay Museum: Gündüz Cad. No. 1, Antakya, Hatay; f. 1934; collection of mosaics from Roman Antioch, also finds from Al-Mina, Atchana, Çatal Hüyük, Judeidah and Tainat excavations; Dir. VAHİT MESTÇIOĞLU.

Istanbul Arkeoloji Müzeleri (*Archaeological Museum of Istanbul*): Sultanahmet, Istanbul; f. 1846; first collection of antiquities started by Field-Marshal Fethi Ahmed Paşa in 1846; includes Archaeological, Mosaic and Ancient Orient museums, with Sumerian, Akkadian, Hittite, Assyrian, Egyptian, Urartu, Greek, Roman and Byzantine works of art and a library of 45,000 vols.; Dir. NECATİ DOLUNAY; Curators: EDIBE UZUNOĞLU (Ancient Orient), FATMA YILDIZ, VEYSEL DONBAZ (Cuneiform Tablets), TEOMAN CANİKLİOGLU (Islamic coins), NEKRIMAN OLCAY (non-Islamic coins); publ. *Annual of the Archaeological Museums of Istanbul*†.

Konya Museums: Konya; 1. Mevlâna: founded in Mevlâna Turbe—Seljuk, Ottoman and Turkish collections, clothing, carpets, coins, library; 2. Classical Museum: founded in new classical museum—collections of Neolithic, early Bronze Age, Hittite, Phrygian, Greek, Roman and Byzantine monuments; 3. Turkish Ceramics Museum: founded in Karatay Medresseh—contains ceramics of the 13th–18th century; 4. Seljuk Museum: founded in İnce Minare—contains stone and wooden works of the Seljuk period; 5. Sirçali Medresseh—Sarcophagus and inscription, collections of Seljuk and Ottoman period; 6. Atatürk Museum—collection of documents and objects connected with Atatürk, also Konya clothing and other ethnographic exhibits; Dir. of Museums VAHIT MESCIOĞLU.

Pergamon Museum: Bergama; houses the historical relics discovered as the result of excavations conducted at Pergamon; Dir. OSMAN BAYATLI.

Resim ve Heykel Müzesi (*Museum of Painting and Sculpture*): Beşiktaş, Istanbul; f. 1937.

Topkapı Palace Museum: Istanbul; palace built by Muhammad II; collections of Turkish armour, cloth, embroidery, tiles, glass and porcelain, copper- and silver-ware, treasure, paintings, miniatures, illuminated manuscripts, royal coaches, collections of Sèvres and Bohemian crystal and porcelain, clocks, important collection of Chinese and Japanese porcelain amassed by the Sultans, selection of Islamic relics (coat of the Prophet, etc.), Seals of the Sultans, collection of manuscripts, private collections of Kenan Ozbel, Halil Edhem Arda, and Sami Özgiritli, Ottoman tent; 18,000 MSS. in the library and 23,225 archive documents; Audience Hall, Council Hall of Viziers, Baghdad and Revan Köşks, Harem; Dir. KEMAL ÇIĞ.

Türk ve Islam Eserleri Müzesi (*Museum of Turkish and Islamic Art*): Süleymaniye, Istanbul; f. 1914; fine collection of Turkish and Islamic rugs, illuminated MSS., sculpture in stone and stucco, woodcarvings, metalwork and ceramics, all gathered from Turkish mosques and tombs; Dir. CAN KERAMETLİ.

Türkiye Askeri Müzesi (*Museum of the Janissaries*): Istanbul; f. 1726; military uniforms, weapons and trophies from the earliest times; Dir. Col. ŞEVKI ASLAN.

UNIVERSITIES

ANADOLU ÜNİVERSİTESİ
(Anatolian University)

ESKİŞEHİR

Founded 1973.

Number of teachers: 33.
Number of students: 203.

ANKARA ÜNİVERSİTESİ
(University of Ankara)

TANDOGAN MEYDANI,
ANKARA

Telephone: 23 32 45.

Founded 1946.

State control; Language of instruction: Turkish; Academic year: October to June.

Rector: Prof. Dr. Tahsin Özgüç.

Vice-Rector: Prof. Dr. Adnan Güriz.

General Secretary: N. Başoğlu.

Librarian: Mediha Karasu.

Number of teachers: *c.* 2,000.
Number of students: *c.* 23,000.

Publications: *Ankara Üniversitesi Yıllığı* (Annals of the University), and faculty and research institute publications.

DEANS:

Faculty of Letters: Prof. Dr. Oğuz Erol.

Faculty of Pharmacy: Prof. Dr. Gazanfer Bingöl.

Faculty of Education: Prof. Dr. Fatma Variş.

Faculty of Science: Prof. Dr. Aral Olcay.

Faculty of Law: Prof. Dr. Tuğrul Ansay.

Faculty of Divinity: Prof. Dr. Necati Öner.

Faculty of Political Science: Prof. Dr. Cevat Geray.

Faculty of Medicine: Prof. Dr. Hayati Ekmen.

Faculty of Veterinary Science: Prof. Dr. Sâti Baran.

Faculty of Agriculture: Prof. Dr. Turan Güneş.

Faculty of Medicine (in Antalya): Prof. Dr. Rüknettin Tanalp.

Faculty of Dentistry: Prof. Dr. Kâzim Aras.

PROFESSORS:

Faculty of Letters:

Acıpayamlı, O., Ethnology
Akurgal, E., Classical Archaeology and Contemporary Anatolian Archaeology
Akyüz, K., Modern Turkish Literature
Alp, Dr. S., Hittitology
Anbarcioğlu, Dr. M., Persian Language and Literature
Arık, Dr. O., History of Art
Aytaç, K., Pedagogy
Balkan, Dr. K., Sumerology
Başaran, F., Psychology
Baykal, Dr. B. S., Modern History
Bediz, Dr. D., Economic Geography
Bostanci, Dr. E., Palaeoanthropology
Çağatay, S., Turkish Language
Çağdas, K., Hindology
Dereli, H., English Language and Literature
Ersoy, O., Library Science
Fauq, H., Urdu and Pakistan Research
Gürsoy, Dr. C., Political Geography
Işık, K., Arabic Language and Literature
İzbırak, Dr. R., Physical Geography and Geology
Kaymaz, N., History of Turkish Republic and Revolution
Kaynak, İ., Russian Language and Literature
Kinal, F., Ancient History
Köymen, M. A., General Turkish History
Küyel, Dr. M., Philosophy
Mazıoğlu, H., Classical Turkish Literature
Norman, T., Prehistory
Öncel, S., Italian Language and Literature
Ozerdim, Dr. M., Sinology
Özgüç, Dr. T., Prehistory and Near-Eastern Archaeology
Sarıgöllü, S., Classical Greek
Şahinbaş, Dr. I., American Literature
Sayılı, Dr. A., Philosophy
Şener, S., Theatre
Sinanoğlu, Dr. S., Classical Greek
Sümer, F., History
Tuncel, Dr. B., French Language and Literature
Turan, S., Contemporary History
Yüksel, M., Physical Anthropology

Faculty of Pharmacy:

Altınkurt, Dr. O., Pharmacology
Ayral, N., Medicinal Science
Bingöl, G., Biochemistry
Capanoğlu, S., Hygiene and Health Science
Güley, Dr. M., Toxicology
İzgü, E., Pharmaceutical Technology
Noyanalpan, N., Pharmaceutical Chemistry
Olcay, A., Analytical Chemistry
Omurtag, Dr. C., Microbiology and Food Analysis
Tanker, Dr. M., Pharmacognosy

Faculty of Education:

Akyüz, K., Educational Fine Arts
Bursalıoğlu, Z., Planning and Administration of Education
Enç, A. M., Specialized Education
Geray, C., Adult Education
Günçe, G., Educational Psychology
Güriz, A., Educational Philosophy
İnan, A. N., Educational Law
Koçer, H. A., Social and Historical Background of Education
Variş, F., Curriculum and Instruction

Faculty of Science:

Arslan, Dr. N., Botany
Ayan, M., Mineralogy
Aybar, Dr. S., Physical Chemistry
Aykulu, G., Systematic Botany
Doğan, N., Astronomy
Erk, S., Geology
Gündüz, Dr. T., Analytical Chemistry
Hacısalihoğlu, H., Algebra and Geometry
Karabağ, Dr. T., Systematic Zoology
Karol, S., Zoology
Nasuhoğlu, R. Physics
Olcay, Dr. A., Industrial Chemistry
Süray, Dr. S., Applied Mathematics
Tüzün, Dr. C., General Chemistry
Uluçay, Dr. C., Theory of Functions
Yurtsever, Dr. B., Mathematical Analysis

Faculty of Law:

Akipek, Dr. İ., Public International Law
Ayiter, K., Roman Law
Bilge, Dr. N., Court Procedures
Bozer, Dr. A., Commercial Law
Düren, A., Administrative Law
Erginay, Dr. A., Finance
Esener, Dr. T., Labour Law
Fişek, H., Private International Law
Gürsoy, K., Civil Law
Kapani, M., Public Law
Keyman, S., Penal Law and Court Procedures
Özbudun, E., Constitutional Law
Topçuoğlu, Dr. H., Philosophy and Sociology of Law
Üçok, Dr. C., History of Turkish Law
Zarakoğlu, Dr. A., Economics

Faculty of Medicine:

Akçay, Dr. M., Physiology
Akata, O., General Surgery, History of Medicine and Deontology
Akkaynak, S., Chest Diseases and Tuberculosis
Aksoycan, Dr. N., Microbiology and Parasitology
Ari, Dr. N., Physiotherapy
Arinci, K., Anatomy
Avman, Dr. N., Neurosurgery
Baykan, N., Public Medicine
Berk, Dr. U., Radiology
Berkmen, S., Oto-Rhino-Laryngology
Çapanoğlu, S. Y., Hygiene, Preventive Medicine and Statistics
Demirağ, Dr. B., Paediatrics
Deniz, E., Medical Biology
Duraman, Dr. A., Orthopaedics
Erkoçak, A., Histology and Embryology
Günalp, Dr. İ., Urology
Güner, Z., Medicinal Physics
Gürün, Dr. S., Neurology
Kandemir, E., Obstetrics and Gynaecology
Kaymakçalan, Dr. S., Pharmacology
Koloğlu, M., Endocrinology and Metabolic Disorders
Oktay, S., Cardiology
Onul, Dr. B., Infectious Diseases
Örgen, C., Ophthalmology
Özkan, A. U., Pathology
Öztürel, Dr. A., Medicinal Jurisprudence
Paykoç, Dr. R., Anaesthesiology
Paykoç, Dr. Z., Gastroenterology
Rota, C., Biochemistry and Chemistry
Sökmen, Dr. C., Internal Diseases
Tat, Dr. L., Dermatology and Syphilis
Torunoğlu, M., Physiopathology
Urak, Dr. G., Cardiovascular-Pulmonary Surgery
Ünsal, Dr. G., Psychiatry

Faculty of Veterinary Science:

Akman, Dr. S., Pharmacology and Toxicology
Altan, Dr. Y., Internal Disease
Antepliоğlu, H., Surgery
Aritürk, Dr. E., Animal Technology
Aslanbey, D., Orthopaedics and Traumatology
Baran, Dr. S., Pathology
Başkaya, Dr. H., Bacteriology and Epidemiology

Büyükpamukçu, M., Pathological Anatomy
Dilmen, Dr. S., Animal Food and Nutrition
Erençİn, Z., Marine Products and Game
Erk, Dr. H., Obstetrics and Gynaecology
Erk, Dr. N., History of Veterinary Medicine
Ersoy, Dr. E., Biochemistry
Gülttekİn, M., Anatomy
Güralp, Dr. N., Parasitology and Helminthology
Gürtürk Dr., S., Virology
Hasa, Dr. O., Histology
Kendir, H. S., Statistics and Planning
Konut, T., Physiology
Sayin, F., Protozoology and Medicinal Arthropodology
Sevİng, A., Breeding
Tolgay, Dr. Z., Nutrition and Hygiene

Faculty of Agriculture:
Açil, Dr. F., Agricultural Economy and Farm Management
Akpinar, C., Poultry
Akyildiz, R., Nutrients and Animal Nutrition
Altinbaş, E., Fibre Technology and Handicrafts
Atay, D., Fisheries
Aydeniz, A., Radiophysiology and Soil Fertility
Ayfer, M., Fruit Growing
Bakir, O., Forage Crops and Pastures
Doğuş, Dr. R., Agricultural Machinery and Implements
Düzgüneş. Dr. O., Animal Technology
Düzgüneş, Z., Entomology
Eker, M., Animal Husbandry
Fidan, Y., Viticulture and Vegetable Crops
Göğüş, Dr. K., Nutrients and Nutrition
Hizalan, Dr. E., Soil Science
İlİsulu, K., Industrial Crops
İren, S., Phytopathology
Kacar, B., Plant Nutrition
Kadayifçilar, Dr. S., Agricultural Machinery
Köşker, Dr. O., Food Technology
Öztan, Y., Landscape Architecture
Pamİr, H., Fermentation Technology
Şahinkaya, R., Home Economics
Seçkİn, R., Food Science and Technology
Sönmez, N., Agricultural Engineering
Tosun, Dr. O., Plant Breeding
Yöney, Z., Dairy Technology

Faculty of Political Science:
Abadan-Unat, N., Political Behaviour
Akşin, S., Turkish Politics
Aydin, V., Business Economics and Accounting
Bulutry, Dr. T., Statistics and Econometrics
Dâver, Dr. B., Political Theories
Gölcüklü, Dr. F., Criminal Law
Gönlübol, Dr. M., Public International Law
Gözübüyük, Dr. Ş. P., Administration
Gürsoy. B., Finance
Köklü, A., General Economics
Meray, S. L., Public International Law
Mihçioğlu, Dr. C. A., Public Administration
Mİmaroğlu, Dr. S. K., Commercial Law
Ozankaya, Ö., Sociology
Reisoğlu, Dr. S., Civil Law
Sander, O., Political History
Savci, B., Constitutional Law
Serİn, N., International Economics and Development
Talas, Dr. C., Social Policy and Labour Law
Unat, Dr. I., Private International Law

Yalçin, A., History of Economics and Economic Thought
Yavuz, F., Urbanology

Faculty of Divinity:
Armaner, N., Religious Psychology
Atay, H., Theology
Çağatay, N., Islamic History and Law
Cerrahoğlu, I., Interpretation
Coşan, E., Turkish Islamic Literature
Cubukçu, Dr. İ. A., Islamic Philosophy
Figlali, E. R., History of Islamic Sects
Kamarağarali, H., History of Turkish Islamic Art
Kocyiğit, T., Maxims
Öner, N., Logic and Philosophy
Sunar, C., History of Theosophy
Tanyu, H., History of Religion
Taplamacioğlu, Dr. M., Sociology of Religion
Yurdaydin, H., History of Islamic Institutions

Faculty of Medicine in Antalya:
Arcasoy, A., Paediatrics
Arasil, E., Neurology and Neurosurgery
Arinci, K., Anatomy
Bacaci, K., Pathology
Ceylan, I., Surgery
Ege, R., Orthopaedics and Traumatology
Işin, E., Cardiovascular Pulmonary Surgery
Kafkas, M., Urology
Özsan, K., Microbiology and Parasitology
Şardaş, O. S., Internal Diseases
Torunoğlu, M., Physiopathology
Tunali, İ., Forensic Medicine
Yazgan, S., Histology and Embryology

Faculty of Dentistry:
Akça, S., Oral and Dental Surgery
Aras, K., Biochemistry
Baloş, K., Periodontics
Başaran, B., Therapy
Çuhadaroğlu, I., Prosthetics
Erem, T., Anatomy
Günay, N., Orthodontics
Küçüküçerler, B., Pedodontics
Tİmlioğlu, Ö., Pharmacology, Histology and Embryology
Yavuzyilmaz, H., Removable Prosthetics

ATATÜRK ÜNİVERSİTESİ

(Atatürk University)

ERZURUM

Telephone: 1209.

Founded 1957.

State control; Language of instruction: Turkish.

Rector: Prof. Dr. H. Ertuğrul.

Chief Administrative Officer: Orhan Suner.

Librarian: Mustafa Koca.

Library of 126,000 vols.

Number of teachers and assistants: 587.

Number of students: 7,985.

Publications: *Ziraat Fakültesi Dergisi, Tip Fakültesi Dergisi, Edebiyat Fakültesi Dergisi, Işletme Fakültesi Dergisi.*

Deans:

Faculty of Agriculture: Prof. Dr. Ali Iştar.

Faculty of Medicine: Prof. Dr. Yaşar Kuyucu.

Faculty of Science: Prof. Dr. Suavİ Yalvaç.

Faculty of Letters: Prof. Dr. Hüseyin Sesli.

Faculty of Business Administration: Prof. Dr. Orhan Türkooğan.

Faculty of Dentistry: Prof. Dr. Münip Yeğin.

Faculty of Theology: Prof. Dr. Ahmet Kurt.

Professors:

Faculty of Business Administration:
Sözer, Dr. N., Geography
Türkdoğan, Dr. O., Sociology
Yüce, Dr. T. T., Law

Faculty of Letters:
Bilgegil, Dr. K., Turkish Language and Literature
Olcay, Dr. S., Turkish Language and Literature
Sesli, Dr. H., German Language and Literature
Tarkan, Dr. T., Geography
Türek, Dr. A. İ., Arabian and Persian Literature

Faculty of Science:
Yalvaç, Dr. S., Zoology

Faculty of Agriculture:
Alkan, Dr. Z., Culture Technology
Apan, H., Gardening and Viniculture
Biyikoğlu, Dr. K., Animal Science
Çelebi, Dr. H., Soil Science
Ergene, Dr. A., Soil Science
Ertuğrul, Dr. H., Culture Technology
İpek, Dr. H., Animal Science
İştar, Dr. A., Gardening and Viniculture
Karataş, Dr. S., Animal Science
Kurt, Dr. A., Dairy
Oruç, Dr. N., Soil Science
Özhan, Dr. M., Animal Science
Tosun, Dr. F., Field Crops
Uçarci, Dr. F., Animal Science
Ülkümen, Dr. L., Gardening and Viniculture

Faculty of Medicine:
Aksu, Dr. T. A., Biochemistry
Aykaç, Dr. İ., Histology-Embryology
Başar, Dr. Z., Dentistry
Bayraktar, Dr. Y., Urinary Diseases
Kalayci, Dr. Ş., Histology-Embryology
Kürkçüoğlu, Dr. M., Paediatrics
Kuyucu, Dr. Y., Anatomy
Öğütman, Dr. R., Microbiology
Tanyeri, Kâmil, Paediatrics
Ural, Dr. İ. T., Oto-Rhino-Laryngology
Yeğin, Dr. M., Biochemistry

Attached Institutes:

College of Basic Sciences and Foreign Languages: Dir. Prof. Dr. Tevfik Tarkan.

Kürk Hayvanları Enstitüsü (*Institute of Fur-Animals and Handicraft*).

School of Nursing: Dir. Prof. Dr. Ibrahim Aykaç.

BOĞAZİÇİ ÜNİVERSİTESİ

(University of the Bosphorus)

P.K. 2, BEBEK, ISTANBUL

Telephone: 65 34 00.

Founded 1971; formerly the American Colleges in Istanbul.

State control; Languages of instruction: Turkish and English; Academic year: October to June.

Rector: Aptullah Kuran.

Secretary-General: O. Orel.
Librarian: Mary Beeley.

Number of teachers: 370.
Number of students: 3,062.

Publication: *Boğaziçi University Journal.*

Deans:

School of Engineering: Vedat Yerlici.
School of Arts and Sciences: Erdal İnönü.
School of Administrative Sciences: Şerif Mardin.
Junior College: Yüksel İnel.

BURSA ÜNİVERSİTESİ

ÜNLÜ CADDE, SETBAŞI,
BURSA

Telephone: 26870.

Founded 1975; in process of formation.

Rector: Ö. Fethi Tezok.
Secretary-General: Aydin Gürsoy.
Librarian: Yaşar Akman.

Library of 9,500 vols.

Number of teachers: 107.
Number of students: 1,245.

Faculties of economics and social sciences, medicine, mechanical engineering.

ÇUKUROVA ÜNİVERSİTESİ

ADANA

Telephone: 10230, 10231.

Founded 1973.

State control; Language of instruction: Turkish.

Rector: Prof. Dr. Lutfullah Aksungur.
Vice-Rectors: Prof. Dr. Fikret Ünsal, Prof. Dr. Nurettin Kaşka.
Secretary-General: A. Adnan Tibet.

Number of teachers: 281.

Number of students: 948.

Deans:

Faculty of Agriculture: Prof. Dr. Osman Tekinel.
Faculty of Medicine: Prof. Dr. Faruk L. Özer.

Professors:

Faculty of Agriculture:
Gökçe, Kemal, Food Science and Technology
Kaşka, Nurettin, Horticulture
Özbel, Hüseyin, Soil Science
Özsan, Mithat, Horticulture
Pekel, Erdoğan, Animal Science
Tekinel, Osman, Agriculture, Irrigation and Engineering
Tezer, E., Agriculture Mechanization
Yilmaz, Mushin, Horticulture, Landscape Architecture

Faculty of Medicine:
Akoğuz, Hale, Anaesthesiology
Aksungur, Lütfullah, Dermatology
Aktan, Fethi, Modern Biology
Bilgin, İlter, Gastro-Enterology
Birand, Ahmet, Cardiology
Demirtaş, Süha, General Surgery
Doksat, Recep, Psychiatry
Kabuli, Gyasettin, Thoracic Surgery
Karadayi, Aşkin, Neurosurgery
Özer, Faruk L., General Internal Medicine
Slem, Gühlan, Ophthalmology
Türkyilmaz, Ruhi, Urology
Ünsal, Fikret, Neurology
Yüksel, Arif Hikmet, Pathology

CUMHURIYET ÜNİVERSİTESİ

(Cumhuriyet University)

SİVAS

Telephone: 22-12.

Founded 1973.

State control; Language of instruction: Turkish.

Rector: Prof. Dr. Muvaffak Akman.
Registrar: Kenan Baştuji.
Librarian: Sevin İlgün.

Number of teachers: 54.
Number of students: 109.

Deans:

Faculty of Medicine: Prof. Dr. Doğan Remzi.
Faculty of Sciences and Social Sciences: Prof. Dr. Mihri Mimioğlu.

DİYARBAKIR ÜNİVERSİTESİ

(Diyarbakır University)

DİYARBAKIR

Telephone: 3586/7, 3863.

Founded 1966 as branch of Ankara University, independent 1973.

State control; Academic year: October to June.

Rector: Prof. Dr. Hasib Kurtpinar.
General Secretary: Erol Cengiz.
Librarian: Zahit Kizgin.

Number of teachers: 309.
Number of students: 1,327.

Publications: *University Annual*†, *Medical Faculty Journal*†, *Faculty of Science Annual*† (quarterly).

Deans:

Faculty of Medicine: Prof. Dr. Asim Duman.
Faculty of Science: Prof. Dr. Hüseyin Şahinkaya.
Faculty of Dentistry: Prof. Dr. Yilmaz Tiğin.
Faculty of Agriculture: Prof. Dr. Hüseyin Apan.

Professors:

Faculty of Medicine:
Aykaç, İ., Histology
Balci, K., Chest Diseases
Bilgim, F., Biology
Bingöl, R., Microbiology
Cicioğlu, R., Biophysics
Çapanoğlu, R., Hygiene
Dinçer, S., Gynaecology
İlçayto, R., Pathology
Kurtpinar, H., Microbiology and Parasitology
Özdemir, C., Neurology
Sayli, S., Genetics
Taşpinar, A., Dermatology
Torunoğlu, M., Physio-pathology

Faculty of Science:
Domaniç, F., Physics
Erk, Ç., Organic Chemistry
Gündüz, T., Analytical Chemistry
Karabağ, T., Systematic Zoology
Karol, S., General Zoology
Kurtpinar, H., Helminthology
Şahinkaya, H., Systematic Botany
Tüzün, C., General Chemistry
Yurtsever, B., Mathematical Analysis

Faculty of Dentistry:
Başaran, B., Therapy
Yavuzyilmaz, H., Prosthesis

Attached Institutes:

Institute of Medical History: Dir. Dr. Şerif Kürkçüoğlu.

College of Health: Dir. Doc. Dr. N. Çobanoğlu.

EGE ÜNİVERSİTESİ

(Aegean University)

BORNOVA, İZMİR

Telephone: 180110.

Founded 1955.

State control; Language of instruction: Turkish; Academic year: October to June.

Rector: Prof. Dr. Hakki Bilgehan.
Vice-Rectors: Prof. Dr. Metin Şengonca, Prof. Dr. Cengiz Pinar.
General Secretary: N. Åşikhan.
Registrar: Abdürrahim Incekara.
Librarian: Maide Unlu.

Number of teachers and assistants: 1,369.

Number of students: 20,000.

Publications: *Tıp Fakültesi Mecmuası, Ziraat Fakültesi Dergisi, Fen Dergisi, Iktisadi ve Ticari Bilimler Fakültesi Dergisi, Aegean Medical Journal*, and faculty publications.

Deans:

Faculty of Medicine: Prof. Dr. Baha Taneli.
Faculty of Medicine (at Izmir): Prof. Dr. Hamit Ozgönul.
Faculty of Dentistry: Prof. Dr. Oğuz Manas.
Faculty of Pharmacy: Prof. Dr. Necmettin Zeybek.
Faculty of Agriculture: Prof. Dr. Mustafa Harmancioğlu.
Faculty of Food Science: Prof. Dr. Erdal Saygin.
Faculty of Science: Prof. Dr. Abdullah Kizilirmak.
Faculty of Building Science: Prof. Dr. Turhan Acatay.
Faculty of Mechanics: Prof. Dr. Gazanfer Harzadin.
Faculty of Textile Sciences: Prof. Dr. İbrahim Aksöz.
Faculty of Chemistry: Prof. Dr. Burhan Pekin.
Faculty of Earth Science: Prof. Dr. Erol İzdar.
Faculty of Economics: Prof. Dr. Fikret Sönmez.
Faculty of Business Administration: Prof. Dr. Özcan Özal.
Faculty of Law: Prof. Muhittin Alam.

Faculty of Fine Arts: Prof. RAUF BEYRU.
Faculty of Social Sciences: Prof. Dr. ŞEFIK UYSAL.

ATTACHED INSTITUTES:

Nuclear Research and Education Institute: Dir. Prof. MEHMET ALI ÖZCEL.

Genetics Institute: Dir. Prof. İBRAHIM DEMİR.

Medical and Agricultural Drugs Research Institute: Dir. Prof. Dr. İBRAHIM KARACA.

Labour Relations Institute: Dir. Prof. İLITER AKAT.

International Economic Relations: Dir. Prof. Dr. KUTLU YAŞAR ZORAL.

(*See* also under Colleges.)

FIRAT ÜNİVERSİTESİ
(Euphrates University)
ELAZIG

Founded 1975; in process of formation.

Number of teachers: 60.
Number of students: 580.

Faculties of arts, sciences and veterinary medicine.

HACETTEPE ÜNİVERSİTESİ
ANKARA
Telephone: 24 22 40.

Founded 1206 in Kayseri; Chartered 1967.

State control; Language of instruction: Turkish; Academic year: September to June.

Hon. Rector: Dr. İHSAN DOĞRAMACI.
Rector: Dr. DOĞAN KARAN.
Vice-Rectors: Dr. SÜLEYMAN SAĞLAM, GÜROL ATAMAN.
Secretary-General: EMEL ŞIMŞEK.
Registrar: MÜCELLA MERDOL.
Librarians: YILDIZ ÇAKIN (Haceteppe Campus); AYŞEN ATLIOĞLU (Beytepe Campus).

The libraries contain 65,000 vols. (Hacettepe Campus), 80,000 vols. (Beytepe Campus).

Number of teachers: 1,758.
Number of students: 13,629.

Publications: *Hacettepe Tip/Cerrahi Bülteni*† (quarterly), and annual faculty bulletins.

DEANS:

Faculty of Graduate Studies: DINCER ÜLKÜ.
Faculty of Medicine: AKGÜN HIÇSONMEZ.
Faculty of Sciences: NIHAT ŞIŞLİ.
Faculty of Engineering: GÜROL ATAMAN.
Faculty of Chemistry: TÜRKAN BALKIŞ.
Faculty of Social and Administrative Sciences: EMEL DOĞRAMACI.
Faculty of Dentistry: AYTEKİN BİLGE.
Faculty of Pharmacy: ENİS OSKAY.
Faculty of Health Sciences: DOĞAN TANER.
Gevher Nesibe Faculty of Medicine: SIDDIK KARATAY.
Eskişehir Faculty of Medicine: SERVET BİLİR.
Samsun Faculty of Medicine: TAHSİN TUNCALI.
Sivas Faculty of Medicine: DOĞAN REMZI.
Trabzon Faculty of Medicine: VURAL BERTAN.
University Medical Centre: DOĞAN KARAN.

PROFESSORS:

Faculties of Medicine:
AKKAYA, S., Dermatology
AKMAN, M., Microbiology
ALPAY, M., Obstetrics and Gynaecology
ALTAY, Ç., Paediatrics
ANDAÇ, O., Physiology
AYTAN, N., Internal Medicine (Cardiology
AYTEK, M., Ophthalmology
BARIŞ, İ., Internal Medicine
BEKDIK, Ç., Nuclear Medicine
BERKEL, A. I., Paediatrics
BERTAN, M., Community Medicine
BERTAN, V., Neurosurgery
BILGIN, N., Surgery
BILGINTURAN, A. N., Paediatrics
BOR, N., Experimental Surgery
BOZER, Y., Surgery
ÇAĞLAR, M., Paediatrics
ÇEVİK, N., Paediatrics
ÇILIV, G., Biochemistry
ÇORUH, M., Paediatrics
DEMİR, Ö., Anaesthesiology
DOĞRAMACI, İ., Paediatrics
DORA, F. T., Neurology
ERBENGI, A., Neurosurgery
ERBENGI, G., Nuclear Medicine
ERDOĞAN, M., Obstetrics and Gynaecology
ERTUĞRUL, A., Paediatrics
FIRAT, D., Internal Medicine
FIRAT, T., Ophthalmology
GÖĞÜŞ, T., Orthopaedics
GÖKSEL, H. H., Surgery
GÖKŞIN, E., Obstetrics and Gynaecology
GÜLMEZOĞLU, E., Microbiology
GÜNALP, A., Biology
GÜRÇAY, O., Neurosurgery
GÜRSU, K. G., Paediatric Surgery
HERSEK, E., Surgery
HIÇSÖNMEZ, A., Paediatric Surgery
HIÇSÖNMEZ, G., Paediatrics
KALABAY, O., Neurosurgery
KALAYOĞLU, M., Paediatrics
KARACADAĞ, S., Internal Medicine
KARAMEHMETOĞLU, A., Internal Medicine (Cardiology)
KARAMEHMETOĞLU, M., Anaesthesiology
KARAN, D., Psychiatry
KARATAY, S., Anatomy
KAYA, S., Ear, Nose and Throat Surgery
KAYAALP, O., Pharmacology
KENANOĞLU, A., Radiology
KERSE, İ., Histology and Embryology
KIŞNIŞÇI, H., Obstetrics and Gynaecology
KÖKSAL, M., Pathology
KÖKSAL, O., Community Medicine
KUTKAM, T., Pathology
MÜFTÜ, Y., Paediatrics
ÖNOL, B., Pathology
ORAL, N., Community Medicine
ORHON, A., Psychiatry
ÖRS, U., Histology and Embryology
ÖZEN, E., Pathology
ÖZKARAGÖZ, K., Paediatrics
ÖZKER, R., Physiotherapy and Rehabilitation
ÖZSOYLU, S., Paediatrics
ÖZTÜRK, M. O., Psychiatry
PEKİN, S., Obstetrics and Gynaecology
PIRNAR, T., Radiology
REMZİ, D., Urology
RENDA, Y., Paediatrics
SAATÇİ, Ü., Paediatrics
SAĞIROĞLU, N., Obstetrics and Gynaecology
SAĞLAM, S., Neurosurgery
SANAÇ, Y., Surgery
SANCAK, B., Anatomy
SARAÇLAR, M., Paediatrics
SARAÇLAR, Y., Paediatrics
SARIBAŞ, O., Neurosurgery
SAVAŞIR, Y., Psychiatry
SAY, B., Paediatrics
ŞENER, A. N., Radiology
SEZER, V., Paediatrics
TANER, D., Anatomy
TELATAR, E. F., Internal Medicine
TELATAR, H., Internal Medicine
TINAZTEPE, B., Pathology
TINAZTEPE, K., Paediatrics
TOKGÖZOĞLU, N., Orthopaedics
TUNCALI, M. T., Paediatrics
TUNÇBILEK, E., Paediatrics
TUNCER, M., Paediatrics
TÜZMEN, S. B., Ophthalmology
UĞURLU, S., Paediatrics
ÜSTAY, K., Obstetrics and Gynaecology
UYSAL, H., Histology and Embryology
YALAZ, K., Paediatrics
YÖRÜKOĞLU, A., Psychiatry
ZİLELİ, L., Psychiatry
ZİLELİ, T., Neurology

Faculty of Dentistry:
AYTAN, S.
BİLGE, A.
NORAS, Y.
TOKMAN, C.
USMEN, E.

Faculty of Engineering:
ATAMAN, G., Geology
BAYSAL, O., Earth Sciences
IŞIN, A., Physics
KÖKSOY, M., Geology
ÜLKÜ, D., Physics

Faculty of Health Sciences:
ARI, A. B., Microbiology
AYTAÇ, A., Surgery
BİLİR, S., Paediatrics
FIŞEK, N., Microbiology
GÖÇMEN, A., Paediatrics
KOCAÇITAK, D., Chest Diseases
PAYZA, N., Biochemistry

Faculty of Pharmacy:
OSKAY, E.

Faculty of Social and Administrative Sciences:
ARICI, H., Psychology
BAYMUR, F., Education
ÇAYCI, A., History
DOĞRAMACI, E., English Language and Literature
ELÇIN, S., Turkish Language and Literature
ERTÜRK, S., Education
GÜVENÇ, B., Social Anthropology
KURAN, E., History
NİRUN, N., Sociology
OKYAR, O. F., Economics
TEKİN, T., Turkish Language and Literature
TURGUT, M. F., Education

Faculty of Sciences:
IKEDA, G., Mathematics
KUTSAL, A., Statistics
MIMIOĞLU, M., Biology
NOVAN, A.
ŞIŞLİ, N., Biology

Faculty of Chemistry:
ALPAUT, O.
BALKIŞ, T.
ŞENVAR, C.

Kayseri Gevher Nesibe Faculty of Medicine:
SIPAHIOGLU, H., Internal Medicine
YEŞILKAYA, Y., Surgery

School of Health Technology:
BAYSAL, A.

INÖNÜ ÜNİVERSİTESİ

MALATYA

Founded 1975; in process of formation.

Number of teachers: *c.* 30.

Number of students: 100.

İSTANBUL ÜNİVERSİTESİ

(Istanbul University)

BEYAZIT, ISTANBUL

Telephone: 22 42 00.

Founded 15th century, reorganized 1933 and 1946. State university; Language of instruction: Turkish; Academic year: November to February, March to July.

Rector: Prof. Dr. H. ALP.
Vice-Rectors: Prof. Dr. ERGIN NOMER, Prof. Dr. EROL DÜREN.
Secretary-General: Mrs. NILÜFER KASAPOĞLU.
Librarian: Mrs. LEMAN ŞENALP.

Number of teachers and assistants: 804.

Number of students: *c.* 33,000.

DEANS:

Faculty of Letters: Prof. Dr. OKTAY AKŞIT.
Faculty of Science: Prof. Dr. LÜTFÜ BIRAN.
Faculty of Law: Prof. Dr. İLHAN AKIN.
Faculty of Economics: Prof. Dr. ESAT ÇAM.
Faculty of Forestry: Prof. Dr. BURHAN AYTUĞ.
Faculty of Medicine: Prof. Dr. GÜNGÖR ERTEM.
Faculty of Pharmacy: Prof. Dr. TURHAN BAYTOP.
Faculty of Dentistry: Prof. Dr. YILMAZ MANISALI.
Faculty of Medicine at Cerrahpaşa: Prof. Dr. CEMI DEMIROĞLU.
Faculty of Medicine at Edirne: Prof. Dr. SUAT VURAL.
Faculty of Chemistry: Prof. Dr. FIKRET BAYKUT.
Faculty of Business Administration: Prof. Dr. MUZAFFER BEŞE.
School of Foreign Languages: Prof. Dr. LÜFTI GÜÇER.

ATTACHED INSTITUTE:

Turkiyat Enstitüsü (*Institute of Turcology*): f. 1924; carries out research and publishes material on Turkish language, literature, history and culture; library of 20,000 vols.; Dir. Dr. M. CAVID BAYSUN.

İSTANBUL TEKNİK ÜNİVERSİTESİ

(Technical University of Istanbul)

TAKŞİM, TASKIŞLA, ISTANBUL

Telephone: 433100.
Founded 1773.

State control; Language of instruction: Turkish; Academic year: three terms.

Rector: Prof. NAHIT KUMBASAR.
Vice-Rectors: Prof. Dr. YAŞAR ATAN, Prof. Dr. ŞEFİK GÜLEÇ.
General Secretary: OSMAN ÇAKIR.
Librarian: Dr. YÜKSEL YOLDAŞ.

Number of teachers and assistants: 789.

Number of students: 8,053.

Publications: *Bulletin* (2 a year), *Magazine* (every 2 months), *News* (every 3 months), *Guide* (annual).

DEANS:

Faculty of Civil Engineering: Prof. TALAT MÜFTÜOĞLU.
Faculty of Mining Engineering: Prof. Dr. SENAİ SALTOĞLU.
Faculty of Electrical Engineering: (vacant).
Faculty of Architecture: Prof. HANDE SUHER.
Faculty of Mechanical Engineering: Prof. Dr. MUSTAFA GEDIKTAŞ.
Faculty of Chemical Engineering: Prof. Dr. NEVZAT ÖNAL.
Faculty of Engineering and Architecture: Prof. Dr. MUZAFFER ÖZKAYA.
Faculty of Basic Sciences: Prof. Dr. ASAF GÜNHAN.
Faculty of Shipbuilding Engineering: Prof. TEOMAN ÖZALP.
Faculty of Metallurgy: Prof. Dr. VELİ AYTEKİN.
Faculty of Management Engineering: Prof. Dr. REŞAT NALBANTOĞLU.
Faculty of Electrical Engineering (at Maçka): Prof. Dr. KEMAL SARİOĞLU.
Faculty of Civil Engineering (at Maçka): Prof. Dr. CEMIL ILGAZ.
Faculty of Mechanical Engineering (at Maçka): Prof. Dr. YASAR ÖZEMIR.
Faculty of Engineering and Architecture (at Maçka): Prof. ABDULLAH SARI.

ATTACHED INSTITUTES:

Institute of Computer Science: Dir. Prof. Dr. FİKRET KESKİNEL.
Institute of Nuclear Energy: Prof. NEJAT AYBERS.

KARADENİZ TEKNİK ÜNİVERSİTESİ

(Black Sea Technical University)

TRABZON

Founded 1963.

State control; Language of instruction: Turkish; Academic year: December to June.

Rector: Prof. NACI YÜNGUL (acting).
General Secretary: GAVSİ GÖZALAN.
Librarian: NURTEN ATALIK.

Number of teachers and assistants: *c.* 250.

Number of students: 2,810.

DEANS:

Faculty of Basic Sciences: Prof. Dr. S. RIZA ALPAR (Deputy).
Faculty of Civil Engineering and Architecture: Prof. NACI YÜNGÜL.
Faculty of Mechanical and Electrical Engineering: Prof. Dr. H. DUMAN.
Faculty of Earth Sciences: Prof. Dr. S. RIZA ALPAR.
Faculty of Forestry: Prof. Dr. F. GÜLÇUR.

ORTA DOĞU TEKNİK ÜNİVERSİTESİ

(The Middle East Technical University)

İSMET İNÖNÜ BULVARI,
ANKARA

Telephone: 23 71 20.

Founded 1956.

State control; Language of instruction: English; Academic year: October to July (two semesters).

President: Prof. Dr. NURI SARYAL.
General Secretary: AYDIN ONUR.
Librarian: F. OLŞEN.

The library contains 230,000 vols.

Number of teachers and assistants: 1,011.

Number of students: 10,112.

Publication: *METU Journal of Pure and Applied Sciences*†, *METU Studies in Development*†.

DEANS:

Faculty of Administrative Sciences: A. DICLE, PH.D.
Faculty of Architecture: Prof. C. ERDER.
Faculty of Engineering: B. YÜCEL, PH.D.
Faculty of Arts and Sciences: Prof. T. TERZİOĞLU, PH.D.

PROFESSORS:

Faculty of Administrative Sciences:
PAYASLIOĞLU, A., Political Science and Public Administration

Faculty of Architecture:
ERDER, C., Architecture

Faculty of Arts and Sciences:
ARF, C., Mathematics
BALKAS, T., Marine Science
BAYSAL, B., Chemistry
DOĞRUSÖZ, H., Operational Research and Statistics
ENÜSTÜN, V., Chemistry
EZER, D., Astrophysics
KURAT, Y. T., Humanities
TERZİOĞLU, T., Mathematics
YALCIN, C., Physics
YILDRIN, C., Humanities

Faculty of Engineering:
ANKARA, A., Metallurgical Engineering
ATAMAN, T., Mining Engineering
BIRAND, A., Civil Engineering
ÇAKALOZ, T., Chemical Engineering
ÇIRAY, C., Civil Engineering
DOĞAN, Z., Mining Engineering
DORUK, M., Metallurgical Engineering
ERSOY, U., Civil Engineering
ERTEN, H., Mining Engineering
GÖGÜS, Y., Mechanical Engineering
KAKAÇ, S., Mechanical Engineering
KARAHAN, E., Engineering Sciences
KICIMAN, M., Civil Engineering
OĞURTANI, T., Metallurgical Engineering
ORANÇ, H., Electrical Engineering

Ordemir, I., Civil Engineering
Parlar, M., Electrical Engineering
Saryal, N., Mechanical Engineering
Selamoğlu, S., Mechanical Engineering
Somer, T. G., Chemical Engineering
Tan, S., Electrical Engineering
Tokay, M., Geological Engineering
Türeli, A., Electrical Engineering
Yaşar, K., Civil Engineering

SELÇUK ÜNİVERSİTESİ

KONYA

Founded 1975; in process of formation.

Number of students: 425.

19 MAYIS UNIVERSITY
(19th May University)

LISE CADDESI 4, SAMSUN
Telephone: 7746.

Founded 1975.

Rector: Prof. Dr. Tahsin Tuncali.

Library of 3,000 vols.

Number of teachers: 46.

Number of students: 306.

Heads of Schools:

Medical School: Prof. Sevinç N. Oral.

School of Basic Sciences and Engineering: Prof. Cemil Şenvar.

COLLEGES AND INSTITUTES OF HIGHER EDUCATION

EGE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ FAKÜLTESİ MÜHENDİSLİK VE MİMARLIK YÜKSEK OKULU
(Aegean University Faculty and School of Engineering and Architecture)

BUCA CAMİ SOKAK 2, İZMİR

Founded 1963.

Day school (five-year course) and evening school (five-year course), offering a B.S. degree.

President: Dr. Ahmet Samsunlu.
Vice-President: Nihat Yalin.
Secretary-General: Mustafa Berak.

The library contains 4,000 vols.

Number of teaching staff: 175.

Heads of Departments:

Architecture: Prof. Dr. Doğan Tuna.
Mechanical Engineering: Dr. Erkan Dokumaci.
Civil Engineering: Assoc. Prof. Dr. İzak Kaya.
Chemical Engineering: Prof. Dr. Gürbüz Atagündüz.

ESKİŞEHİR İKTİSADİ VE TİCARİ İLİMLER AKADEMİSİ
(Eskişehir Academy of Economic and Commercial Sciences)

ESKİŞEHİR
Telephone: 17780.

Founded 1958.

President: Prof. Dr. Yilmaz Büyükerşen.
Vice-Presidents: Prof. Dr. Ferruh Çömlekçi, Doç. Dr. Kamil Mutluer, Doç. Dr. Semih Büker, Doç. Dr. Fazil Tekin, Doç. Dr. Birol Tenekecioğlu.

The library contains 36,136 vols.

Number of teachers: 68.

Number of students: 2,904.

Publications: *Eskişehir Iktisadi ve Ticari Ilimler Akademisi Dergisi* (Journal of Eskişehir Academy of Economic and Commercial Sciences) (2 a year).

Heads of Department:

Economics: Prof. Dr. Halil Dirimtekin.

Management: Prof. Dr. İlhan Cemalcilar.

Law: Prof. Dr. İhsan Erkul.

Public Finance: Prof. Dr. Yilmaz Büyükerşen.

Accounting: Prof. Dr. Ferruh Çömlekçi.

Statistics and Mathematics: Prof. Dr. Necla Çömlekçi.

Attached Schools and Institutes:

Eskişehir Eczacilik ve Kimya Mühendisliği Yüksek Okulu (*Eskisehir School of Pharmacy and Chemical Engineering*): f. 1968; 1,815 students; Dir. Doç. Dr. İhsan Sarikardaşoğlu.

Kütahya Yönetim Bilimleri Yüksek Okulu (*Kutahya School of Administrative Sciences*): f. 1974; 1,067 students; Dean Prof. Dr. Musa Şenel.

Afyon Maliye Muhasebe Yüksek Okulu (*Afyon School of Finance and Accounting*): f. 1974; 800 students; Dean Prof. Dr. Aykut Herekmen.

Yabancı Diller Enstitüsü (*Institute of Foreign Languages*): Dir. Fikret Işikyakar.

Avrupa Ekonomik Topluluğu Enstitüsü (*European Economic Community Institute*): Dir. Prof. Dr. Akar Öcal.

Pazarlama Enstitüsü (*Institute of Marketing*): Dir. Prof. Dr. Doğan Bayar.

Zirai İktisat Enstitüsü (*Institute of Agricultural Economics*): Dir. Prof. Dr. İhsan Erkul.

Çevre Eğitimi Enstitüsü (*Institute of Environmental Studies*): Dir. Prof. Dr. İnal Cem Aşkun.

Sinema ve Televizyon Yüksek Okulu (*School of Cinema and Television*): f. 1977; 25 students; Dean Prof. Dr. İnal Cem Aşkun.

Endüstri Mühendisliği Yüksek Okulu (*School of Industrial Engineering*): f. 1977; 40 students; Dean Prof. Dr. Doğan Bayar.

Türkiye Ekonomisini Araştirma Enstitüsü (*Institute of Research on Turkish Economy*): Dir. Prof. Dr. Halil Dirimtekin.

İSTANBUL İKTİSADİ VE TİCARİ İLİMLER AKADEMİSİ
(Istanbul Academy of Economics and Commercial Science)

SULTANAHMET, ISTANBUL

Founded 1883, reorganized to university level 1971.

President: Prof. Dr. Nihad S. Sayâr.
Vice-Presidents: Prof. Y. Adnan Suner, Prof. Dr. E. Zeytinoğlu.
Secretary-General: Altan Kitapçi.
Registrar: Yüksel Büyükkayra.
Librarian: Ayten Koran.

Number of teachers: 72.

Number of students: Academy 6,000, Colleges 14,625.

Publication: *Iktisadi ve Ticari Ilimler Dergisi* (occasional).

Constituent Colleges:

Siyasal Bilimler Yüksek Okulu (*School of Political Science*): Halaskargazi Caddesi 236, Sisli, Istanbul; 61 teachers, 155 students; Dir. Prof. Dr. Kivanç Ertop.

İşletmecilik Yüksek Okulu (*School of Business Administration*): Dir. Prof. Reşat Kaynar.

Maliye ve Muhasebe Yüksek Okulu (*School of Public Finance and Accounting*): Dir. Prof. Fikret Öcal.

İktisat ve Ticaret Yüksek Okulu (*School of Economics and Commerce*): Dir. Prof. Dr. Sadrettin Tosbi.

Gazetecilik Halkla İlişkiler Yüksek Okulu (*School of Journalism and Public Relations*): Dir. Prof. Dr. Kenan Erkural.

Diş Hekimliği Yüksek Okulu (*School of Dentistry*): Dir. Prof. Dr. Suat İsmail Gürkan.

Eczacılık Yüksek Okulu (*School of Pharmacy*): Dir. Prof. Dr. Fahir Sanel.

İSTANBUL DEVLET MÜHENDİSLİK VE MİMARLIK AKADEMİSİ
(Istanbul State Academy of Engineering and Architecture)

YILDIZ, ISTANBUL
Telephone: 610220.

Founded 1911.

President: Suha Toner.
Vice-Presidents: Orhan Şiper, Rifki Arslan, Şerafettin Oydaşik, Feridun Akgerman, Selva Ünal, Aysel Ugan, Yahya Karsligil.
Registrar: Mehmet Ali Sari.
Librarian: Hulya Albayrak.

Library of 45,000 vols.

Number of teachers: 327.

Number of students: 5,030.

Publication: *Periodical* (monthly).

Heads of Departments:

Civil Engineering: Hüseyin Celasun.
Mechanical Engineering: Selçuk Somer.
Electrical Engineering: Çelik Aktaş.
Architecture: Maruf Önal.

Geodesy: MACIT ERBUDAK.
Mathematical Engineering: AHMET KARADENIZ.

ATTACHED ENGINEERING COLLEGES:

Galatasaray Mühendislik Yüksek Okulu: Okmeydan, Istanbul; Pres. CELALETTIN ERKMAN.

Işik Mühendislik Yüksek Okulu: Ayazaga, Istanbul; Pres. CEVAT TARAY.

Kadiköy Mühendislik Yüksek Okulu: Kadiköy Acıbadem, Istanbul; Pres. FERIDUN ARISAN.

Vatan Mühendislik Yüksek Okulu: Vatan Caddesi, Istanbul; Pres. NECATI ERŞEN.

YÜKSEK İSLÂM ENSTITÜSÜ
(Higher Institute of the Islam Faith)

BAGLARBAŞI, ISTANBUL

Founded 1959.

The library contains 10,000 vols.

Dean: NURI ÜNLÜ.
Assistant Deans: M. ALI SARI, NEDIM URHAN, İSMAIL KARAÇAM, YUSUF KILIÇ.

The purpose of the institute is to provide four years of higher education, at the university level, to graduates of the İmam-Hatip schools, which give a seven-year course and were founded for the education of men of religion and preachers in mosques. Graduate theologians are employed as teachers in the İmam-Hatip schools and in other schools of secondary education level, as officials and müftüs, and preachers in the Department of Religion.

YÜKSEK İSLÂM ENSTITÜSÜ
(Higher Institute of the Islam Faith)

KONYA

Founded 1962; State control.

Director: VELI ERTAN.

Zonguldak Maden Teknik Okulu (*Technical School of Mining*): Zonguldak.

SCHOOLS OF ART AND MUSIC

İstanbul Devlet Güzel Sanatlar Akademisi (*Istanbul State Academy of Fine Arts*): Fındıklı, Istanbul; f. 1883; five-year courses leading to equivalent of a masters degree; faculties of Architecture, Painting, Sculpture, Decorative Arts; 160 teachers, 1,100 students; library of 20,000 vols.; Pres. Prof. SADUN ERSIN; Gen. Sec. YÜCEL GÜROCAK; publs. *Akademi Dergisi*, *Türk Sanat Tarihi Araştırmaları* (Research of Turkish Historical Art).

HEADS OF DEPARTMENTS:

Architecture: Prof. ASIM MUTLU.
Painting: Prof. NEŞET GÜNAL.
Sculpture: Prof. HÜSEYIN GEZER.
Decorative Arts: Prof. DOĞAN AKSEL.
Fine Arts Museum: SABRI BERKEL.
Turkish Art Historical Institute: Prof. KERİM SİLİVRİLİ (Director).
Film Institute: SAMİ ŞEKEROĞLU (Director).
Institute for Town Planning Research: Prof. MEHMET ALI HANDAN.
Institute for Industrial Design, Research and Communication.
Institute for Architectural Surveying and Restoration.

ATTACHED SCHOOLS:

Mimarlık Y. Okulu (*School of Architecture*): library of 5,000 vols.; 126 teachers; 1,302 students.

Uygulamalı Endüstri Sanatlar Y. Okulu (*School of Applied Industrial Arts*): library of 1,500 vols.; 92 teachers; 631 students.

Concervatoire municipal (*Istanbul Municipal Conservatoire*): Çemberlitaş, Istanbul; f. 1923; internal and extra-mural sections.

Director: HİKMET TONGUR.
Members of the Artistic Council: FERDİ STATZER (Piano), ORHAN BORAR (Violin), NECDET YILDIRIM (Trumpet), SELMA BERK (Voice), MUZAFFER TEMA (Flute).

The library contains 8,000 vols.
Number of teachers: 60.
Number of students: 821 external, 90 internal.

İzmir State Conservatoire: İzmir; f. 1951.

State Conservatoire: Ankara; f. 1936; music, including opera and ballet, and drama; 110 teachers, 325 students; Dir. MİTHAT FENMEN.

UGANDA

Population 11,549,000

LEARNED SOCIETIES

Association for Teacher Education in Africa: Makerere University, Kampala; f. 1970.

Inter-University Committee for East Africa: P.O.B. 7110, Kampala; Exec. Sec. E. K. Kigozi; publ. *Report* (annually).

Uganda Library Association: P.O.B. 5894, Kampala; f. 1972; 102 mems.; Chair. T. K. Lwanga, B.SC., A.L.A.; Sec. I. M. N. Kigongo-Bukenya, DIP.LIB.

Uganda Society: P.O.B. 4980, Kampala; f. 1933; premises in the Uganda Museum Education Building, Kira Rd., Kampala; membership open to persons of all races and institutions, to promote interest in literary, historic, scientific and general cultural matters, discovering and recording facts about the country, arranging lectures and establishing contacts; reference library and lending library 6,000 vols. and periodicals; publ. *The Uganda Journal.*

RESEARCH INSTITUTES

Animal Health Research Centre: P.O.B. 24, Entebbe; f. 1926; research and field work in animal diseases, husbandry and nutrition; herbarium; library of 13,200 vols.; Dir. Veterinary Research Services Dr. G. Corry; Librarian H. R. Kiboole; publs. *Research Index*† (irregular), *Research Bulletin*† (irregular), *Annual Report.*

Child Malnutrition Unit: Medical Research Council, Mulago Hospital, P.O.B. 7051, Kampala; Dir. Dr. R. G. Whitehead. (*See* also under Medical Research Council, U.K.)

Cotton Research Station (Namulonge): (*Cotton Research Corporation*): P.O.B. 7084, Kampala; pure and applied aspects of cotton culture and technology; library of 4,000 vols.

Geological Survey and Mines Department: P.O.B. 9, Entebbe; f. 1919; library of 22,900 vols.; Commissioner C. E. Tamale-Ssali, B.SC., D.I.C., A.I.M.M., F.G.S.

Government Chemist Department: P.O.B. 2174, Kampala; forensic chemical examination, bacteriological examination of foods and water, chemical analysis of water, food and drugs, identification and assay of drugs, general chemical analysis of soils and ores.

Kawanda Agricultural Research Station: P.O.B. 7065, Kampala; f. 1937; soil and agricultural research; soil and plant chemistry, plant breeding, plant pathology, crop agronomy, entomology, nematology, biometrics, weed science; herbarium, soil samples and collection of insects; open to visitors by invitation and appointment; library of *c.* 11,000 vols.; Chief Research Officer Dr. Z. M. Njiira; publ. *Annual Report of Investigations.*

Regional Institutes:

East African Community: c/o P.O.B. 30005, Nairobi, Kenya; f. 1967; Sec.-Gen. E. I. M. Mtei; Kenya, Uganda and Tanzania participate on an equal partnership basis.

The East African Community administers 11 research services including the following research services in Uganda (*see also* Kenya and Tanzania):

East African Freshwater Fisheries Research Organization: P.O.B. 343, Jinja, Uganda; f. 1948; hydrobiological and fisheries research; library of 500 vols.; Dir. M. J. Mann (acting); publ. *Annual Report.*

East African Trypanosomiasis Research Organization: P.O.B. 96, Tororo; f. 1949; tsetse and trypanosomiasis research and reclamation (human and animal); Dir. A. R. Njogu (acting); publ. *Annual Report.*

East African Tuberculosis Investigation Centre: Regional Headquarters, P.O.B. 16041, Kampala.

East African Virus Research Institute: P.O.B. 49, Entebbe; f. 1949; investigation into the properties, relationships and epidemiology of yellow fever and other anthropod-borne visuses; Dir. P. Tukei; publ. *Annual Report.*

Makerere Institute of Social Research: P.O.B. 16022, Kampala; f. 1950; conducts independent research into social, political and economic problems of East Africa; 8 full-time Fellows, 45 Associates, University staff in Departments of Economics, Political Science, Rural Economy and Extension, Sociology, Social Work and Social Administration; library of 7,500 vols., 550 current periodicals and extensive pamphlets, etc.; Chair. (vacant); Sec. for Research S. N. Wakabi-Kiguwa, M.A.; Sec. P. B. Mpinga; Librarian Mrs. D. Kigozi, B.A., A.L.A.; publs. *East African Studies* (irregularly), *East Africa Linguistic Studies* (occasional), working papers, USSC Conference papers (triennial), *Policy Abstracts and Research Newsletter*, library catalogues.

LIBRARIES

Cabinet Office Library: P.O.B. 5, Entebbe; f. 1920; for government officials and for research workers; 1,404 vols.; publ. *Catalogue.*

Cotton Research Corpn. Library: P.O.B. 7084, Kampala; specialized library for research students.

Makerere University Library Service: P.O.B. 16002, Kampala; f. 1940; comprises Main Library functioning as National Reference Library, with five sub-libraries for the faculties of medicine (functioning as National Library of Medicine), technology, education, social science research and farm management; main library of over 400,000 vols., over 240,000 periodicals, special collections of East Africa, Uganda legal deposit, and private archives; Librarian T. K. Lwanga, B.SC., A.L.A.; publs. incl. *East African Studies*†, *Mawazo*†, *Makerere Law Journal*†, *Makerere Political Review*†, etc.

Makerere University, Albert Cook Library: Makerere Medical School, P.O.B. 7072, Kampala; f. 1946; approx. 15,684 vols., 245 periodicals, covering all medical subjects, especially East African and tropical medicine; Librarian L. Ssennyonjo, B.A.; publs. *East African Medical Bibliography* (every 2 months), *Library Bulletin and Accessions List* (irregularly).

Public Libraries Board: Buganda Rd., P.O.B. 4262, Kampala; f. 1964 to establish, equip, manage and maintain libraries in Uganda; 20 branch libraries, book box and postal services are administered; library of 110,000 vols., 200 serial titles; Librarian P. BIRUNGI; publs *Quarterly Accessions*†, *Annual Report*†.

The Secretariat Library: The Secretariat, P.O.B. 5, Kampala; intended to be a comprehensive collection concerning Uganda, also has main works on East Africa, Africa and the British Commonwealth; available to students at the discretion of the Chief Secretary.

MUSEUMS

Entebbe Botanic Gardens: P.O.B. 40, Entebbe; f. 1898; native and exotic plants, training in horticulture, sales of horticultural produce; Curator J. J. ASEGA; publ. *Index Seminum*† (annual).

Forest Department Library and Herbarium: Forest Office, P.O.B. 31, Entebbe; f. 1904; 11,000 specimens; specialized library open to students by special arrangement with the Chief Conservator of Forests.

Forest Department Utilisation Division and Museum: P.O.B. 1752, Kampala; f. 1952; collection of Uganda timbers; entomology section; preservation, seasoning and woodworking tests; logging and milling research; small specialized library.

Game and Fisheries Museum, Zoo, Aquarium and Library: P.O.B. 4, Entebbe; collections of heads of game animals, reptiles, fish and butterflies, hunting and fishing implements and weapons; library of approx. 1,100 vols.; Chief Game Warden JOHN BUSHARA (acting); Chief Fisheries Officer ALOYSIUS BIRIBONWOHA (acting).

Geological Survey Museum and Library: P.O.B. 9, Entebbe; about 37,500 specimens of rocks and minerals; library of over 9,850 vols. and 3,850 periodicals.

Uganda Museum: P.O.B. 365, Kampala; f. 1908; ethnology, archaeology, palaeontology; science and industry pavilion; special collection of African musical instruments; centre for archaeological research in Uganda; library of 3,000 vols.; Curator A. WANZAMA.

Folk Museums: at Soroti and Kabale.

National Park Museums: at Mweya in Rwenzori National Park and at Paraa in Kabalega National Park.

UNIVERSITY AND COLLEGES

MAKERERE UNIVERSITY

P.O.B. 7062, KAMPALA

Telephone: 42471.

Founded as technical school 1922, became University College 1949, attained University Status 1970.

Language of instruction: English; Academic year: July to March (three terms).

Chancellor: H.E. President IDI AMIN DADA.

Vice-Chancellor: W. SENTEZA-KAJUBI, M.A.

Secretary: Prof. T. NSEREKO-GYAGENDA, M.A., PH.D., A.B.PS.S.

Academic Registrar: BERNARD ONYANGO, M.A.

Librarian: T. K. LWANGA, B.SC., A.L.A.

Number of teachers: *c.* 350.
Number of students: *c.* 3,900.

DEANS:

Faculty of Arts: Dr. A. BYARUHANGA-AKIIKI.
Faculty of Social Sciences: Prof. A. G. G. GINGYERA-PINYCWA.
Faculty of Agriculture and Forestry: Prof. JOHN MUGERWA.
Faculty of Science: Prof. A. LUTALO-BOSA.
Faculty of Education: Prof. E. H. RUKARE.
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Faculty of Law: Prof. A. KIAPI.
Faculty of Veterinary Science: Prof. C. B. KATONGOLE.
Faculty of Technology: Prof. S. E. KIGUNDU.

ATTACHED INSTITUTES AND SCHOOLS:

Centre for Continuing Education: f. 1953, reorganized into three divisions: Extra Mural Department, Correspondence Courses and Mass Media Division, Adult Studies Centre (one-year post-secondary school courses); shorter courses are also arranged both at the Centre and up-country; Dir. NUWA SENTONGO (acting).

East African School of Librarianship: f. 1963 to train librarians for all parts of East Africa; sponsored by Unesco; 2-year course leads to Diploma in Librarianship; also 1-year post-graduate course; Dir. S. H. A. ABIDI, M.A., M.LIB.SC.

Institute of Statistics and Applied Economics: a joint enterprise of the Government of Uganda and the United Nations Development Programme; 3-year degree courses; Dir. Dr. S. TULYA-MUHIKA, PH.D.

Makerere Institute of Social Research: *see* under Research Institutes.

Margaret Trowell School of Fine Art: diploma and degree courses at both undergraduate and graduate levels; Head G. KAKOOZA.

National Institute of Education: f. 1964; corporate body representing the Ministry of Education, Teacher Training Colleges of Uganda, Makerere University Faculty of Education; co-ordinates and encourages teacher training, promotes educational research, gives information and advice on new methods and materials, organizes in-service training and one-year advanced diploma courses for teachers; Dir. J. LWABI, M.A. (acting); Librarian Mrs. M. O. MUTIBWA, B.A.; publs. *Journal, Newsletter*.

UGANDA TECHNICAL COLLEGE

P.O.B. 7181, KAMPALA

Telephone: 65211.

Founded 1954; formerly Kampala Technical Institute.

Principal: N. B. BALYAMUJURA, M.A.S.E.E., M.I.E.E.E., A.M.U.I.M.

Vice-Principal: C. NTAMBI, H.N.D., A.I.B.C.C., F.I.E.T.U.

Registrar: J. B. KISUULE, LL.M.

Senior Librarian: R. NGANWA, A.L.A.

Number of teachers: 104.
Number of students: 1,000.

HEADS OF DEPARTMENTS:

Civil Engineering and Building: C. NTAMBI.
Electrical Engineering: J. W. B. EFATA, B.SC.
Mechanical Engineering: G. KOOSI, M.SC.
Science and Mathematics: E. M. K. NGALOMBI, B.SC.
Technical Teacher Training: G. IGABA.
English and Liberal Studies Section: N. W. KAJUBI, B.A.
Industrial Ceramics Section: L. MUTEBI.

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LENINSKY PROSPEKT 14, MOSCOW V-71

Founded 1725

The Academy is directly subordinate to the Council of Ministers of the U.S.S.R. Following the reorganization of the Academy in 1963, its position as the leading Soviet Academy of Sciences was strengthened, and it was also made the chief co-ordinating body for scientific research in the Soviet Union. The Academy directs the work of over 260 scientific institutions, including scientific councils, commissions, museums, research stations, laboratories, naval institutes and observatories. There are 11 scientific societies under the Academy's jurisdiction.

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II. Section of Chemistry and Biological Sciences with Departments: (1) General and Technological Chemistry, (2) Physical Chemistry and Technology of Inorganic Materials, (3) Biochemistry, Biophysics and Chemistry of Physiologically Active Compounds, (4) Physiology, (5) General Biology.

III. Section of Earth Sciences with Departments: (1) Geology, Geophysics and Geochemistry, (2) Oceanology, Atmospheric Physics and Geography.

IV. Section of Social Sciences with Departments: (1) History, (2) Philosophy and Law, (3) Economics, (4) Literature and Linguistics.

V. Siberian Department.

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National Committee of Soviet Physicists: Chair. (vacant).

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Academician-Secretary: Acad. N. N. BOGOLYUBOV.

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Institute of Applied Mathematics: Miuskaya pl. 4; Dir. (vacant).

Computing Centre: Ul. Vavilova 40; Dir. Acad. A. A. DORODNITSYN.

Commission on Computing Technology: Chair. Acad. A. A. DORODNITSYN.

Scientific Council on Applied Problems: Ul. Vavilova 44; Dir. Acad. V. M. GLUSHKOV.

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Department of General Physics and Astronomy: Leninsky prospekt 14, Moscow.
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Institute of Radio Engineering and Electronics (Order of the Red Banner of Labour): Prospekt K. Marxa 18; Dir. Acad. V. A. KOTELNIKOV.

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Institute of Theoretical Astronomy: Mendeleyevskaya Liniya 1, Leningrad; Dir. G. A. CHEBOTAREV.

Institute of Precision Mechanics and Computing Equipment: Leninsky prospekt 51; Dir. Acad. S. A. LEBEDEV.

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Crimean Astro-Physical Observatory: Crimea, P.O.B. Nauchny; Dir. A. B. SEVERNY.

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Department of Physiology: Leninsky prospekt 14, Moscow. *Academician-Secretary:* E. M. KREPS.

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Zoological Institute: Leningrad, Universitetskaya nab. 1; Dir. Acad. B. E. BYKHOVSKY.

A. N. Severtsov Institute of Evolutionary Morphology and Animal Ecology: Moscow, Ul. Vavilova 12; Dir. V. E. SOKOLOV.

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Paleontological Institute: Moscow, Ul. Vavilova 12; Acting Dir. N. N. KRAMARENKO.

Botanical Garden: Moscow, Botanicheskaya ul. 4; Dir. Acad. N. V. TSITSIN.

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Institute of Linguistic Studies: Moscow, Ul. Marxa i Engelsa 1/14; branch at Leningrad; Acting Dir. V. N. YARTSEVA.

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Siberian Section of Commission on International Relations: Chair. V. A. AVRORIN.

Scientific Council on the History of Siberia: Chair. Acad. A. P. OKLADNIKOV.

Commission on Oriental Studies: Chair. Acad. A. P. OKLADNIKOV.

BRANCHES OF THE SIBERIAN DEPARTMENT:

East Siberian Branch: Irkutsk 33; Chair. of the Presidium Acad. V. B. SOCHAVA.

Institutions of the Branch:

Institute of the Earth's Crust: Irkutsk, ul. Favorskogo 1; Dir. M. M. ODINTSOV.

Institute of Geochemistry: Irkutsk 33, Ul. Favorskogo 1; Dir. L. V. TAUSON.

Institute of Geography of Siberia and the Far East: Irkutsk, Kievskaya ul. 1; Dir. Acad. V. B. SOCHAVA.

Institute of Limnology: Irkutsk Region, Listvenichnoe; Dir. Prof. G. I. GALAZY.

Siberian Institute of Plant Physiology and Biochemistry: Irkutsk 33; formerly Eastern Siberian Institute of Biology; Dir. Prof. F. E. REIMERS.

Irkutsk Institute of Organic Chemistry: Irkutsk, ul. Favorskogo 1; Dir. M. G. VORONKOV.

Siberian Energy Institute: Irkutsk, ul. Lermontova 130; Dir. Acad. L. A. MELENTIEV.

Siberian Institute of Terrestrial Magnetism, the Ionosphere and Radio Wave Propagation: Irkutsk, ul. Lenina 5; Dir. V. E. STEPANOV (acting).

Khabarovsk Complex Research Institute: Khabarovsk, Ul. Kim Yu Chena 65; Dir. P. G. BUNICH.

Institute of Automation and Computers: Vladivostok, Ul. Sukhanova 5-a; Dir. A. A. VORONOV.

Institute of Chemistry: Vladivostok, ul. 100-Letiya Vladivostoka 159; Dir. Y. D. GAGARINSKY.

Institute of History, Archaeology, Ethnography of the Far Eastern Nations: Vladivostok, Leninskaya 50; Dir. A. I. KRUSHANOV.

Institute of Pacific Ocean Geography: Vladivostok, Leninskaya 50; Dir. A. P. KAPITSA.

Institute of Tectonic and Geophysics: Khabarovsk, Ul. Serysheva 22; Dir. Acad. Y. A. KOSYGIN.

Sakhalin Complex Institute: Sakhalin Region, Novo-Alexandrovsk; Dir. S. L. SOLOVYEV.

V. L. Komarov Far Eastern Branch: Ul. Leninskaya 50, Vladivostok; Chair. of the Presidium A. P. KAPITSA.

Institutions of the Branch:

Far Eastern Institute of Geology: Vladivostok; Dir. Prof. E. A. RADKEVICH.

Institute of Biologically Active Substances: Vladivostok; Dir. Prof. G. B. ELYAKOV.

Institute of Biology and Soil Science: Vladivostok; Dir. N. N. VORONTSOV.

Institute of Sea Biology: Dir. A. V. ZHIRMUNSKY.

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Institutions of the Branch:

Institute of Geology: Dir. K. B. MOKSHANTSEV.

Institute of Biology: Dir. I. P. SHCHERBAKOV.

Institute of Space Physics Research and Aeronomics: Dir. Y. G. SHAFER.

Institute of Linguistics, Literature and History: Dir. E. I. KORKINA.

Institute of Physical and Chemical Problems of the North: Yakutsk, Prospekt Lenina 35; Dir. N. S. IVANOV.

Department of Computers and Mathematics: Yakutsk, Ul. Jaroslavskogo 47; Dir. E. M. AMOSOV.

Department of Economics: Dir. I. P. AVDEYEV.

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Department of Economics.

Department of Economic Investigation: Ulan-Ude, Ul. Pavlova 2; Dir. I. M. ZANDANOV.

Department of Geology: Ulan-Ude, Ul. Pavlova 2; Dir. S. H. GURULEV.

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Department of Economic Studies: Dir. M. S. GUBAIDULLIN.

Department of Physics and Mathematics: Dir. V. S. AVZYANOV.

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Institute of History, Linguistics and Literature: Dir. Prof. G. A. DANIYALOV.

Institute of Physics: Dir. KH. I. AMIRKHANOV.

Department of Economics: Dir. N. V. DANIYALOVA.

Department of Biology: Ul. Gadzhieva 45.

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Institute of Forestry: Dir. V. I. ERMAKOV.

Institute of Biology: Dir. S. N. DROZDOV.

Institute of Linguistics, Literature and History: Dir. M. N. VLASOVA.

Department of Economic Studies: Dir. P. A. UKHANOV.

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Institutions of the Branch:

Institute of Geology: Dir. Prof. I. V. BELKOV.

Institute of Chemistry and Technology of Rare Elements and Minerals: Dir. O. S. IGNATYEV.

Polar Institute of Geophysics: Dir. S. I. ISAEV.

Mining and Metallurgical Institute: Dir. I. A. TURCHANINOV.

Polar Alpine Botanical Garden: Dir. T. A. KOZUPEYEVA.

Murmansk Marine Biological Institute: Acting Dir. Y. I. GALKIN.

Department of Economic Research: Dir. V. A. FEDOSEEV.

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Institute of Biology: Dir. I. V. ZABOYEVA.

Department of Economics: Dir. Prof. V. A. VITYAZEVA.

Department of Chemistry: Dir. V. D. DAVYDOV.

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Institute of Geology and Geochemistry: Dir. Prof. S. N. IVANOV.

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Institute of Electrochemistry: Dir. Prof. S. V. KARPACHEV.

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Institute of Mechanics and Mathematics: Sverdlovsk Region, Ul. Kovalevskoy 16; Dir. Acad. N. N. KRASOVSKY.

Institute of Economics: Sverdlovsk, Pervomaiskaya 91; Dir. M. A. SERGEYEV.

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Salekhard Station: Tyumen Region, Labytnangi Station of the Pechora Railway; Dir. N. S. GASHEV.

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Permanent Scientific Exhibition: Moscow: Dir. V. V. BAZYKIN.

International Centre for Scientific and Technical Information: Ul. Kuusinen 21B, 125252 Moscow; Dir. Prof. A. I. MIKHAYLOV.

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Scientific Council on Philosophy of Contemporary Natural History: Ul. Volkhonka 14, Moscow; Chair. Acad. P. N. FEDOSEYEV.

Scientific Council on Techniques in Production and Processing of Metals: Ul. Gorkogo 69, Kiev; Chair. Acad. B. E. PATON.

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Soviet National Committee of the Pacific Ocean Scientific Association: Ul. Vavilova 44, Moscow; Chair. Acad. B. G. GAFUROV.

Council on International Collaboration on Space (Intercosmos): Leninsky prospekt 14, Moscow; Chair. Acad. B. N. PETROV.

Council on Libraries: Leninsky prospekt 14, Moscow; Chair. Acad. P. N. FEDOSEYEV.

Publishing House "Nauka" (Science): Podsosensky per. 21, Moscow; Dir. G. D. KOMEOV.

All-Union Institute for Designing of Scientific Buildings: Maronovsky per. 26, Moscow; Dir. B. A. SAVELYEV.

Moscow House of Scientists: Ul. Kropotkina 16, Moscow; Dir. L. N. VINOGRADOVA.

Leningrad A. M. Gorky House of Scientists: Dvortsovaya nab. 26, Leningrad; Dir. O. M. NIKANDROV.

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Akusticheskii Zhurnal (*Acoustics Journal*): quarterly.

Astronomicheskii Zhurnal (*Astronomy Journal*): 6 times yearly.

Avtomatika i Telemekhanika (*Automation and Telemechanics*): monthly.

Azia i Afrika (*Asia and Africa*): monthly.

Biofizika (*Biophysics*).

Biokhimia (*Biochemistry*): 6 times yearly.

Botanicheskii Zhurnal (*Journal of Botany*).

Doklady Akademii Nauk S.S.S.R. (*Proceedings of the Academy*): three times a month.

Fiziko-Tekhnicheskie Problemy Razrabotki Poleznykh Iskopaemykh (*Physical and Technical Problems of Mineral Exploitation*).

Fiziologicheskii Zhurnal S.S.S.R. im. Sechenova (*Sechenov Physiological Journal*): monthly.

Geologiya i Geofizika (*Geology and Geophysics*).

Istoria S.S.S.R. (*U.S.S.R. History*): 6 times yearly.

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Kolloidny Zhurnal (*Colloids Journal*): 6 times yearly.

Matematicheskii Sbornik (*Mathematical Collection*).

Mikrobiologia (*Microbiology*): 6 times yearly.

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Teoreticheskie Osnovy Khimicheskoi Tekhnologii (*Theoretical Foundations of Chemical Technology*).

Vestnik Akademii Nauk S.S.S.R. (*Journal of the U.S.S.R. Academy of Sciences*): monthly.

Voprosy Ekonomiki (*Economic Questions*): monthly.

Voprosy Filosofii (*Questions of Philosophy*): 6 times yearly.

Voprosy Ikhtiologii (*Questions of Ichthyology*): 4 times yearly.

Voprosy Istorii (*Questions of History*): monthly.

Voprosy Literatury (*Problems of Literature*).

Voprosy Yazykoznania (*Questions of Linguistics*): 6 times yearly.

Yadernaya Fizika (*Nuclear Physics*).

Zemlya i Vselennaya (*Earth and Universe*).

Zhurnal Analiticheskoi Khimii (*Journal of Analytical Chemistry*): 6 times yearly.

Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (*Journal of Experimental and Theoretical Physics*): monthly.

Zhurnal Fizicheskoi Khimii (*Journal of Physical Chemistry*): monthly.

Zhurnal Nauchnoi i prikladnoi fotografii i kinematografii (*Journal of Scientific and Applied Photography and Cinematography*).

Zhurnal Neorganicheskoi Khimii (*Journal of Inorganic Chemistry*).

Zhurnal Obshchei Biologii (*Journal of General Biology*): 6 times yearly.

Zhurnal Obshchei Khimii (*Journal of General Chemistry*): monthly.

Zhurnal Organicheskoi Khimii (*Journal of Organic Chemistry*).

Zhurnal Prikladnoi Khimii (*Journal of Applied Chemistry*): monthly.

Zhurnal Strukturnoi Khimii (*Journal of Structural Chemistry*).

Zhurnal Tekhnicheskoi Fiziki (*Journal of Technical Physics*): monthly.

Zhurnal Vychislityelnoi Matematiki i Matematicheskoi Fiziki (*Journal of Calculating Mathematics and Mathematical Physics*): 6 times yearly.

Zhurnal Vysshoi Nervoi Deyatelnosti im. Pavlova (*Pavlov Journal of Higher Nervous Activity*): bi-monthly.

Zoologicheskii Zhurnal (*Zoological Journal*): monthly.

(*Numerous other publications are also available.*)

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Vice-Chairman: Acad. V. A. KOTELNIKOV.

Learned Secretaries: V. V. BELOUSOV and N. S. PSHIRKOV.

Armenian S.S.R. Academy of Sciences: Presidium: Ul. Barekamutyan 24, Erevan; Pres. V. A. AMBARTSUMYAN; Vice-Presidents A. R. YOANNISYAN, S. A. AMBARTSUMYAN; Academician-Secretary S. A. BAKUNTS; Learned Secretary G. A. AVETISYAN; 43 members, 44 corresponding members.

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Council on Conservation of Nature: Chair. Prof. K. P. MIRIMANYAN.

Council on Problems of Machine-Building: Erevan 19; Chair. Acad. M. V. KASIYAN.

Council on Cybernetics: Erevan 44, Ul. Gastello 1; Chair. Acad. R. R. VARSHAMOV.

Council on Co-ordination of Economy: Erevan 19, Ul. Barekamutyan 24; Chair. Acad. T. P. AGAYAN.

Council on Semiconductors: Erevan 19, Ul. Barekamutyan 24; Chair. G. M. AVAKYANTS.

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Armenian Physiological Society: Chair. S. K. Karapetyan.

Armenian Botanical Society: Chair. V. O. Kazaryan.

Armenian Biochemical Society; Chair. G. K. Bunatyan.

Armenian Genetic Society: Chair. Prof. A. A. Ruhkyan.

Section on Technology of Engineering: Erevan 1, Tumanyan 17; Chair. A. M. Mardjanyan.

Department of Physical and Mathematical Sciences: Academician-Secretary G. M. Gazibyan; Learned Secretary A. A. Nersesyan.

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Institute of Mathematics: Ul. Barekamutyan 24-b, Erevan; Dir. M. M. Dzherbashyan.

Byurakan Astro-Physical Observatory: Ashtarak District, Byurakan; Dir. Acad. V. A. Ambartsumyan.

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Institute of Physics: Ul. Ashtarak 2, Erevan; Dir. M. L. Ter-Mikaelyan.

Byurakan Optical and Mechanical Laboratory: Ashtarak District, Byurakan; Dir. G. S. Minasyan.

Department of Chemical Sciences: Academician-Secretary A. B. Nalbandyan; Acting Learned Secretary E. R. Grigoryan.

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Institute of Fine Organic Chemistry: Erevan 14, Prospekt Azatunyan 26; Dir. S. A. Vartanyan.

Institute of Biochemistry: Ul. Gastello 5/1, Erevan; Dir. G. K. Bunatyan.

Institute of Organic Chemistry: Ul. Charentsa 17, Erevan; Dir. Prof. S. G. Matsoyan.

Institute of Chemical Physics: Ul. Moskovyan 22, Erevan; Dir. Acad. A. M. Nalbandyan.

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Department of Earth Sciences: Academician-Secretary I. G. Magakyan; Learned Secretary L. A. Grigoryan.

Attached to the Department:

Institute of Geology: Ul. Barekamutyan 24-a, Erevan; Dir. A. T. Aslanyan.

Institute of Geophysics and Engineering Seismology: Ul. Leningradyan 9, Leninakan; Dir. S. V. Badalyan.

Department of Biological Sciences: Academician-Secretary V. O. Kazdryan; Learned Secretary T. G. Chubaryan.

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Institute of Botany: Avan, Erevan; Dir. V. O. Kazaryan.

Institute of Zoology: Ul. Gastello 7, Erevan; Dir. S. M. Sarkissian.

Institute of Microbiology: Ul. Charentsa 19, Erevan; Dir. E. G. Afrikyan.

L. Orbaeli Institute of Physiology: Ul. Bratyev Orbeli 3, Erevan; Dir. V. V. Fanardjian.

Institute of Agro-Chemical Problems and Hydroponics: Ul. Noragyukh 108, Erevan; Dir. G. S. Davtyan.

Institute of Experimental Biology: Ul. Nersisyan 7, Erevan; Dir. J. J. Hakopian.

Sevan Hydrobiological Station: Ul. Kirova 192, Sevan; Dir. R. H. Oganessyan.

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Department of Social Sciences: Academician-Secretary T. P. Agayan; Learned Secretary K. V. Sehbosyan.

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M. A. Abegyan Institute of Literature: Ul. Karmir-Banaki 15, Erevan; Dir. V. S. Nalbandyan.

Institute of Economics: Ul. Abovyana 15, Erevan; Dir. A. A. Arakelyan.

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Institute of Philosophy and Law: Ul. Spandargana 44, Erevan; Dir. Y. J. Khachikian.

Publishing House: Ul. Abovyana 15, Erevan; Dir. S. G. Gevorkyan.

Commission on International Scientific Contacts: Ul. Barekamutyan 24, Erevan; Chair. A. R. Yoannisyan.

Periodical Publications of the Armenian Academy of Sciences:

Doklady Akademii Nauk Armyanskoi S.S.R. (*Reports of the Armenian S.S.R. Academy of Sciences*); Izvestiya Akademii Nauk Armyanskoi S.S.R. (*Bulletins of the Armenian S.S.R. Academy of Sciences*): Mathematics, Mechanics, Physics, Engineering Sciences, Earth Sciences; Khimicheskii Zhurnal Armenii (*Chemical Journal of Armenia*); Biologicheskii Zhurnal Armenii (*Biological Journal of Armenia*); Vestnik Obshchestvennykh Nauk (*Herald of Social Sciences*); Zhurnal Experimentalnoi Kilinicheskoi Meditsiny (*Journal of Experimental and Clinical Medicine*); Istoriko-Filologichesky Zhurnal (*Historical and Philological Journal*); Soobshcheniya Byurakanskoi Observatorii (*Reports of the Byurakan Astrophysical Observatory*).

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Council on Exploitation of Scientific Equipment: Baku 1, Kommunisticheskaya 10; Chair. V. Y. Akhundov.

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Institute of Cybernetics: Ul. Ketskhoveli, Kvartal 553, Baku; Acting Dir. D. E. ALLAKHVERDIEV.

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Institute of Zoology: 6 Khrebtovaya ul. 5, Baku; Dir M. A. MUSAEV.

Institute of Soil Science and Agrochemistry: Ul. Krilova 5, Baku; Dir. G. M. GUSEYNOV.

Institute of Genetics and Selection: Kommunisticheskaya 5, Baku; Dir. I. D. MUSTAFAEV.

Botanical Garden: Patamdartskoye shosse 40, Baku; Dir. U. M. AGAMIROV.

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Helminthological Society: Chair. S. M. ASADOV.

Society of Soil Scientists: Chair. D. M. GUSEINOV.

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Section of Microbiology: Baku, Prospekt Narimanova 31; Dir. N. A. MEKHTIEVA.

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Institute of Architecture and Arts: Pr. Narimanova 31, Baku; Dir. M. A. USEINOV.

Nizami Institute of Literature: Baku, Prospekt Narimanova 31; Dir. M. A. GULI-ZADE.

Azerbaijan Museum of History: Ul. Malygina 4, Baku; Dir. Prof. P. A. AZIZBEKOVA.

Republican Archives of Manuscripts: Ul. Kommunisticheskaya 10, Baku; Dir. M. S. SULTANOV.

Terminological Committee: Ul. Kommunisticheskaya 10, Baku; Chair. M. A. M. DADASHZADE.

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Byelorussian S.S.R. Academy of Sciences: f. 1929; Presidium: Leninsky prospekt 66, Minsk; President N. A. BORISEVICH; Vice-Presidents K. K. ATRAKHOVICH, V. A. BIELI, A. S. MAHNACH; Chief Learned Secretary A. S. DMITRIEV; 57 members, 77 corresponding members.

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Georgian S.S.R. Academy of Sciences: Presidium: Ul. Dzerzhinskogo 8, Tbilisi; Pres. I. N. VEKUA; Vice-Presidents E. K. KHARADZE, S. V. DURMISHIDZE, I. V. ABASHIDZE; Academician-Secretary N. A. LANDIA; 60 mems., 44 corresponding mems.

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Institute of Constructional Mechanics and Seismic Resistance: Ul. Z. Rukhadze 1, Tbilisi; Dir. K. S. ZAVRIEV.

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Institute of Botany: Kodjorskoe chaussée, Tbilisi; Dir. N. N. KETSKHOVELI.

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Sukhumi Botanical Garden: Ul. Chavchavadze 18, Sukhumi; Dir. G. G. AIBA.

Batumi Botanical Garden: Makhinjauri, Batumi; Dir. N. M. SHARASHIDZE.

Institute of Zoology: I. Chavchavadze prospekt 31, Tbilisi; Dir. B. E. KURASHVILI.

Institute of Physiology: Voenno-Grusinskaya Doroga 62, Tbilisi; Acting Dir. A. N. BAKURADZE.

A. N. Natishvili Institute of Experimental Morphology: Ul. Kamo 51, Tbilisi; Dir. N. A. DZHAVAKHISHVILI.

Institute of Plant Biochemistry: Dir. S. V. DURMISHIDZE.

Committee on Co-ordinating Studies in Malignant Tumours: Plekhanov prospekt 60, Tbilisi; Chair. V. K. ZHGHENTY.

Georgian Society of Patho-Anatomists: Chair. V. K. ZHGENTI.

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Georgian Society of Helminthologists: Chair. Prof. B. E. KURASHVILI.

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Georgian Botanical Society: Chair. N. N. KETSKHOVELI.

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Institute of Biochemistry of Plants: Tbilisi, Voenno-Gruzinskaya Doroga, 10th kilometre; Dir. S. V. DURMISHIDZE.

Commission on the Study of Cancer Tumours: Tbilisi, Prospekt Plekhanova 60; Chair. V. K. ZHGENTI.

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PERIODICAL PUBLICATIONS OF THE GEORGIAN ACADEMY OF SCIENCES:

Bulletin of the Academy (monthly, in Georgian, abstracts in Russian and English); Matsne (*Herald of the Department of Social Sciences*, monthly); Metsnierba da Technika (monthly).

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Izvestiya Akademii Nauk Kirghizskoi S.S.R. (*Bulletins of the Kirghiz S.S.R. Academy of Sciences*).

Latvian S.S.R. Academy of Sciences: Presidium: Ul. Turgeneva 19, Riga; Pres. A. K. MALMEISTERS; Vice-Pres. E. A. JAKUBAITIS, P. I. VALESKALN; Chief Learned Secretary V. P. SAMSON; 23 members, 27 corresponding members.

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Latvian Association for the History of Natural Sciences and Technology: Chair. P. I. VALESKALN.

Commission on Science Equipment: Riga, Ul. Dizrraukles, 23; Chair. Y. M. TAKNOPOLSKY.

Scientific Council on Exhibitions: Riga, Ul. Akademiyas 27; Chair. A. J. KALNIN.

Council on Libraries: Riga, Ul. Turgeneva 19; Chair. J. P. STRADIN.

Council on Cybernetics: Riga, Ul. Turgeneva 19; Chair. E. A. JAKUBAYTIS.

Department of Physical and Engineering Sciences: Academician-Secretary J. A. MIHAILOV; Learned Secretary M. P. ZAKIS.

ATTACHED TO THE DEPARTMENT:

Institute of Physics: Salaspils, Riga District; Dir. J. A. MIKHAILOV.

Institute of Electronics and Computing Equipment: Ul. Akademiyas 14, Riga; Dir. E. A. JAKUBAYTIS.

Institute of Energy: Ul. Aizkraukles 21, Riga; Dir. A. F. KROGERIS.

Institute of Mechanics of Polymer Compounds: Ul. Aizkraukles 23, Riga; Dir. V. A. LATISHENKO.

Radio-Astrophysical Observatory: Ul. Turgeneva 19, Riga; Acting Dir. A. E. BALKLAV.

Department of Chemical and Biological Sciences: Academician-Secretary S. A. GILLER; Learned Secretary M. P. ZARUBINA.

ATTACHED TO THE DEPARTMENT:

Institute of Inorganic Chemistry: Ul. Meistaru 10. Riga; Dir. B. A. PURIN.

Institute of Organic Synthesis: Ul. Aizkraukles 21, Riga; Dir. S. A. GILLER.

Institute of Wood Chemistry: Ul. Akademijas 27, Riga; Dir. A. T. KALNINSH.

Institute of Biology: Ul. Miera 3, Salaspils, Riga District; Dir. G. P. ANDRUSHAITIS.

Institute of Microbiology: Ul. Kleysti, Riga; Dir. R. A. KUKAIN.

Botanical Garden: P.O. Salaspils, Riga District; Dir. V. K. OZOLINŠ.

Latvian Department of All-Union Botanical Society: Riga, Ul. Meystaru 10; Chair. G. S. SABARDINA.

Latvian Department of All-Union Biochemistry Society: Riga, Bul. Kronvalda 9; Chair. A. A. SHMIDT.

Latvian Department of All-Union Entomological Society: Riga, Ul. Fricha Gaylya 10; Chair. J. A. LUS.

Latvian Department of All-Union N. I. Vavilov Society of Genetics and Selection: Riga, Ul. Fricha Gaylya 10; Chair. J. A. LUS.

Latvian Department of All-Union I. P. Pavlov Physiological Society: Riga, Kronvalda 9; Chair. A. P. PAVULE.

Department of Social Sciences: Academician-Secretary V. A. SHTEINBERG; Learned Secretary V. S. LURINYA.

ATTACHED TO THE DEPARTMENT:

Institute of Economics: Ul. Turgeneva 19, Riga; Dir. J. B. TURCHINS.

Institute of History: Ul. Turgeneva 19, Riga; Dir. V. A. SHTEINBERG.

Institute of Language and Literature: Ul. Turgeneva 19, Riga; Dir. J. J. KALNIN.

Terminological Commission: Ul. Krishjana Barona 4, Riga; Chair. R. J. GRABIS.

"Zinatne" Publishing House: Ul. Turgeneva 19, Riga; Dir. M. M. BELYUK.

Scientific Council on Expositions: Ul. Turgeneva 19, Riga; Chair. A. J. KALNINSH.

PERIODICAL PUBLICATIONS OF THE LATVIAN ACADEMY OF SCIENCES:

Izvestiya Akademii Nauk Latviyskoi S.S.R. (*Bulletins of the Latvian S.S.R. Academy of Sciences*): Chemical Sciences, Physical and Engineering Sciences; Mekhanika Polimerov (*Mechanics of Polymers*); Magnitnaya Gidrodinamika (*Magnetic Hydrodynamics*); Khimiya Geterotsiklicheskikh Soedinenii (*Chemistry of Heterocyclic Compounds*).

Lithuanian S.S.R. Academy of Sciences: Presidium: Lenino prospektas 3, Vilnius; Pres. J. MATULIS; Vice-Pres. A. A. ŽUKAUSKAS, J. K. POŽELA; Chief Learned Secretary K. A. MEŠKAUSKAS; 19 members, 25 corresponding members.

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Council for Co-ordination of Natural and Social Sciences: Chair. J. MATULIS.

Central Library: K. Poželos 2/8, Vilnius; Dir. J. MARCINKEVIČIUS.

Department of Physical, Technical and Mathematical Sciences: Academician-Secretary P. P. BRAZDŽIŪNAS; Learned Secretary S. F. RAŠKOVSKIS.

ATTACHED TO THE DEPARTMENT:

Institute of Physics and Mathematics: K. Poželos 54, Vilnius; Dir. V. A. STATULEVIČIUS.

Institute of Physical and Technical Problems of Energetics: Metalo 4, Kaunas; Dir. V. I. DAUKNYS.

Institute of Semiconductor Physics: K. Poželos 52, Vilnius; Dir. J. POŽELA.

Department of Chemical and Biological Sciences: Academician-Secretary L. KAIRIŪKŠTIS; Learned Secretary A. Y. PALIONIENE.

ATTACHED TO THE DEPARTMENT:

Institute of Chemistry and Chemical Technology: K. Poželos 48, Vilnius; Dir. J. MATULIS.

Institute of Botany: Turistu 47, Vilnius; Dir. K. K. JANKEVIČIUS.

Institute of Biochemistry: K. Poželos 48, Vilnius; Dir. L. RASTEIKIENE.

Institute of Zoology and Parasitology: K. Poželos 54, Vilnius; Dir. A. ZAJANČKAUSKAS; attached Dept. of Geography; Head K. BIELIUKAS.

Botanical Garden: Botanikos 3, Kaunas; Dir. A. R. BUDRIŪNAS.

Department of Social Sciences: Academician-Secretary V. Y. NIUNKA; Learned Secretary P. A. DIČIUS.

ATTACHED TO THE DEPARTMENT:

Institute of Economics: K. Poželos 52, Vilnius; Dir. K. A. MEŠKAUSKAS.

Institute of History: Kostiuškos 30, Vilnius; Dir. B. VAITKEVIČIUS. (Department of Philosophy, Law and Sociology attached to the Institute: Head J. MACEVIČIUS.)

Institute of Lithuanian Language and Literature Antakalnio 3, Vilnius; Dir. K. P. KORSAKAS.

PERIODICAL PUBLICATIONS OF THE LITHUANIAN ACADEMY OF SCIENCES:

Lietuvos T.S.R. M.A. Darbai. (*Proceedings of the Lithuanian S.S.R. Academy of Sciences*); Series A (*Social Sciences*); Series B (*Chemistry, Engineering, Geography*); Series C (*Biological Sciences*).

Moldavian S.S.R. Academy of Sciences: Presidium: Prospekt Lenina 1, Kishinev; Pres. Y. S. GROSUL; Vice-President B. R. LAZARENKO; Chief Learned Secretary T. I. MALINOWSKI; 17 members, 21 corresponding members.

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Commission on Nature Conservation: Chair. V. N. VERINA.

Department of Physical-Engineering and Mathematical Sciences: Academician-Secretary V. A. ANDRUNAKIEVICH; Learned Secretary I. A. DYAKON.

ATTACHED TO THE DEPARTMENT:

Institute of Mathematics and Computing Centre: Ul. Akademicheskaya 3, Kishinev; Dir. V. A. ANDRUNAKIEVICH.

Institute of Applied Physics: Ul. Akademicheskaya 5, Kishinev; Dir. B. R. LAZARENKO.

Institute of Geophysics and Geology: Kishinev; Dir. A.V. DRUMYA.

Section of Energy Cybernetics: Ul. Akademicheskaya 5, Kishinev; Dir. G. V. CHALY.

Section of Geography: Leninsky prospekt 1, Kishinev; Dir. V. E. PROKA.

Seismic Station: Kostuzhenskoe chaussée 62, Kishinev; Dir. A. V. DRUMYA.

Department of Biological and Chemical Sciences: Academician-Secretary I. S. POPOUSHOY; Learned Secretary G. T. BALMOUSCH.

ATTACHED TO THE DEPARTMENT:

Institute of Chemistry: Ul. Akademicheskaya 3, Kishinev; Dir. P. F. VLAD.

Institute of Zoology: Prospekt Lenina 1, Kishinev; Dir. F. I. FURDUI.

Institute of Plant Physiology and Biochemistry: Ul. Akademicheskaya 3, Kishinev; Dir. K. V. MORARU.

Botanical Garden: Kishinev 277032, Ul. Lesnaja 18; Dir. A. A. CHEBOTARU.

Section of Plant Genetics: Ul. Akademicheskaya 3, Kishinev; Dir. V. N. LYSIKOV.

Section of Microbiology: Prospekt Lenina 1, Kishinev; Dir. V. V. KOTELEV.

Section of Palaeontology and Stratigraphy: Ul. Berzarina 10, Kishinev; Dir. K. N. NEGODAEV-NIKONOV.

Complex Experimental Station (Collective Farm "Vyatsa Noue", Orgeev District): Akademicheskaya ul. 13, Kishinev; Dir. I. E. BUKHAR.

Moldavian Department of All-Union Botanical Society: Kishinev 28, Akademicheskaya 3; Chair. T. S. GEIDEMAN.

Moldavian Department D. I. Mendeleyev Chemistry Society: Kishinev, Akademicheskaya 3; Chair. D. P. POPA.

Moldavian Department of All-Union Hydrobiological Society: Kishinev, Akademicheskaya 5; Chair. M. F. JAROSHENKO.

Moldavian Department of All-Union Society of Genetics: Kishinev, Akademicheskaya 3; Acad. A. D. SIMINEL.

Moldavian Department of All-Union Entomological Society: Kishinev, Akademicheskaya 5; Chair. B. V. VERESHCHAGIN.

Moldavian Geographical Society: Kishinev, Prospekt Lenina 1; Chair. A. T. LEVADNUK.

Department of Social Sciences: Academician-Secretary A. M. LAZAREV; Learned Secretary T. F. TSCHELAK.

ATTACHED TO THE DEPARTMENT:

Institute of History: Prospekt Lenina 1, Kishinev; Dir. B. K. VIZER.

Institute of Economics: Prospekt Lenina 1, Kishinev; Dir. N. P. FROLOV.

Institute of Language and Literature: Prospekt Lenina, Kishinev; Chair. S. S. CHIBOTARY.

Society for the Protection of Culture: Prospekt Lenina 1, Kishinev; Chair. S. S. CHIBOTARY.

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Department of Foreign Languages: Kishinev, Prospekt Lenina 1; Chair. D. V. BEDEREU

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PERIODICAL PUBLICATIONS OF THE MOLDAVIAN ACADEMY OF SCIENCES:

Izvestiya Akademii Nauk Moldavskoi S.S.R. (*Bulletins of the Moldavian S.S.R. Academy of Sciences*); Elektronnaya Obrabotka Materialov (*Electronic Processing of Materials*); Limba shi Literatura Moldavenyaske (*Moldavian Language and Literature*).

Tajik S.S.R. Academy of Sciences: Presidium: Dushanbe; Pres. M. S. ASIMOV; Vice-Pres. A. S. MAKSUMOV; Chief Learned Secretary P. M. SOLOZHENKIN; 22 members, 19 corresponding members.

Department of Physical-Engineering and Chemical Sciences: Academician-Secretary R. B. BARATOV; Learned Secretary A. N. BELOV.

ATTACHED TO THE DEPARTMENT:

S. U. Umarov Physical-Engineering Institute: 8-km., Ordzhonikidzeabadskoe chaussée, Dushanbe; Dir. A. A. ADKHAMOV.

Institute of Astrophysics: Ul. Sviridenko 22, Dushanbe; Dir. O. V. DOBROVOLSKY.

Institute of Seismic Resistant Construction and Seismology; Ul. Ayni 121, Dushanbe; Dir. S. K. NEGMATULLAYEV.

Institute of Chemistry: Ul. Ayni 44, Dushanbe; Dir. I. U. NUMANOV.

Institute of Geology: Dir. R. B. BARATOV.

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Tajik Branch of the All-Union Mineralogical Society: Chair. R. B. BARATOV.

Tajik Branch of the All-Union Paleontological Society: Chair. V. M. REIMAN.

Tajik Geographical Society: Chair. A. P. NEDZVETSKY.

Tajik Branch of the All-Union Biochemical Society: Chair. I. D. MANSUROVA.

Dushanbe Branch of the All-Union Astronomical and Geodesical Society: Chair. A. M. BAKHAREV.

Institute of Mathematics: Dushanbe, Ordzhonikidzebadskoe chaussée; Chair. A. D. DZHURAEV.

Department of Biological Sciences: Academician-Secretary M. N. NARZIKULOV; Learned Secretary G. P. SHMELEV.

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Institute of Plant Physiology and Biophysics: Botanicheskaya ul. 17, Dushanbe; Dir. Y. S. NASYROV.

Institute of Botany: Ul. Lakhuti 6, Dushanbe; Dir. P. N. OVCHINNIKOV.

Academician E. N. Pavlovsky Institute of Zoology and Parasitology: Post Office 70, Dushanbe; Dir. I. A. ABDUSALYAMOV.

Institute of Gastro-Enterology: Dir. K. K. MANSUROV.

Tajik Branch of the All-Union Entomological Society: Chair. M. N. NARZIKULOV.

Pamir Station: Gorno-Badakhshan Autonomous Region, Khorog; Chair. K. Y. YUSUFBEKOV.

Department of Social Sciences: Academician-Secretary N. A. MASUMI; Learned Secretary K. E. VASILEV.

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Rudaki Institute of Language and Literature: Prospekt Lenina 21, Dushanbe; Dir. N. A. MASUMI.

Institute of Economics: Prospekt Lenina 37, Dushanbe; Dir. R. K. RAKHIMOV.

Section of Philosophy: Prospekt Lenina 33, Dushanbe; Dir. G. A. ASHUROV.

Section of Oriental Studies and Ancient Scriptures: Ul. Parvin 8, Dushanbe; Dir. A. M. MIRZOEV.

Editorial Board: Dushanbe 33; Chair. M. S. ASIMOV.

Publishing House: Ul. Aym 121, Dushanbe; Dir. M. BABAEV.

PERIODICAL PUBLICATIONS OF THE TAJIK ACADEMY OF SCIENCES:

Doklady Akademii Nauk Tadzhikskoi S.S.R. (*Reports of the Tajik S.S.R. Academy of Sciences*); Izvestiya Akademii Nauk Tadzhikskoi S.S.R. (*Bulletins of the Tajik Academy of Sciences*): Physical-Engineering and Chemical Sciences, Biological Sciences, Social Sciences.

Turkmen S.S.R. Academy of Sciences: Presidium: Ul. Gogolya 15, Ashkhabad; Pres. A. G. BABAEV; Vice-Presidents I. S. RABOCHEV, A. A. BERDYEV; Chief Learned Secretary O. N. MAMEDNIYAZOV; 24 members, 21 corresponding members.

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Turkmen Branch of the All-Union Botanical Society: Chair. S. I. KOGAN.

Turkmen Branch of the All-Union Entomological Society: Chair. A. N. LUPPOVA.

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Commission on the History of Natural Sciences and Technology: Chair. S. R. SERGIENKO.

Commission on the Orthography and Terminology of the Turkmen Language: Chair. P. A. AZIMOV.

Council on Co-ordination of Science Investigations: Chair. P. A. AZUMOV.

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Department of Physical-Engineering and Chemical Sciences: Acting Academician-Secretary A. A. BERDIEV; Learned Secretary A. V. LEZHNEVA.

ATTACHED TO THE DEPARTMENT:

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Institute of Chemistry: Sad Keshi, Ashkhabad; Dir. A. M. NIYAZOV.

Institute of Earth and Atmospheric Physics: Ul. Gogolya 16, Ashkhabad; Dir. O. A. ODEKOV.

Department of Biological Sciences: Acting Academician-Secretary F. F. SULTANOV; Learned Secretary N. B. POLESIKA.

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Institute of Zoology: Ul. Engelsa 6, Ashkhabad; Dir. A. O. TASHLIEV.

Institute of Regional Medicine: Dir. A. K. BABAYEVA.

Botanical Garden: Ul. Timiryazeva 17, Ashkhabad; Dir. N. MURATGELDYEV.

Desert Institute: Ashkhabad, sad Keshi; Dir. N. S. ORLOVSKY.

Scientific Council on Biological Reconstruction of Animals: Chair. A. O. TASHLIEV.

Scientific Council on Studying of Deserts of Middle Asia and Kazakhstan: Chair. N. T. NECHAEVA.

Department of Social Sciences: Acting Academician-Secretary A. S. SAPAROV; Learned Secretary V. N. FILYUSHINA.

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Makhtumkuli Institute of Linguistics and Literature: Ul. Gogolya 15, Ashkhabad; Dir. B. CHARIYAROV.

Institute of Economics: Ul. Gogolya 15, Ashkhabad; Dir. D. A. ALLADOTOV.

Southern Turkmen Complex Archaeological Expedition: Ul. Gogolya 15, Ashkhabad; Dir. M. E. MASSON.

Section of Philosophy and Law: Chair. G. O. MURADOVA.

PERIODICAL PUBLICATIONS OF THE TURKMEN ACADEMY OF SCIENCES:

Izvestiya Akademii Nauk Turkmenskoi S.S.R. (*Bulletins of the Turkmen S.S.R. Academy of Sciences*): Physical-Engineering and Chemical Sciences, Biological Sciences, Social Sciences.

Ukrainian S.S.R. Academy of Sciences: Presidium: Ul. Vladimirskaya 54, Kiev; f. 1919; Pres. B. E. PATON; Vice-Presidents G. S. PISARENKO, V. I. TREFILOV, V. M. GLUSHKOV, K. M. SYTNIK, I. K. BELODED; Chief Scientific Secretary I. K. POHODNYA; 119 members, 171 corresponding members.

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ATTACHED TO THE SECTION:

Department of Mathematics, Mechanics and Cybernetics: Academician-Secretary Y. A. MITROPOLSKY; Scientific Secretary A. A. MARTYNJUK.

ATTACHED TO THE DEPARTMENT:

Institute of Mathematics: Ul. Repina 3, Kiev; Dir. Y. A. MITROPOLSKY.

Institute of Hydromechanics: Ul. Zhelyabova 8/4, Kiev; Dir. A. Y. OLEYNIK.

Institute of Cybernetics: Prospekt Nauky 4, Kiev; Dir. V. M. GLUSHKOV.

Institute of Mechanics: Ul. Zhelyabova 2, Kiev; Dir. V. O. KONONENKO.

Institute of Strength Problems: Ul. Timizyazevskaya 2, Kiev; Dir. G. S. PISARENKO.

Institute of Mechanics of Geological Engineering: Ul. Simferopolskaya 2a, Dnepropetrovsk; Dir. V. N. POTURAEV.

Institute of Applied Mathematics and Mechanics: Ul. Universitetskaya 77, Donetsk; Dir. A. M. BOGOMOLOV.

Department of Physics: Academician-Secretary V. N. GRIDNEV; Scientific Secretary T. K. YATSENKO.

ATTACHED TO THE DEPARTMENT:

Institute of Physics: Prospekt Nauky 144, Kiev; Dir. M. T. SHPAK.

Institute of Physics of Metals: Prospekt Vernadskogo 36, Kiev; Dir. V. N. GRIDNEV.

Institute of Semiconductor Physics: Prospekt Nauky 115, Kiev; Dir. O. V. SNITKO.

Physical-Engineering Institute: Yumovsky tupik 2, Kharkov; Dir. V. E. IVANOV.

Physical-Engineering Institute of Low Temperatures: Lenin prospekt 47, Kharkov; Dir. B. I. VERKIN.

Institute of Radio Physics and Electronics: Ul. Malo-Belgorodskaya 12, Kharkov; Dir. V. P. SHESTOPALOV.

Donetsk Physical Engineering Institute: Bulvar Mira 21, Donetsk; Dir. A. A. GALKIN.

Institute of Theoretical Physics: Ul. Chkalova 55, Kiev; Dir. A. S. DAVYDOV.

Institute of Nuclear Research: Prospekt Nauky 119, Kiev; Dir. O. F. NJEMEC.

Chief Astronomical Observatory: Golosievo, Kiev; Dir. Y. S. YATSKIV.

Department of Physical-Engineering Problems of Materials: Academician-Secretary I. N. FEDORCHENKO; Scientific Secretary K. F. YEVLASH.

ATTACHED TO THE DEPARTMENT:

E. O. Paton Institute of Electrical Welding (Order of Lenin and Order of the Red Banner of Labour): Ul. Gorkogo 69, Kiev; Dir. B. E. PATON.

Institute of Problems of Materials (Order of the Red Banner of Labour): Ul. Krzhizhanovskogo 3, Akademgorodok, Kiev; Dir. V. I. TREFILOV.

Institute of Foundry Problems: Prospekt Vernadskogo 34/1, Akademgorodok, Kiev; Dir. V. A. EFIMOV.

Physical-Mechanical Institute: Ul. Nauchnaya 5, Lvov; Dir. V. V. PANASJUK.

Institute of Superhard Materials: Ul. Avtozavodskaya 2, Kiev; f. 1961; library of 125,000 vols.; Dir. V. N. BAKUL.

Department of Physical-Engineering Problems of Energy: Academician-Secretary I. T. SHVETS; Scientific Secretary L. I. BUSLOV.

ATTACHED TO THE DEPARTMENT:

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Institute of Engineering Thermal Physics: Ul. Zhelyabova 2a, Kiev; Dir. O. A. GERASHCHENKO.

Institute of Problems of Engineering: Ul. Krasnoznamennaya 4, Kharkov; Dir. V. N. PODGORNY.

Department of Earth Problems: Academician-Secretary S. I. SUBBOTIN; Scientific Secretary D. A. LESNOY.

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Institute of Geology: Ul. Chkalova 55b, Kiev; Dir. V. J. DIDKOVSKY.

Institute of Geophysics: Ul. Novo-Belichanskaya 32-34, Kiev; Dir. S. I. SUBBOTIN.

Poltava Gravimetric Observatory: Ul. Myasoedova 27/29, Poltava; Dir. N. I. PANCHENKO.

Institute of Geology and Geochemistry of Combustible Minerals: Ul. Kopernika 15, Lvov; Dir. G. N. DOLENKO.

Institute of Geochemistry and Physics of Minerals: Ul. Novo-Belichanskaya 34, Kiev; Dir. N. P. SEMENENKO.

Marine Hydrophysical Institute: Ul. Lenina 28, Sevastopol; Dir. B. A. NJELEPO.

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ATTACHED TO THE SECTION:

Department of Chemistry and Chemical Technology: Academician-Secretary K. B. YATSIMIRSKY; Scientific Secretary V. V. ORDA.

ATTACHED TO THE DEPARTMENT:

Institute of Colloidal Chemistry and Chemistry of Water: Prospekt Vernadskogo 42, Kiev; Dir. A. D. KURILENKO.

Institute of General and Inorganic Chemistry: Ul. Novo-Belichanskaya 32/34, Kiev; Dir. A. V. GORODISKY.

Institute of Organic Chemistry: Ul. Murmanskaya 5, Kiev; Dir. A. V. KIRSANOV.

Institute of Macromolecular Chemistry: Darnitsa, Kharkovskoye shosse 48, Kiev; Dir. Y. S. LIPATOV.

L. V. Pisarzhevsky Institute of Physical Chemistry (Order of the Red Banner of Labour): Prospekt Nauku 97, Kiev; Dir. K. B. YATSIMIRSKY.

Institute of Gas: Ul. Parkhomenko 39, Kiev; Dir. V. F. KOPYTOV.

Institute of Physical-Organic Chemistry and Coal Chemistry: Ul. Shchorsa 17, Donetsk; Dir. L. M. LITVINENKO.

Department of General Biology: Academician-Secretary A. M. GRODZINSKY; Scientific Secretary D. A. ZAKORDONEC.

ATTACHED TO THE DEPARTMENT:

V. M. G. Kholodny Institute of Botany: Ul. Repina 4, Kiev; Dir. K. M. SYTNIK.

Ukrainian State Steppe Reservation: Donetsk Region, Khomutovo Village, Novoazov District; Dir. A. P. GENOV.

Botanical Garden: Ul. Timiryazeva 1, Kiev; Dir. A. M. GRODZINSKY.

Institute of Zoology: Ul. Lenina 15, Kiev; Dir. V. A. TOPACHEVSKY.

Institute of Hydrobiology: Ul. Vladimirskaya 44, Kiev; Dir. L. A. SIRENKO.

Institute of Plant Physiology: Ul. Vasilkovskaya 31/17, Kiev; Dir. D. M. GRODZINSKY.

Institute of Biology of Southern Seas: Nakhimov prospekt 2, Sevastopol; Dir. V. N. GREZE.

Botanical Gardens: Ul. Universitetskaya 77, Donetsk; Dir. E. M. KONDRATYUK.

Lvov Science Museum: Ul. Teatralnaya 18, Lvov; Dir. M. I. SERGIENKO.

Department of Biochemistry, Physiology and Theoretical Medicine: Academician-Secretary V. I. SKOK; Scientific Secretary V. D. MANUILSKY.

ATTACHED TO THE DEPARTMENT:

Institute of Biochemistry: Ul. Leontovicha 9, Kiev; Dir. M. F. GULY.

A. A. Bogomolets Institute of Physiology: Ul. Bogomoltsa 4, Kiev; Dir. P. G. KOSTYUK.

D. K. Zabolotny Institute of Microbiology and Virology: Ul. Zabolotnogo 59, Kiev; Dir. D. G. ZATULA.

Institute of Molecular Biology and Genetics: Ul. Zabolotnogo 24, Kiev; Dir. G. H. MATSUKA.

Institute of Problems of Oncology: Ul. Vasilkouskaya 65, Kiev; Dir. R. E. KAVETSKY.

Institute of Problems of Criobiology and Medicine: Ul. Skorokhoda 4, Kharkov; Dir. N. S. PUSHKAR.

Section of Social Sciences: Chair. I. K. BELODED; Scientific Secretary Y. A. PINCHUK.

ATTACHED TO THE SECTION:

Department of Economics, History, Philosophy and Law: Academician-Secretary B. M. BABIY; Scientific Secretary I. I. LADYVIR.

ATTACHED TO THE DEPARTMENT:

Institute of Economics: Ul. Kirova 4, Kiev; Dir. P. I. BAGRIY.

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Vestnik Akademii Meditsinskikh Nauk S.S.S.R. (Herald of the U.S.S.R. Academy of Medical Sciences).

ACADEMY OF PEDAGOGICAL SCIENCES OF THE U.S.S.R.

BOLSHAYA POLYANKA 58, 113095 MOSCOW M-95

Founded 1943.

The Academy is the leading scientific pedagogical institution in the U.S.S.R., bringing together the most prominent specialists in this field. The functions of the Academy are as follows: the scientific elaboration of general and special pedagogical problems, the history of pedagogics, aesthetic education, the theory and practice of physical training, psychology, defectology, curricular guides on methods in general educational schools, adult education, the planning of scientific work in pedagogics, co-ordination of activity of all the research institutions of the Soviet Union and training of scientific personnel in above mentioned subjects, school equipment and technical aids in education, the promotion of educational development in the country and dissemination of pedagogical knowledge among the people.

The Academy studies the theoretical problems of modern pedagogics, participates in the preparation of regulations concerning basic types of schools, recommendations on school networks and the elaboration of new curricula and projects.

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Library of 1,125,000 vols. including periodicals.

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Makhmutov, M. I., Pedagogics
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RESEARCH INSTITUTES

Scientific Research Institute of General Pedagogics: Moscow, Ul. Pavla Korchagina 7; Dir. A. M. Arsenyev.

Scientific Research Institute of General Educational Problems: Moscow, Ul. Pavla Korchagina 1; Dir. G. N. Filonov.

Scientific Research Institute of Educational Methodology and Standards: Moscow, Ul. Makarenko 5/16; Dir. M. P. Kashin.

Scientific Research Institute of General and Educational Psychology: Moscow, Prospekt Marxa 20; Dir. Prof. V. V. Davydov.

Scientific Research Institute of Child and Pre-Adult Physiology: Moscow, Pogodinskaya ul 8; Dir. (vacant).

Scientific Research Institute of Pre-School Education: Moscow, Klimentovsky pereulok 1; Dir. Prof. A. V. Zaporozhetz.

Scientific Research Institute of School Equipment and Technical Aids in Education: Moscow, Derbenevskaya naberezhnaya 13; Dir. Prof. S. G. Shapovalenko.

Scientific Research Institute of Art Education: Moscow, Proezd Vladimirova 4; Dir. Prof. B. T. Likhachev.

Scientific Research Institute of Labour Education and Vocational Studies: Moscow, Pogodinskaya ul. 8; Dir. (vacant).

Scientific Research Institute of Russian Language Instruction in National Schools: Moscow, Pogodinskaya ul. 8; Dir. Prof. N. M. SHANSKY.

Scientific Research Institute of Defectology: Moscow, Pogodinskaya ul. 8; Dir. T. A. VLASOVA.

Scientific Research Institute of General Adult Education: Leningrad, Naberezhnaya Kutuzova 8; Dir. Prof. A. V. DARINSKY.

PERIODICALS PUBLISHED BY THE ACADEMY:

Sovietskaya Pedagogika† (Soviet Pedagogics): monthly.

Voprosy Psikhologii† (Problems of Psychology): monthly.

Semya i Shkola† (Family and School): monthly.

Defektologiya† (Defective), and others.

LEARNED SOCIETIES

All-Union Council of Scientific and Engineering Societies: Moscow, Ul. Krzhizhanovscogo 20/30.

Chairman: A. Y. TSHLINSKY.
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The Council unites and co-ordinates the activities of the following 21 scientific and engineering societies in different industries:

Scientific and Engineering Society of Agriculture: Moscow, Ul. Kirova 13; Chair. G. V. GULYAEV, D.SC.

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Scientific and Engineering Society of Ferrous Metallurgy: Moscow, 2 Baumanskaya ul. 9/23; Chair. V. V. LEMPUTSKY.

Scientific and Engineering Society of Flour-Grinding and Peeling Industries and Elevator Economy: Moscow, Chistie prudy 12-a; Chair. Y. V. SHILKIN.

Scientific and Engineering Society of the Food Industry: Moscow, Kuznetsky most 19; Chair. L. Y. AUERMAN, D.SC.

Scientific and Engineering Society of the Instrument Building Industry: Moscow, pr. K. Marxa 17; Chair. V. V. KAZIBSKY.

Scientific and Engineering Society of Light Industry: Moscow, Ul. Vavilova 69; Chair. V. A. USENKO.

Scientific and Engineering Society of the Machine Building Industry: Moscow, Bolshoy Cherkassky per. 7; Chair. V. S. VASILIEV.

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Scientific and Engineering Society of Municipal Economy and Motor Transport: Moscow, Ul. Kuibysheva 4; Chair. K. K. KLOPOTOV.

Scientific and Engineering Society of Non-Ferrous Metallurgy: Moscow, Astrakhansky per. 1/15, Chair. V. V. BORODOJ.

Scientific and Engineering Society of the Oil and Gas Industry: Moscow, Ul. Kuibysheva 3/8; Chair. Y. V. ZAJTZEV.

Scientific and Engineering Society of the Paper and Wood-Working Industry: Moscow, Ul. 25 Oktyabrya, 8/1; Chair. N. N. CHISTYAKOV.

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All-Union Scientific Medical Society of Hygienists: Moscow, Pogodinskaya ul. 10; Chair. F. G. KROTKOV, D.SC.; Gen. Sec. H. G. SUKHAREV.

All-Union Scientific Society of History of Medicine: Moscow, Ul. Obukha 12.

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All-Union Scientific Medical Society of Paediatricians: Moscow, Ustyinsky proezd 1/2; Chair. Y. F. DOMBROVSKAYA, D.SC.; Gen. Sec. L. A. ISAEVA, M.SC.

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All-Union Scientific Medical Society of Roentgenologists and Radiologists: Moscow, Ul. Solyanka 14; Chair. G. A. ZEDGENIDZE, D.SC.; Gen. Sec. G. F. PALYGA.

All-Union Scientific Medical Society of Stomatologists: Moscow, Teply per. 16; Chair. A. I. RYBAKOV; Gen. Sec. T. T. ERNIOLAEV.

All-Union Scientific Medical Society of Surgeons: Moscow, Bolshaya Pirogovskaya ul. 2/6; Chair. B. V. PETROVSKY, D.SC.; Gen. Sec. L. T. PERELMAN.

All-Union Scientific Medical Society of Traumatic Surgeons and Orthopaedists: Moscow, Novoipatovskaya ul. 8; Chair. M. V. VOLKOV, D.SC.; Gen. Sec. S. T. ZATSEPIN.

All-Union Scientific Medical Society of Therapists: Moscow, Ul. Petrovka 25; Chair. A. I. NESTEROV, D.SC.; Gen. Sec. J. E. SPERANSKAYA.

All-Union Scientific Medical Society of Urological Surgeons: Moscow, Pirogovskaya ul. 1; Chair. N. A. LOPATKIN; Gen. Sec. A. F. DARENKOV.

All-Union Scientific Medical Society of Venereologists and Dermatologists: Moscow, Ul. Korolenko 3; Chair. H. J. STUDNITSKY; Gen. Sec. H. A. KALAMKAYYAN.

British Council: Cultural Section, British Embassy, Naberezhnaya Marisa Teresa 14, Moscow V-79; Asst. Cultural Attaché A. G. BONAR.

Union of U.S.S.R. Architects: Moscow, Ul. Shchuseva 3; f. 1932; over 10,000 mems.; First Sec. G. M. ORLOV.

Union of U.S.S.R. Artists: Moscow, Gogolevskii bul. 10; f. 1957; 31,000 mems.; publs. *Art, Creation, Artist, Moscow Artist.*

Union of U.S.S.R. Composers: Moscow, K-9, Ul. Nezhdanovoi 8/10; f. 1932; 2,061 mems.; First Sec. T. N. KHRENNIKOV; publs. *Soviet Music, Musical Life, Information Bulletin* (in five languages).

Union of U.S.S.R. Writers: Ul. Vorovskogo 52, Moscow; f. 1935; over 8,000 mems.; First Sec. G. MARKOV; publs. *Literaturnaya Gazeta* (weekly), *Novymir* (monthly), *Inostrannaya Literatura* (monthly).

Moscow Society of Naturalists: Moscow 103009, Prospekt Marxa 20; f. 1805; sections for zoology, botany, geology, hydrobiology, geography, biophysics, palaeontology, histology, experimental morphology and genetics; 3,500 mems.; library of 437,000 vols.; Chair. A. L. JANSHIN; publ. *Biulletin Moskovskogo Obshchestva Ispytateley pryrody* (6 a year).

A.A. Yablochkina All-Russia Theatrical Society: Moscow, Ul. Gorkogo 16; f. 1883; 24,000 mems.; Chair. M. I. TSAREV.

Two important organizations which, though not learned or professional societies in the strict sense, include some of the outstanding scholars and scientists of the U.S.S.R., are the following adult education organizations:

AU Society "Znanya": Moscow, Proezd Serova 4; f. 1947; 2,700,000 mems.; Chair. Acad. I. I. ARTOBOLEVSKY; publs. *Science and Life* (monthly), etc.

Union of the Soviet Societies of Friendship and Cultural Relations with Foreign Countries: Moscow, Prospekt Kalinina 14; f. 1958; unites 41 societies of friendship and cultural relations with other countries; 2,700,000 mems.; Chair. N. V. POPOVA; publs. *Science and Mankind, Future of Science* (annuals).

RESEARCH INSTITUTES

AGRICULTURE AND VETERINARY SCIENCE

AU Flax Research Institute: Torzhok, Ul. Lunacharskogo 35.

AU Research Institute of Astrakhan Raising: Uzbek S.S.R., Samarkand, Ul. Karla Marxa 47.

AU Research Institute of Forestry Reclamation: Volgograd, Ul. Krasnopresnenskaya 37.

AU Research Institute of Grain Production: Shortandy, Akmolinsky region.

AU Research Institute of Winegrowing and Wine Production: R.S.F.S.R., Novocherkassk, Arsenalmaya ploshchad 15; Dir. Y. I. POTAPENKO.

AU Sugar Research Institute: Kiev; Dir. I. D. GOLOVNIAK.

AU Research Institute of Tea and Subtropical Plants: Makharadze, Anaseuli, Georgia; Dir. V. DZHAKELI.

Y. V. Samoylov Research Institute of Fertilizers and Insectofungicides: Moscow, Leninsky prospekt 55; Dir. V. M. BORISOV.

ARCHITECTURE AND TOWN PLANNING

Central Research and Design Institute for Dwellings: Moscow I-434, Dmitrovskoe shosse 9; f. 1962; Dir. B. RUBANENKO.

V. A. Kucherenko Central Research Institute of Building Constructions: Moscow, Ul. 2-d Institutskaya 6; Dir. NASONOV.

The Arts

Institute of History of Arts: Moscow 103009, Central Kozitskii per. 5; Dir. Yuri Barabash.

Economics, Law and Politics

Moscow State Institute of International Relations: Moscow Ul. Metrostroevskaya 53; Dir. A. A. Soldatov.

Research Institute of Marxism-Leninism: Moscow, 3-d Selskokhozyaistvenny pr. 4; Dir. Acad. P. N. Pospelov.

Medicine

AU Antileprosy Research Institute: Saratov, Ul. Universitetskaya ul. 46; f. 1918; library of 59,000 vols.; Dir. Prof. N. I. Nikolayev; publ. *Problems of Particularly Dangerous Infections* (6 issues a year).

AU Institute of Medical Polymers: Moscow, 1-st Streletskii per. 14/21; Dir. V. P. Perepelkin.

AU Research Institute of Gastroenterology: Moscow, Ul. Pogodinskaya 5; Dir. V. K. Vasilenko.

AU Research Institute of Pharmaceutical Chemistry: Moscow, Ul. Zubovskaya 7; Dir. K. Y. Novitsky.

AU Research Institute of Pharmaceutical Plants: Moscow region, platf. Bittsa; Dir. P. T. Kondratenko.

AU Toxicological Institute: Leningrad, Ul. Kazachya 1; Dir. S. N. Golikov.

Central Apothecary Research Institute: Moscow, Ul. Krasikova 20; Dir. A. I. Tentsova.

Central Research Institute of Epidemiology: Moscow, Ul. Svobody 3-a; Dir. A. Sumarokov.

I. Dzhordania Research Institute of Physiology and Pathology of Woman: Georgian S.S.R., Tbilisi; Dir. D. R. Tsitsishvili.

Institute of Medical Biological Problems: Moscow region, Pushchino-na-Oke; Dir. V. V. Parin.

I. E. Martsinovsky Institute of Medical Parasitology and Tropical Medicine: Moscow, Ul. Pirogovskaya 20; f. 1920; Dir. C. P. Chagin.

A. L. Polenov Neurosurgery Research Institute: Leningrad, Ul. Mayakovskogo 12; Dir. V. M. Ugryumov.

Moscow Research Institute of Psychiatry: Moscow, Ul. Poteshnaya 3; Dir. D. D. Fedotov.

Research Institute of Forensic Medicine: Moscow, Ul. Sadovaya-Triumfalnaya 13; Dir. Prof. V. I. Prozorovsky.

Serbsky Central Scientific Research Institute of Forensic Psychiatry: Moscow, Kropotkinsky per. 23; library of 41,000 vols.; Dir. Prof. G. V. Morozov; publs. *Problemi Sudebnoi Psikhiatrii, Praktika Sudebno-Psikhiatricheskoy Expertisi.*

State Research Institute of Eye Diseases: Moscow K-64, Ul. Sadovaya-Chernogryazskaya 14/19; library of 21,950 vols. and 27,322 periodicals; Dir. K. Trutneva.

State Research Institute of Vitaminology: Moscow, Novyye Cheremushki, kv. 35; Dir. M. I. Smirnov.

Natural Sciences

AU Geological Oil Prospecting Research Institute: Moscow E-275, Shosse Entuziastov 124; f. 1953; library of 30,000 vols.; Dir. S. P. Maksimov; publ. *Trudy*† (Proceedings).

All-Union Geological Research Institute: Vasilyevsky ostrov, Sredny pros. 726, Leningrad.

AU Research Institute of Chemical Reagents and Substances of High Purity: Moscow, Bogorodskii val 3; Dir. V. G. Brudz.

AU Research Institute of Submarine Geology and Geophysics (VNIIMORGEO): 13 Lachplesha St., Riga 50; publs. *Marine Geology and Geophysics, Problems of Quaternary Geology* (irregular).

AU Research Institute of Monocrystals: Ukrainian S.S.R., Kharkov, Prosp. Lenina 60; Dir. V. N. Izvekov.

Arctic and Antarctic Scientific Research Institute: Fontanka 34, Leningrad D-104; Dir. A. Treshnikov.

Baikonur Cosmodrome: c/o U.S.S.R. Academy of Sciences, 14 Leninski prospekt, Moscow.

Central Aerological Observatory: Dolgoprudnaya, Moscow Region.

Central Research Institute for Geodesy, Aerial Photography and Cartography: Gorokhovsky per. 4, Moscow.

Institute of Biophysics: Moscow, Ul. Zhivopisnaya 22; Dir. L. A. Ilyin.

Institute of Experimental Meteorology: Obninsk; Dir. M. A. Petrosyants.

Institute of Geology: Minsk, Leninsky prosp. 66; Dir. V. K. Golubtsov.

Institute of Neustonology: Odessa; Dir. Dr. Y. Zaitser.

Institute of Stable Isotopes: Tbilisi, Saburtalo.

I. V. Kurchatov Institute of Atomic Energy: Moscow, Ul. Kurchatova 46; Dir. Acad. A. P. Alexandrov.

Middle Asian Research Institute of Natural Gas: Tashkent, Ul. Mukimi 98; Dir. U. D. Mamadzhanov.

Pacific Scientific Research Institute of Fisheries and Oceanography (TINRO): Vladivostok, Ul. Leninskaya 20; f. 1925; laboratories of commercial ichthyology, cetacea and pinnipeds, oceanography, commercial invertebrates, commercial marine algae, parasitology of marine animals, commercial fisheries, mechanization of fish processing, technology of fish and marine production, economy; branches at Kamchatka, Sakhalin, Amur (Khabarovsk), Magadan; library of 80,000 vols., 11,000 MSS.; museum (*see* Museums); Dir. Prof. Dr. I. V. Kizevetter; publ. *Izvestia TINRO* (1–3 times a year).

Research Institute of Atomic Reactors: Melekess, Ulyanovsky region, R.S.F.S.R.; Dir. O. Kazachkovsky.

Research Institute of Basic Chemistry: Kharkov, Ul. Dzerzhinskogo 25; Dir. F. M. Kondratyevich.

Research Institute of Introscopy: Moscow, Ul. B. Cheremushinskaya 91-a; Dir. P. K. Oshchepkov.

Research Institute of Mathematical Computing Machines: Erevan, Ul. Komitasa; Dir. F. T. Sarkisyan.

Stars' City (Soviet Space Training Centre): c/o U.S.S.R. Academy of Sciences, 14 Leninski prospekt, Moscow.

Religion, Sociology and Anthropology

Institute of Scientific Atheism: 123268 Moscow D-286, Sadovaya-Kudrinskaya 9; f. 1964; 40 mems.; library of 3,000 vols.; Dir. A. F. Okulov.

Technology

International Centre for Scientific and Technical Information: 125252 Moscow, Ul. Kuusinen 21B; Dir. A. I. Mihailov.

AU Research Institute of the Cellulose and Paper Industry: Leningrad, Institutskii per. 5; Dir. Puzyrev.

AU Research Institute of Electromechanics: Moscow, Khromny tupik 4; Dir. A. G. Iosifyan.

AU Research Insitute of Geophysical Prospecting Methods: Moscow, Ul. Chernyshevskogo 22; Dir. M. K. Polshkov.

AU Research Institute of Gold and Rare Metals: Magadan, Ul. Gagarina 2.

AU Research Institute of Hydrogeology and Geological Engineering: Moscow, B. Ordynka 32; Dir. N. I. Plotnikov.

AU Research Institute of Hydraulic Engineering and Land Reclamation: Moscow, Ul. Pryanishnikova 19; Dir. I. I. KOVALENKO.

AU Research Institute of Marine Fishing Industry and Oceanography: Moscow, Ul. Verchnyaya Krasnoselskaya 17-a; Deputy Dir. P. A. MOISEYEV.

AU Research Institute of Meat Industry: Moscow 109029, Ul. Talalikhina 26.

AU Research Institute of Metallurgical Machine Building: Moscow, Ul. 1-st Gorodskaya 10; Dir. A. I. TSELIKOV.

AU Research Institute of Nonferrous Metals: Kazakh S.S.R., Ust-Kamenogorsk; Dir. L. S. GETSKIN.

AU Research Institute of Oil Refineries: Azerbaijan S.S.R., Baku 25, Telnovaya ul.; f. 1929; theoretical and applied research in oil refining and petrochemistry; 1,200 mems.; library of over 80,000 vols.; Dir. VAGAB S. ALIEV; publ. *Transactions* (annual).

AU Research Institute of Synthetic Fibres: Moscow region, Mytishchi, Ul. Kolontsova 5; Dir. N. MIKHAYLOV.

AU Research Institute of Tobacco and Makhorka: Krasnodar, P. Box 55.

Central Paper Research Institute: Moscow region, Pravdinskii, Ul. Pushkina; Dir. K. A. VEINOV.

Central Research Institute of Automobile Engineering: Moscow, Ul. Avtomotornaya 2; Dir. A. KHLEBNIKOV.

Central Research Institute of Nonferrous Metallurgy: Moscow, Ul. 2-d Baumanovskaya 9/23; Dir. I. GOLIKOV.

Central Scientific Research and Design Institute of Wood Chemical Industry: Gorky, Moskovskoe chaussée 85; f. 1932; library of 153,000 vols.; Dir. P. P. POLYAKOV; publ. *Scientific Works* (annual).

Institute of Complex Transportation Problems: Moscow, Ul. Nizne-Krasnoselskaya 39; Dir. V. I. PETROV.

Institute of Control Sciences: Moscow GSP-312, Profsojuznaja ul. 81; Dir. V. A. TRAPEZNIKOV.

Institute of Engineering Studies: Moscow, Ul. Griboedova 4; f. 1938; research into theory of mechanisms, mechanical engineering, strength of materials, friction, wear and lubrication; Dir. (vacant); publs. *Reports*, *Mashinovedenie* (6 times a year).

G. M. Krzhizhanovsky Power Engineering Institute: Moscow, Leninsky prosp. 19; Dir. D. G. ZHIMERIN.

S. V. Lebedev AU Research Institute of Synthetic Rubber: Leningrad, Ul. Gapsalskaya 18; Dir. I. V. GARMONOV.

Middle Asian Research Institute of Silk Industry: Dzhar-Aryk, Kalinin district, Tashkent region, Uzbek S.S.R.; Dir. M. P. GANIEVA.

Scientific Research Institute for the Refrigeration Industry: Moscow 125422, Ul. Kostyakova 12; Dir. V. F. LEBEDEV.

State Research Institute for Tractors: Moscow, Ul. Verkhnyaya 34; Dir. V. KARGOPOLOV.

State Research Institute of the Nitrogen Industry: Moscow, Ul. Chkalova 50; Dir. N. D. ZAICHKO.

ARCHIVES

All Union and Autonomous Republics, Territories, Regions, National Districts and all large cities and district centres have their respective state archives, which assemble documents of republican and local importance.

Central State Archives of the October Revolution and Higher State Bodies: Moscow, Bolshaya Pirogovskaya ul. 17; documents of higher bodies of the R.S.F.S.R. (1917–23) and the U.S.S.R. (1923–), documents of the trade unions and other public organizations of All-Union importance, documents of the central administration of the political police of Tsarist Russia (19th century–1917); Dir. S. T. PLESHAKOV.

Central State Archives of the R.S.F.S.R.: Moscow, Berezhkovskaya nab. 26; documents of higher state bodies of the R.S.F.S.R., courts and procurators' offices, state organizations and institutions at the Republican level, public, scientific and other organizations of the Russian Federation; Dir. F. I. SHARONOV.

Archives of the U.S.S.R. Academy of Sciences: Moscow, Leninsky prospekt 4; Dir. B. B. LEVSHIN.

Central State Archives of the Soviet Army: Moscow, Bolshaya Pirogovskaya ul. 17; documents of military authorities of the R.S.F.S.R. and the U.S.S.R., of the military areas, detachments, units and establishments of the Soviet Army and Frontier Guards (1918–40); Dir. P. M. KEVDIN.

Central State Archives of Documentary Films and Photographs of the U.S.S.R.: Moscow Region, Krasnogorsk, Ul. Rechnaya 1; topical films, newsreels and historical material which was not included in finished films, negatives of documentary photographs (1854–); Dir. O. N. TYAGUNOV.

Central State Archives of the U.S.S.R. National Economy: Moscow, Bolshaya Pirogovskaya ul. 17; documents of the U.S.S.R. state bodies in charge of management of industries, agriculture, transportation, communication, construction and of central bodies of financing, planning and statistics (1917–); Dir. A. G. FEDOROV.

Central State Historical Archives of U.S.S.R.: Leningrad, Naberezhnaya Krasgnogo Flota 4; documents of central state bodies of the Russian Empire, state and private banks, railways, industrial, trade and other companies; private collections of prominent political and public figures, etc. (19th century–1917); Dir. I. N. FIRSOV.

Central State Archives of Ancient Acts: Moscow, Bolshaya Pirogovskaya ul. 17; annals, charts of grand dukes and independent princes, legal documents of Early Russia (11th–15th centuries), documents of central and local Russian institutions (16th–18th centuries), personal and patrimonial archives of nobility and gentry, archives of church establishments and the largest monasteries of Russia; Dir. M. I. AVTOKYATOVA.

Central State Literature and Art Archives of the U.S.S.R.: Moscow, Leningradskoe chaussée 50; f. 1941; documents of prominent Russian and Soviet writers, composers, artists, theatrical and cinema workers; documents of state and public organizations concerned with the arts (mid-18th century–present day); Dir. N. B. VOLKOVA; publ. *Vstrechi s proshlim* (irregular).

Central State Military Historical Archives of the U.S.S.R.: Moscow, 2nd Baumanskaya ul. 3; f. 1819; documents of central and district military administrations and establishments of the Russian Army, private collections of prominent generals, military leaders and historians (end 17th century–1918); Dir. I. G. TISHIN.

Central State Archives of the U.S.S.R. Navy: Leningrad, Ul. Kchalturina 36; documents of central institutions of the Russian pre-revolutionary and Soviet Navy and prominent naval officers (17th century–1940); Dir. I. N. SOLOVYEV.

A. M. Gorky Archives: Moscow, Ulitsa Vorovskogo 25A.

LIBRARIES

In the U.S.S.R., there are 360,000 libraries, including 130,000 public libraries, 60,000 scientific, technical and other specialized libraries, 170,000 school libraries and 7,400 children's libraries. The national library is the V. I. Lenin State Library of the U.S.S.R. in Moscow. Each of the Union Republics and each of the Autonomous Republics has at least one large public library in its principal town. Remote areas are served by travelling libraries.

The All-Union Book Chamber prepares bibliographical descriptions of all books and magazine articles published in the U.S.S.R. and abroad and distributes these materials to all libraries of the country.

Central Libraries of the Soviet Union

State V. I. Lenin Library of the U.S.S.R.: 3 Prospect Kalinina, 101000 Moscow; f. 1862 as the Rumyantsev Library, reorganized in 1925; 28,216,000 books, periodicals and serials; complete files of newspapers in all the 91 languages of the Soviet Union and 156 foreign languages; 345,000 MSS.; 625 archival collections; Department of Rare Books includes incunabula, Aldines, palaeotypes, Elzevirs, specimens of earliest Slavonic printing, rare editions of Russian secular works, etc.; acts as enquiry, loan and reference centre throughout the U.S.S.R., as international book exchange centre and state national book depository, as information centre on culture and arts (f. 1972), as leading research institution in library science, bibliography and history of printing, and as methodological library centre; Dir. Prof. N. M. Sikorsky, D.Phil.; publs. *Trudy* (Proceedings), *Zapiski otdela rukopisej* (Memoirs of the Manuscript Division), *Sovetskoje bibliotekovedenie* (Soviet Library Science), *Sovetskoje bibliotekovedenie i bibliografia za rubezhom* (Soviet Library Science and Bibliography Abroad), etc.

All-Union Geological Library: Leningrad 199026, Sredny pr. 72b; f. 1882; scientific and technical literature; over 1,000,000 books, monographs, periodicals and special maps; Dir. L. P. Tiukina; publ. *Geologicheskaya literatura S.S.S.R.* (Geological Literature of the U.S.S.R.) (annually).

All-Union Patent and Technical Library: 121857 Moscow, Berezhkovskaya nab. 24; f. 1896; the only Soviet library which receives Soviet and all foreign patents; 64,000,000 patent descriptions; Dir. A. N. Morozov.

All-Union State Library of Foreign Literature: 109240 Moscow, Ulyanovskaya 1; f. 1921; 4,138,442 vols. in 132 foreign languages; exchange arrangements with 1,401 libraries, publishing houses and universities in 85 countries; Dir. L. A. Gvishiani.

State Central Library for the Blind: Moscow 113054, Valovaya ul. 29/33; f. 1954; 359,000 vols.; acts as loan centre for special libraries throughout the R.S.F.S.R.; Dir. D. S. Zarkov; publ. *Life of the Blind in the U.S.S.R. and Abroad* (monthly).

State Central Polytechnic Library: Moscow, Politeknichesky proezd 2; f. 1964; 3,000,000 vols. including periodicals; Dir. N. G. Reynberg.

State Central Scientific Medical Library: Moscow, Pl. Vosstania 1/2; f. 1919; 1,700,000 vols. including scientific journals; Dir. Cand. Med.Sc. N. A. Yakunin.

State Central Theatrical Library: 103009 Moscow, Pushkinskaya ul. 8/1; f. 1922; 150,000 vols. on theatrical subjects, 70,000 theatrical magazines, 107,469 illustrations and prints, 632,965 filed cuttings and rare editions of Russian plays of the 18th and 19th centuries; Dir. L. A. Bykovskaya.

State Public Historical Library of the R.S.F.S.R.: 101839 Moscow, Starosadsky per. 9; f. 1938; 2,852,000 vols., including 30,000 in the Department of Rare Historical Books; Dir. K. P. Kuranzeva.

State Public Scientific and Technical Library: 103031 Moscow, Kuznetsky most 12; f. 1958; 10,000,000 books, periodicals and documents; special collections of industrial firms' catalogues, scientific translations, etc.; co-ordinates bibliographical activities of 20,000 technical libraries in U.S.S.R.; Dir. J. I. Tyshkevich.

State M.E. Saltykov-Shchedrin Public Library: Leningrad D-69, Sadovaya ul. 18; f. 1795; 21,500,000 vols., including a large collection of incunabula and MSS.; Dir. L. A. Shilov.

State Libraries of the Union Republics

A. F. Myashnikyan State Public Library of the Armenian S.S.R.: Erevan, Ul. Teroyana 72; f. 1921; over 6,400,000 vols.; Dir. A. M. Tirabyan.

M. F. Akhundov State Public Library of the Azerbaijan S.S.R.: 370601 Baku, Ul. Khagani 29; f. 1923; 3,122,000 vols. including 2,320 periodicals; Dir. K. A. Suleyman-Zade.

V. I. Lenin State Public Library of the Byelorussian S.S.R.: 220636 Minsk, Krasnoarmejskaya ul. 9; f. 1922; over 6,000,000 vols.; Dir. E. N. Cygankov; publs. *Letopis Druku B.S.S.R.*, *Novyja Knigi B.S.S.R.* (both monthly).

F. R. Krentzwald State Public Library of the Estonian S.S.R.: 200103 Tallinn, Raamatukogu pl. 1; f. 1940; over 3,018,000 vols. incl. periodicals; Dir. V. Kuuspere; publ. *Nōukogude Estri raamatukogundus*†.

K. Marx State Public Library of the Georgian S.S.R.: 380007 Tbilisi, Ul. Ketskhoveli 5; f. 1946; 8,000,000 vols.; Dir. A. K. Kavkasidze.

A. S. Pushkin State Public Library of the Kazakh S.S.R.: 480021 Alma-Ata, Prospekt Abaya 14; f. 1931; over 3,458,700 vols.; Dir. N. K. Dauletova.

N. G. Chernyshevsky State Public Library of the Kirghiz S.S.R.: 720873 Frunze, Ul. Ogonbaeva 242; over 3,514,700 vols.; Dir. A. S. Sagimbaeva.

Vilis Lācis State Library of the Latvian S.S.R.: 266437 Riga, Ul. Kr. Barona 14; f. 1919; public scientific library; 4,466,858 vols. including periodicals; Dir. A. A. Deglava; publs. *Vila Lāča Latvijas PSR Valsts Bibliotēka*, *Bibliogrāfija*, *Latviesu Zinatne un Literatura*, *Raksti*† (Latvian and Russian) (irregular).

National Library of the Lithuanian S.S.R.: 232635 Vilnius, Lenin pr. 51; f. 1919; 2,813,700 vols.; Dir. Jonas Baltušis; publ. *Biblioteku Darbas* (monthly).

N. K. Krupskaya State Public Library of the Moldavian S.S.R.: Kishinev 277612, Kievskaya ul. 78-a; f. 1832; national library and principal depository of the Moldavian S.S.R.; largest collection of material on Moldavia; exchange arrangements with libraries and scientific institutions abroad; over 3,000,000 vols.; Dir. P. T. Ganenko.

Firdousi State Public Library of the Tajik S.S.R.: 734711 Dushanbe, Lenina pr. 34; 2,528,700 vols.; Dir. N. Babajanova.

K. Marx State Public Library of the Turkmen S.S.R.: 744000 Ashkhabad, Pl. Karl Marx; f. 1895; 3,491,300 vols.; Dir. D. N. Seitniyazov.

State Public Library of the Ukrainian S.S.R.: 252001 Kiev, Ul. Kirova 1; f. 1866; collection of Ukrainian national books, scientific research centre, international book exchange; 2,051,000 vols.; Dir. V. S. Balich; publ. *Kalendar znamennikh ta pamyatnikh dat* (4 times a year).

Alisher Navoi State Public Library of the Uzbek S.S.R.: 700000 Tashkent, Alleya Narodov 5; f. 1870; 4,157,500 vols.; Dir. D. Tajieva.

Libraries of the Academies of Sciences

Library of the U.S.S.R. Academy of Sciences: Leningrad, Birzhevaya linia 1; f. 1714; 12,789,000 vols.; collections of MSS., incunabula and rare books; acts as enquiry, loan and reference centre for the network of 136 libraries in the Academy's departments and institutes; Dir. Prof. D. V. Ter-Avanesyan.

Institute of Scientific Information on Social Sciences of the U.S.S.R. Academy of Sciences: Moscow 117418, Ul. Krasikova 28/45; f. 1969; sections on philosophy, history, economics, scientific communism theory, law, science of sciences, linguistics, theory of literature; 7,491,000 vols.; Dir. V. A. Vinogradov.

State Public Scientific and Technical Library of the Siberian Department of the U.S.S.R. Academy of Sciences: Novosibirsk-200, Ul. Voskhod 15; f. 1959; 9,974,000 vols.; acts as enquiry, loan, research and co-ordinating centre for 64 Academy institutes located in Siberia and the Far East; Dir. N. S. Kartashov.

Central Library of the Academy of Sciences of the Armenian S.S.R.: 375000 Erevan, Ul. B. Musyana 24; 2,200,000 vols.; Dir. G. N. Ovnan.

Central Library of the Academy of Sciences of the Azerbaijan S.S.R.: 370073 Baku, Prospekt Narimanova 31; about 1,276,000 vols.; Dir. M. M. Gasanova.

J. Kolas Central Library of the Academy of Sciences of the Byelorussian S.S.R.: 220000 Minsk, Leninsky pr. 66; f. 1925; 1,589,000 vols.; Dir. M. P. Strizhonok.

Central Library of the Academy of Sciences of the Estonian S.S.R.: 220000 Tallinn, Bulvar Lenini 10; 2,500,000 vols.; Dir. F. I. Kauba.

Central Library of the Academy of Sciences of the Georgian S.S.R.: 380093 Tbilisi, Ul. Zoi Rukladze 1; 2,279,000 vols.; Dir. S. A. Khaduy.

Central Library of the Academy of Sciences of the Kazakh S.S.R.: Alma-Ata 480591, Ul. Shevchenko 28; over 2,455,000 vols.; Dir. N. B. Akhmedova.

Central Library of the Academy of Sciences of the Kirghiz S.S.R.: Frunze 720000, Bulvar Dzerzhinskogo 30; f. 1954; 584,200 vols.; Dir. D. K. Kolchaeva.

Central Library of the Academy of Sciences of the Latvian S.S.R.: 226000 Riga, Kommunalnaya 4; f. 1524; the oldest library in the U.S.S.R.; 2,174,600 vols., including many MSS., incunabula and rare books; Dir. E. M. Arais.

Central Library of the Academy of Sciences of the Lithuanian S.S.R.: 232000 Vilnius, Ul. K. Pozhelos 2/8; 1,617,000 vols.; Dir. J. I. Marcinkevičius.

Central Library of the Academy of Sciences of the Moldavian S.S.R.: 277612 Kishinev, pr. Lenin 1; f. 1947; 768,000 vols.; Dir. N. K. Sanalath.

Central Library of the Academy of Sciences of the Tajik S.S.R.: 734025 Dushanbe, Pr. Lenina 33; f. 1933; over 500,000 vols.; Dir. Z. M. Shevchenko.

Central Library of the Academy of Sciences of the Turkmen S.S.R.: 744000 Ashkhabad, Ul. Gogolya 15; 800,000 vols.; Dir. A. B. Yazberdyev.

Central Library of the Academy of Sciences of the Ukrainian S.S.R.: 252601 Kiev, Vladimirskaya ul. 62; 7,756,000 vols.; Dir. S. K. Gutjansky.

Central Library of the Academy of Sciences of the Uzbek S.S.R.: Tashkent, Ul. A. Tukaeva 1; f. 1934; about 1,500,000 vols.; Dir. N. G. Umarov.

Libraries of the Other Academies

Central Scientific Agricultural Library of the All-Union Lenin Academy of Agricultural Science: 3 Korpus V. Orlikov per., Moscow 107804; f. 1930; centre for bibliographical information on national and foreign agricultural literature, and for scientific and methodological work of agricultural libraries in the U.S.S.R.; 4,000,000 vols., 3,300 periodicals; Dir. A. M. Bochever; publs. *Selskokhozyaistvennaya literatura SSSR*† (monthly), *Selskoye khozyaistvo*† (monthly), *Byulleten*†, *Subject Bibliographic Lists* (15 titles annually), *Bibliographic Information* (weekly).

Scientific Library of the Academy of Arts of the U.S.S.R.: 199034 Leningrad, Universitetskaya nab. 17; f. 1764; 352,000 vols. on art, architecture, applied and folk arts, including rare 16th and 17th centuries volumes and a notable collection of 18th century works on architecture; Dir. K. N. Odar-Boyarskaya; Moscow Branch: Moscow, Ul. Kropotkina 21; 35,700 vols.; Dir. E. A. Marinova.

Central Library of the Academy of Medical Sciences: Moscow, Baltiyskaya ul. 8; f. 1935; 640,000 vols.; acts as an enquiry, loan, research and guide centre for 42 libraries in the institutes and laboratories of the Academy of Medical Sciences; Dir. G. I. Bakhereva.

K. D. Ushinsky State Scientific Library of the Academy of Pedagogical Sciences: 109017 Moscow, Bolshoi Tolmachevsky per. 3; f. 1925; 2 million units; covers all fields of education and pedagogics; Dir. N. N. Serebrov.

Fine Arts and Museum Libraries

Central Music Library: Leningrad, Ul. Zodchego Rossi 2; contains one of the largest collections in the world of Russian music in MSS., single copies, first editions, etc., 1,500 copies of Russian vaudeville scores, 200 MSS. of ballet scores, and a large collection of opera scores including 1,000 foreign opera; Dir. S. O. Brog.

Library of the All-Union Museum of A. S. Pushkin: Leningrad, Naberezhnaya Moyki; f. 1954; 60,000 vols.; Dir. L. P. Kuzmina.

Library of the Central Museum of the Revolution of the U.S.S.R.: 103050 Moscow, Ul. Gorkogo 21; f. 1924; 287,000 vols., 515,000 periodicals; Dir. N. G. Novikova.

Library of the State Hermitage Museum: Leningrad, Dvortsovaya nab. 34; f. 1762; over 500,000 vols. on painting, sculpture and all branches of graphic arts throughout the centuries; Dir. Makarova.

Library of the State Literature Museum: Moscow, Rozhdestvensky Bulvar 16; f. 1926; collection of 180,000 books, 27,644 periodicals; Russian and foreign works from 16th-20th centuries; letters and autographed works; folklore works; periodical collection; Dir. A. P. Svetlov.

Library of the State Museum of Oriental Arts: 107120 Moscow, Ul. Obukha 16; f. 1918; 50,000 vols.; Dir. V. V. Melnikova; publs. *Scientific reports of the State Museum of Oriental Art*† (annual).

Library of the State A. S. Pushkin Museum of Fine Arts: 121019 Moscow, Ul. Volkhonka 12; f. 1898; over 111,000 vols.; Dir. I. V. Goryaeva.

Library of the State Theatrical A. Bakhrushin Museum: 113054 Moscow, Ul. Bakhrushina 32/12; f. 1894; about 63,000 vols. on theatrical art; Dir. E. K. Chikina.

Library of the L. N. Tolstoy State Museum: Moscow, Kropotkinskaya ul. 11; f. 1911; 120,000 vols.; Dir. A. V. Salomatin.

A. V. Lunarcharsky State Theatrical Library: Leningrad, Ul. Zodchego Rossi 2; f. 1756; 801,000 vols. of plays and works on theatrical subjects, department of French works with first editions of Corneille, Racine and Molière; department of MSS. and letters by Chekhov, Ostrovsky, Turgenev, Nekrasov; department of stage designs by Bakst, Benoit, etc; department of classical and contemporary fiction; Dir. W. V. Pjatkova.

Music Library of the Leningrad Conservatoire: Leningrad, Teatralnaya ploshchad 3; f. 1862; 63,000 vols., including Russian and foreign works on music and the arts, 125,000 scores including 17th-20th century music by Russian and foreign composers; Dir. E. E. SHVEDE.

Music Library of the Leningrad State Philharmonic Society: Leningrad, Ul. Brodskogo 7; f. 1882; over 170,000 scores and books on music, 18,000 engravings, lithographs and paintings of musicians, composers, etc.; over 80,000 newspaper cuttings; Dir. G. L. RETROWSKAJA.

Scientific Library attached to the State Research Institute of Theatre, Music and Cinematography: Leningrad, Isakievskaya pl. 5; f. 1912; 232,000 books on theatre, music, cinematography, history of literature, painting, architecture, philosophy, aesthetics; music section contains nearly all Russian musical literature from Glinka to the present day; six brs.; Dir. N. A. BELOZERTSEVA.

Scientific Library of the State Russian Museum: Leningrad, Inzhenernaya ul. 4; f. 1918; 70,000 vols. on fine arts, history, philosophy; Dir. V. V. ALEXEYEVA.

Scientific Library of the State Tretyakov Gallery: 107017 Moscow, Lavrushinsky per. 10; f. 1899; 210,000 vols.; Dir. A. I. BOLOTOVA.

Scientific S. I. Taneyev Library of the Moscow P. I. Tchaikovsky State Conservatoire: 103871 Moscow, Ul. Gerzena 13; f. 1860; Russian and foreign music and books on music; complete files of many Russian and foreign musical periodicals; *c.* 1,000,000 vols.; Dir. A. F. CHERKASOVA.

UNIVERSITY LIBRARIES

(In alphabetical order by university).

Library of the Altai State University: 656099 Barnaul, Socialistichesky pr. 68; 159,000 vols.; Dir. V. VORONA.

Central Library of the Azerbaijan S. M. Kirov State University: Baku, Ul. Patrice Lumumba 23; 1,700,000 vols.; Dir. K. G. GAZANOV.

Library of the Bashkir State University: 450074 Ufa, Ul. Frunze 32; 780,000 vols.; Dir. E. M. KUCHERBAEVA.

Library of the Byelorussian V. I. Lenin State University: 220080 Minsk, Universitetsky gorodok; 1,377,000 vols.; Dir. I. V. ORECHOVSKAYA.

Library of the Checheno-Ingush State University: 364907 Grozny, Ul. N. Buachidze 34/96; 460,000 vols.; Dir. R. M. NAZARETYANI.

Scientific Library of the Chernovtsy State University: Chernovtsy, Ul. Lesy Ukraini 23; over 1,722,000 vols.; Dir. M. I. DEREVOREZ.

Library of the Chuvash State University: 428015 Cheboksary, Moskovsky pr. 15; 712,000 vols.; Dir. V. P. MAKAROVA.

Library of the Daghestan V. I. Lenin State University: Makhachkala, Ul. Sovetskaya 8; 780,000 vols.; Dir. A. M. SCHAKHSHAEVA.

Scientific Library of the Dnepropetrovsk State University: Dnepropetrovsk, Ul. Liebknechta 3-a; 1,200,000 vols.; Dir. N. A. GAIVORONSKAYA.

Library of the Donetsk State University: 340055 Donetsk, Ul. Universitetskaya 24; 782,000 vols.; Dir. A. N. KHARCHENKO.

Scientific Library of the Erevan State University: Erevan 49, Ul. Mravyana 1; 1,447,000 vols.; Dir. S. N. ARAKELYAN.

Central Library of the Far Eastern State University: 690652 Vladivostok, Okeansky pr. 37/41; 586,000 vols.; Dir. A. G. TRETYAKOVA.

Central Library of the Gorky N. I. Lobachevsky State University: 603091 Gorky, Prospekt Gagarina 23; 1,210,470 vols.; Dir. A. I. SAVENKOV.

Scientific Library of the Irkutsk A. A. Zhdanov University: 664695 Irkutsk, Gagarina Bulvar 24; 3,200,000 vols.; Dir. V. J. LIBE.

Library of the Ivanovo State University: 153377 Ivanovo, Ul. Ermaka 37; 410,000 vols.; Dir. A. N. KRUPPA.

Library of the Kabardino-Balkar State University: 360004 Nalchik, Ul. Chernyshevskogo 173; 738,000 vols.; Dir. Z. D. MIGUCHKINA.

Central Library of the Kazakh S. M. Kirov State University: 480100 Alma-Ata, Sovetskaya ul. 28; 1,111,000 vols.; Dir. D. O. ORAZBAEVA.

Library of the Kalinin State University: 170000 Kalinin, Ul. Sovetskaya 4; 505,800 vols.; Dir. L. T. VOLKOVA.

Library of the Kaliningrad State University: 236040 Kaliningrad obl., Ul. Universitetskaya 2; 364,000 vols.; Dir. M. M. PANCHENKO.

Library of the Kalmuck State University: Elista, Ul. R. Luxemburg 4; *c.* 350,000 vols.; Dir. P. A. DOLINA.

Library of the Karaganda State University: Karaganda, Ul. Kirova 16; 400,000 vols.; Dir. S. M. ZHERZHISOVA.

Scientific N. I. Lobachevsky Library of the Kazan V. I. Ulyanov (Lenin) State University: 420008 Kazan, Ul. Lenina 18; 4,120,000 vols.; Dir. A. S. GURYANOV.

Library of the Kemerovo State University: 650043 Kemerovo, Sovetsky pr. 117; 350,000 vols.; Dir. NAGARA.

Central Scientific Library of the Kharkov A. M. Gorky State University: Kharkov, Pl. Dzerzhinskogo 4; about 3,000,000 vols.; Dir. M. P. KIRYUKHIN.

Scientific Library of the Kiev T. G. Shevchenko State University: 252056 Kiev, Vladimirskaya ul. 58; 2,708,000 vols.; Dir. N. M. NEDOSTUP.

Library of the Kirghiz State University: 720024 Frunze, Ul. Frunze 547; 931,500 vols.; Dir. M. A. ASANBAEV.

Scientific Library of the Kishinev State University: 277003 Kishinev, Ul. Sadovaya 60; 1,385,000 vols.; Dir. A. M. NOVAK.

Library of the Komi State University: 167001 Syktyvkar; 204,000 vols.; Dir. N. F. AKONOVA.

Library of the Krasnoyarsk State University: 660049 Krasnoyarsk, Ul. Maerchaka 6, 166,000 vols.; Dir. V. N. TERSKAYA.

Library of the Kuban State University: 350751 Krasnodar, Ul. K. Libknechta 149; 950,000 vols.; Dir. O. I. TSCHEBANOVA.

Library of the Kuibyshev State University: 443086 Kuibyshev, Ul. Potapova 64/163; 245,000 vols.; Dir. N. I. PARANINA.

Scientific Library of the Latvian State University "Peter Stuchka": 226172 Riga, Bulvar Kommunarov 4; 1,900,000 vols.; Dir. S. S. MALINKOVSKAYA; publ. *Zinātniskie raksti*†, *Trudy Botaniceskogo Sada*†, *monographs*†.

Scientific A. M. Gorky Library of the Leningrad A. A. Zhdanov State University: Leningrad 199164, Universitetskaya nab. 7/9; f. 1819; 5,100,000 vols.; Dir. K. M. ROMANOVSKAYA.

Scientific Library of the Lvov Ivan Franko State University: Lvov, Ul. Dragomanova 5; 2,500,000 vols.; Dir. V. K. POTAICHUK.

Library of the Mordovian State University: 430000 Saransk, Bolshevistkaya ul. 68; 927,000 books; Dir. M. G. SHAVARINA.

Scientific A. M. Gorky Library of the Moscow M. V. Lomonosov State University: 119808 Moscow, Leninskie Gory; 6,629,000 vols., including periodicals; Dir. N. S. AVALOVA.

Library of the North-Ossetian State University: 362000 Orjonikidze, Ul. Vatutina 46; 76,000 vols.; Dir. K. L. KOCHISOV.

Library of the Novosibirsk State University: 630090 Novosibirsk, Akademgorodok; 417,000 vols.; Dir. E. A. Slastnaya.

Scientific Library of the Odessa I. I. Mechnikov State University: Odessa, Ul. Sovetskoy Armii 24; over 2,790,000 vols.; Dir. P. M. Bondarenko.

Library of the Omsk State University: 644077 Omsk, Pr. Mira 55a; 182,000 vols.

Scientific Library of the People's Friendship "Patrice Lumumba" University: 117302 Moscow, Ordzonikidze 3; f. 1960; 663,000 vols.; Dir. A. N. Kruglakovsky.

Central Library of the Perm A. M. Gorky State University (Order of Red Banner of Labour): 614022 Perm, Ul. Genkelya 7; f. 1968; 1,140,000 vols.; Dir. Z. D. Filinykh.

Central Library of the Petrozavodsk University: 185018 Petrozavodsk, Leninsky pr. 33; 627,000 vols.; Dir. V. S. Klodt.

Scientific Library of the Rostov State University: Rostov-on-Don, Pushkinskaya ul. 148; 1,570,000 vols.; Dir. N. K. Pavlova.

Central Library of the Samarkand Alisher Navoi State University: 703004 Samarkand, Bulvar Gorkogo 15; 1,632,000 vols.; collection of ancient oriental literature; Dir. A. A. Abbasova.

Scientific Library of the Saratov N. G. Chernyshevsky State University: Saratov, Universitetskaya ul. 42; 2,580,000 vols.; Dir. V. A. Artisevich.

Library of the Simferopol M. V. Frunze State University: Simferopol 36, Yaltinskaya ul. 4; 776,000 vols.; Dir. A. E. Golts.

Scientific Library of the Tajik V. I. Lenin State University: 734016 Dushanbe, Leninsky pr. 17; 640,000 vols.; Dir. V. K. Suleymanova.

Scientific Library of the Tartu State University: 202400 Tartu, Toomemägi; 3,350,000 vols.; Dir. L. Peep.

Central Library of the Tashkent V. I. Lenin State University: 700095 Tashkent, Vuzgorodok; 2,460,000 vols.; Dir. S. Khalbaev.

Scientific Library of the Tbilisi State University: 380028 Tbilisi, Ul. I. Chavchavadze 1; 2,851,500 vols.; Dir. S. Apakidze.

Scientific Library of the Tomsk V. V. Kuibyshev State University: 634010 Tomsk, Leninsky pr. 34-a; 3,320,000 vols.; Dir. M. I. Serebryakova.

Scientific Library of the Turkmen A. M. Gorky State University: 744014 Ashkhabad, Pr. Lenina 31; about 542,000 vols.; Dir. A. T. Vorobyeva.

Library of the Tyumen State University: 625036 Tyumen, Ul. Volodarskogo 38; 382,000 vols.; Dir. L. P. Kryukova.

Library of the Udmurd State University: 426037 Izhevsk, Krasnogvardeysky pr. 71; 402,000 vols.; Dir. K. V. Kareva.

Scientific Library of the Urals A. M. Gorky State University: Sverdlovsk, Ul. Kuibysheva 48-a; 1,000,000 vols.; Dir. T. D. Vorobyeva.

Scientific Library of the Uzhgorod State University: Uzhgorod, Kremlevskaya ul. 9; 1,160,000 vols.; Dir. J. V. Sabadosh.

Scientific Library of the V. Kapsukas State University of Vilnius: 232633 Vilnius, Ul. Universiteta 3; f. 1570; 3,500,000 vols.; Dir. J. Tornau; publs. *Mokslines bibliotekos metraštis*† (Yearbook of the Scientific Library, in Lithuanian, one every two years), *Manuscripta*†.

Central Library of the Voronezh State University: 394000 Voronezh, Pr. Revolyutsii 24; 1,470,000 vols.; Dir. S. V. Yanu.

Library of the Yakutsk State University: 677891 Yakutsk, Leninsky pr. 33; 429,000 vols.; Dir. Z. A. Ammosova.

Library of the Yaroslavl State University: 150000 Yaroslavl, Ul. Kirova 8/10; 263,000 vols.; Dir. V. A. Doktorova.

Technical Libraries:

Republican Scientific and Technical Library of the Armenian S.S.R.: Erevan-9, Moskovskaya 35; 19,770,000 vols.; Dir. I. S. Akopyan.

Republican Scientific and Technical Library of the Azerbaijan S.S.R.: 330001 Baku, Ul. G. Gadzhieva 3; 9,000,000 vols.; Dir. G. D. Mamedov.

Republican Scientific and Technical Library of the Byelorussian S.S.R.: 220676 Minsk, Ul. K. Marxa 10; 1,200,000 vols. (without patents); Dir. A. N. Znarko.

Republican Scientific and Technical Library of the Estonian S.S.R.: Tallin, Ul. Lomonosova 20; 4,873,000 vols.; Dir. B. L. Usatenko.

G. S. Mikeladze Republican Scientific and Technical Library of the Georgian S.S.R.: Tbilisi-4, Ul. Dzneladze 27; 10,100,000 vols. (without patents); Dir. R. D. Gorgiladze.

Republican Scientific and Technical Library of the Kazakh S.S.R.: 480012 Alma-Ata-12; Ul. Komsomolskaya 73; 9,806,000 vols. (without patents); Dir. V. F. Sadykova.

Republican Scientific and Technical Library of the Kirghiz S.S.R.: 720302 Frunze, Leninsky pr. 106; 5,817,000 vols. (without patents); Dir. S. I. Makarov.

Republican Scientific and Technical Library of the Latvian S.S.R.: Riga, Pl. 17 Iyunya 6; 9,000,000 vols. (without patents); Dir. B. E. Papendik.

Republican Scientific and Technical Library of the Lithuanian S.S.R.: 232634 Vilnius, Ul. Venuolio 6; 9,936,000 vols.; Dir. S. A. Bradaitis.

Republican Scientific and Technical Library of the Moldavian S.S.R.: Kishinev, Ul. Chernyshevskogo 45; 6,542,000 vols., Dir. A. A. Dnestryansky.

Republican Scientific and Technical Library of the Tajik S.S.R.: 734740 Dushanbe, Ul. Aini 14a; 4,700,000 vols. (without patents); Dir. S. D. Masaidova.

Republican Scientific and Technical Library of the Turkmen S.S.R.: Ashkhabad, Pr. Svobody 106; 900,000 vols.; Dir. Z. I. Cherepanova.

State Republican Scientific and Technical Library of the Ukrainian S.S.R.: 252004 Kiev, Ul. Gorkogo 180; 2,285,000 vols. (without patents); Dir. O. M. Seregina.

Republican Scientific and Technical Library of the Uzbek S.S.R.: Tashkent, Pr. Lenina 17; 1,200,000 vols. (without patents); Dir. V. I. Kuzmina.

MUSEUMS AND ART GALLERIES

ART AND ARCHITECTURE

LENINGRAD

Leningrad Municipal Museum: Nab. Krasny Flot 44; f. 1907; contains largest collection of material on the history and practice of city building in the Soviet Union; rare book of 500 drawings of the building of St. Petersburg up to 1836; Dir. L. N. BELOVA.

Museum Palaces and Parks in Pavlovsk: Leningrad region, Pavlovsk, Ul. Revolutsii 20; many examples of Russian garden architecture, sculpture by 18th-century Italian and French masters; paintings; decorations of Russian palaces; Dir. A. J. ZELENOVA.

Museum Palaces and Parks in Petrodvoretz: Petrodvoretz, Leningrad Region; f. 1918; 18th-19th century architecture and landscape gardening; library of 10,000 books; Dir. W. I. KONJUKHOV.

Museum Palaces and Parks in Pushkin: Pushkin, Leningrad Region, Komsomolskaya ul., dom 7; f. 1918; many examples of Russian garden architecture, sculpture by Italian and French masters of the 17th and 18th centuries; Dir. G. E. BELIAEV.

Museum of Sculpture: Pl. A. Nevskogo 1; largest collection of Russian sculpture, collection and care of documents on architecture and town planning; over 150,000 sheets of architectural drawings; Dir. N. H. BELOVA.

State Hermitage Museum: M. Dvortsovaya naberezhnaya 34; f. 1764 as a court museum; opened to public 1852; richest collection in Soviet Union of the art of prehistoric, ancient Eastern, Graeco-Roman and mediaeval times; preserves over 2,500,000 *objets d'art*, including 40,000 drawings, 500,000 engravings; works by Leonardo de Vinci, Raphael, Titian, Rubens and Rembrandt; collection of coins, weapons and applied art; Dir. B. B. PIOTROVSKY.

State Russian Museum: Inzhenernaya 2; opened as an Art Museum in 1898; 306,000 exhibits of Russian art; largest collection of Russian and Soviet sculpture, drawings and art of the 18th and early 19th centuries; collection of Russian coins and medals and children's drawings; Dir. V. A. PUSHKAREV.

Summer Garden and Museum Palace of Peter the Great: 18th-century architecture and sculpture; Dir. K. M. EGOROVA.

MOSCOW

Andrei Rublyov Museum of Ancient Russian Art: Ul. Pryamikova 10; paintings of ancient Moscow; Dir. G. H. BELYAEVA-LORENTS.

A. V. Shchusev Architectural Museum of the State Committee of Building and Architecture: Kalininsky prospekt 5; f. 1934; objects: study, collection, care and popularization of historical architecture, outstanding contemporary work, monumental sculpture and painting; collection and care of documents on architecture and town planning; over 70,000 sheets of architectural drawings; over 300,000 negatives and 400,000 photographs of architectural monuments throughout the world; Dir. V. I. BALDIN; Deputy Dir. E. B. PURISHEV; Curator A. N. LUPOL; Sec. K. V. USACHEVA.

Folk-Art Museum: Ul. Stanislavskogo 7; f. 1885; three sections devoted to (*a*) handicrafts connected with peasant daily life; (*b*) applied arts both ancient and contemporary; (*c*) experimental decorative applied art; about 30,000 exhibits; under the jurisdiction of the R.S.F.S.R. Council of Industrial Co-operative Societies; Dir. N. N. IVANOVA.

State Museum of Ceramics (country-seat Kuskovo): St. Kuskovo; large collection of Russian art, carpets, fabrics, ceramics, etc.; Dir. O. F. BARANOVA.

State Museum of Oriental Art: Ul. Obukha 16; f. 1918; large collection of Middle and Far Eastern art, art of the Soviet Central Asian Republics and Zakavkazie, carpets, fabrics, ceramics, etc.; Dir. V. S. MANIN.

State Pushkin Museum of Fine Arts: Volkhonka 12; f. 1912; about 500,000 items of ancient Eastern, Graeco-Roman, Byzantine, European and American art; numismatics; library of 110,000 vols.; Dir. I. A. ANTONOVA; publ. *Soobstcheniya* (Information).

State Tretyakov Gallery: Lavrushensky per. 10; f. 1856; contains a rich collection of 40,000 Russian icons and works of Russian and Soviet painters, sculptors and graphic artists from the 11th century to modern times; Dir. P. I. LEBEDEV.

STATE CAPITALS

Armenian State Picture Gallery: Ul. Spandaryana 2, Erevan, Armenian S.S.R.; 17,000 works of West European and Soviet artists; Dir. E. ISSAPEKIAU.

Azerbaijan R. Mustafaev State Art Museum: Ul. Chkalova 9, Baku, Azerbaijan S.S.R.; 7,000 exhibits; Dir. Z. M. KYAZIM.

Byelorussian State Art Museum: Ul. Lenina 20, Minsk; f. 1939; 14,000 items of Russian, Byelorussian and foreign art; Dir. ELENA V. ALADOVA.

Estonian State Open Air Museum: Tallinn 200016, Rokka-al-Mare, Vabaõhumuuseumi tee 12; 38,000 exhibits including architectural and ethnographical objects of 18th–20th centuries; Dir. L. H. PAIKEN.

Georgian State Art Museum: Ul. Ketskhoveli 1, Tbilisi, Georgian S.S.R.; Dir. S. Y. AMIRANISHVILI.

Georgian State Museum of Oriental Art: Tbilisi, Ul. Azizbekova 3; large collection of Georgian art, carpets, fabrics, etc.; Dir. G. M. GBISHIANI.

Georgian State Picture Gallery: Pr. Rustaveli 11, Tbilisi, Georgian S.S.R.; Dir. M. A. KIPIANI.

Kazakh T. G. Shevchenko State Art Gallery: Ul. Sovietskaya 22, Alma-Ata, Kazakh S.S.R.; 10,000 exhibits, mainly modern Kazakh artists; Dir. Mrs. PLAKHOTNAYA.

Kiev State Museum of Ukrainian Art: Ul. Kirova 6, Kiev, Ukrainian S.S.R.; 11,000 items; chronological exhibition covering eight centuries; icons, portraits, woodcarvings and paintings from the Middle Ages; Dir. V. F. YATSENKO.

Kiev State Museum of Russian Art: Ul. Repina 5, Kiev, Ukrainian S.S.R.; 10,000 items; Dir. A. T. KNIUKH.

Kiev State Museum of Western and Oriental Art: Ul. Repina 15, Kiev, Ukrainian S.S.R.; 16,000 items; Dir. V. F. OVCHINNIKOV.

Kiev State Sofiysky Museum: Kiev, Ul. Vladimirskaya 24; large collection of sculpture; collection and care of documents on architecture; over 100,000 sheets of architectural drawings; Dir. VALENTINA ACHKASOVA.

Kirghiz State Museum of Fine Art: Ul. Pervomaiskaya 90, Frunze, Kirghiz S.S.R.; 4,000 modern items; Dir. K. N. UZUBALIEVA.

Latvian State Museum of Foreign Fine Arts: Pl. Pionerov 3, Riga, Latvian S.S.R.; 15,000 exhibits; Dir. K. G. ANDREEV.

Lithuanian State Art Museum: Ul. Gorkogo 55, Vilnius, Lithuanian S.S.R.; f. 1941; 70,000 items; Lithuanian art and also Italian, Flemish, German, French and English artists from 16th to 19th centuries; Dir. P. GUDINAS.

Lithuanian State Picture Gallery: Pl. Gediminasa, Vilnius; 12,000 works of Western European and Soviet artists; Dir. V. Pechura.

Moldavian State Art Museum: Ul. Lenina 115, Kishinev, Moldavian S.S.R.; 6,000 exhibits; Dir. M. P. Petrik.

State Museum of Latvian and Russian Art: Gorkogo ul. 10, Riga, Latvian S.S.R.; 42,000 exhibits; Dir. K. G. Andreev.

State Museum Palace of Shirvan-Shakh: Baku, fortress Zamkovaya Gora 76; large collection of weapons, applied art, decorations of Khan palaces.

Tallinn State Art Museum: Kadriorg Palace, Weizenbergi 37, Tallinn 200010, Estonian S.S.R.; f. 1919; 26,000 items; Dir. I. Teder.

Turkmen State Museum of Fine Art: Pr. Svobody 84, Ashkhabad, Turkmenian S.S.R.; 7,000 works of Soviet and West European artists; collection of Turkmenian carpets; Dir. N. Hodzamuhamedov.

Ukrainian Museum of Folk and Decorative Art: Kiev, Ul. Yanvarskogo Vosstaniya 21; f. 1954; 54,834 exhibits from 16th century onward, including wood carvings, embroideries, weaving, ceramics, national costumes, glass, china; library of 3,180 vols.; Dir. V. G. Nagai; publ. *Folk Creative Work and Ethnography*.

Uzbek State Museum of Art: Ul. Gogolya 101, Tashkent, Uzbek S.S.R.; Dir. S. F. Abdullayev.

Other Towns

Altai State Museum of Applied Arts: Barnaul, Ul. Sovietskaya 28, R.S.F.S.R.; large collection of wood carvings, ceramics, national costumes, etc.; Dir. A. E. Najehas.

Alupka Palace Museum: Alupka, Krymskoi obl.; Dir. A. P. Tsarin.

Arkhangelsk State Museum of Fine Arts: Arkhangelsk, Nab. Lenina 79; contains over 25,000 items of ancient North and Western European art; library of 20,000 vols.; Dir. M. V. Mitkevich.

Astrakhan State B. M. Kustodiev Gallery: Astrakhan, Ul. Sverdlova 81; contains a rich collection of works of Russian and Soviet painters, sculptors and graphic artists, etc.

Baussky Art Museum: Bausska, Ul. Padomyu 16, Latvian S.S.R.; 8,000 works of Soviet and Western European artists.

Bryansk State Museum of Soviet Fine Arts: Bryansk, Ul. Gagarina 19, R.S.F.S.R.; Dir. B. F. Faenkov.

Checheno-Ingush Museum of Fine Arts: Grozny, Pr. Revolutsii 26/36; 5,600 exhibits; Dir. S. S. Brodsky.

Chelyabinsk State Picture Gallery: Chelyabinsk, Ul. Truda 92-a, R.S.F.S.R.; 5,000 items; Dir. I. F. Tkachenko.

Chuvash Picture Gallery: Cheboksary, Ul. R. Luksemburg 13; 7,000 exhibits, mainly modern Russian and Chuvash artists; Dir. L. S. Karandaev.

Dagestan Museum of Fine Arts: Makhachkala, Ul. Markova 45; 7,000 exhibits.

Dnepropetrovsk State Art Museum: Ul. Shevchenko 21, Dnepropetrovsk, Ukrainian S.S.R.

Donetsk Museum of Art: Donetsk, Ul. Artema 84, Ukrainian S.S.R.; 3,000 exhibits.

Gorky State Art Museum: Nab. im. Zhdanova 3, Gorky; 6,500 works of Soviet and Western European artists; Dir. B. P. Baturo.

Irkutsk Museum of Art: Irkutsk, Ul. K. Marxa 23, R.S.F.S.R.; 2,000 exhibits; Dir. A. D. Fatjyasov.

Ivanovo Museum of Art: Ivanovo, Per. Lenina 33, R.S.F.S.R.; 3,000 modern items; Dir. I. N. Lebedeva.

Kabarda-Balkar Art Museum: Nalchik, Pr. V. I. Lenina 35; 3,500 exhibits; Dir. I. Z. Batashov.

Kalinin Art Gallery: Kalinin 170640, Ul. Sovetskaya 3; f. 1937; 3,500 exhibits; Dir. N. F. Sudarova.

Kaluga Museum of Art: Kaluga, Ul. Lenina 104; 2,700 exhibits; Dir. A. V. Kazak.

Karakalpak Art Museum: Karakalpak A.S.S.R., Nukus, Ul. K. Marxa 2; 1,800 exhibits.

Karelian Museum of Fine Arts: Karelian A.S.S.R., Petrozavodsk, Pr. K. Marxa 8; 9,000 items; Dir. M. V. Popova.

Kaunas M. K. Chiurlenis State Art Museum: Ul. S. Neres 55, Kaunas, Lithuanian S.S.R.; f. 1925; 211,660 items of Lithuanian art and also Russian, French and Italian artists; Dir. P. A. Stauskas; additional branches in Kaunas, Druskininkai and Jurbarkas.

Kharkov State Art Museum: Sovnarkomovskaya ul. 11, Kharkov, Ukrainian S.S.R.; 8,000 pictures including work by leading Ukrainian and Russian artists; Dir. N. P. Robotiagov.

Kirov A. M. Gorky Museum: Kirov, Ul. K. Marxa 70; 4,000 exhibits; Dir. A. H. Noskova.

Kolomya State Museum of Folk Art: Ivanov-Frankivska obl., Teatralnaya ul. 25, Kolomya, Ukrainian S.S.R.

Komi Art Museum: Syktyvkar, Ul. Kommunisticheskaya 6; 3,400 exhibits; Dir. F. K. Popovtsieva.

Komsomolsk-on-Amur Museum of Soviet Fine Arts: Komsomolsk-on-Amur, Pr. Truda 50; 2,500 exhibits; Dir. V. D. Basha.

Kostroma Museum of Fine Arts: Kostroma, Pr. Mira 5; 2,500 items; Dir. V. Y. Ignatev.

Krasnoyarsk Picture Gallery: Krasnoyarsk, Pr. Krasnoyarskogo 68; contains a large collection of Eastern and Siberian art, carpets, fabrics, etc.; library of 70,000 vols.; Dir. V. I. Lomanov.

Kuibyshev Art Museum: 44301 Kuibyshev 10, Kuibyshev Squ., Palace of Culture; f. 1897; fine arts museum with 11,000 exhibits; library of 7,000 vols.; Dir. Anneta Y. Bass.

Kursk Art Gallery: Kursk, Ul. Sovietskaya 3; 4,800 exhibits; Dir. N. D. Vlasova.

Lvov State Museum of Ukrainian Art: Ul. Dragomanova 42, Lvov, Ukrainian S.S.R.; Dir. G. D. Yakushchenko.

Lvov State Picture Gallery: Ul. Stefanika 3, Lvov, Ukrainian S.S.R.; Dir. B. G. Voznitsky.

Minsk State Art Museum: Minsk, Ul. Lenina 20; 6,750 exhibits; Dir. E. V. Aladova.

Mordovian Art Gallery: Saransk, Ul. Sovietskaya 29; 4,000 exhibits.

Odessa Museum of Western and Eastern Art: Ul. Pushkinshaya 9, Odessa, Ukrainian S.S.R.; f. 1920; 5,190 exhibits; Dir. I. I. Kozirod.

Odessa State Picture Gallery: Ul. Korolenko 5, Odessa, Ukrainian S.S.R.; 3,300 items; Dir. O. M. Karpenko.

Omsk Fine Art Museum: Omsk, Ul. Lenina 23; 3,780 exhibits; Dir. A. A. Gerzon.

Orenburg Fine Art Museum: Orenburg, Ul. Pravdy 6; 3,500 items; Dir. L. B. Popova.

Orlovskaya Art Gallery: Orel, Ul. Saltikova-Schedrina 37; 6,000 exhibits; Dir. N. G. Antipov.

State Museum of Palekh Art: Ul. Bakanova 50, selo Palekh, Ivanovsk; 2,500 items of Palekh art; Dir. G. M. Melnikov.

Penza Picture Gallery: Penza, Ul. Bogdanova 1/6; f. 1898; library of 1,400 vols.; 4,700 exhibits.

Perm State Art Gallery: Komsomolsky prospekt 2, Perm.

Poltava Art Museum: Poltava, Ul. Dzerdzhiskogo 11; 2,872 exhibits; Curator SASONOV VALERY.

Rostov Museum of Fine Art: Rostov-on-Don, Ul. Pushkinskaya 115; 5,780 exhibits; Dir. Y. L. RUDNIZKAYA.

Ryazan Regional Art Museum: Ryazan, Kremlin 11; f. 1913; old Russian and Soviet Art; library of 7,500 vols.; Dir. S. M. STEPASHKIN.

Saratov A. N. Radishchev State Art Museum: Pl. Radishcheva 39, Saratov; 15,000 exhibits; Dir. V. G. PUGAYEYEV.

Stavropol Museum of Fine Art: Stavropol, Ul. Dzerzhinskogo 115; 4,270 exhibits; Dir. N. A. KIRAKOZOVA.

Sumy State Art Museum: Ul. Lenina 67, Sumy, Ukrainian S.S.R.; Dir. M. M. KOMAROV.

Sverdlovsk Picture Gallery: Sverdlovsk, Ul. Vainera 11; f. 1746; Western European, Russian and Soviet artists and objects from the Kishisk foundries; Dir. E. V. KHAMTSOV.

Tambov Picture Gallery: Tambov, Ul. Sovietskaya 59; 3,500 exhibits; Dir. A. K. KULAKOVA.

Tartu Art Museum: Tartu, Vallikraavi 14; f. 1940; 10,000 pictures, sculptures and graphic art by Western European, Estonian and Russian artists; Dir. V. TIIK.

Tatar State Museum of Fine Arts: Kazan, Ul. K. Marxa 64; large collections of Russian and Soviet paintings.

Tobolsk Picture Gallery: Tobolsk, Pl. Krasnaya 2; 1,800 items.

Tula Art Museum: Tula, Ul. Engelsa 144; 4,000 exhibits; Dir. S. F. NECHAEVA.

Tyumen Picture Gallery: Tyumen, Ul. Republic 29; 9,000 exhibits; Dir. I. S. TERENTJEV.

Vologda Picture Gallery: Vologda, Pl. Kremlina 3; 6,500 exhibits; Dir. S. G. IVENSKY.

Voronezh Art Museum: Voronezh, Pr. Revolusii 16; 6,900 exhibits; Dir. E. A. REZNIKOVA.

Yakutsk Museum of Fine Arts: Yakutsk, Ul. Maxima Ammosova 14; folk art, Western European, Russian and Soviet Art of 17th to 20th centuries; Dir. L. M. GABYSHEV.

HISTORY AND ETHNOLOGY

LENINGRAD

Central Naval Museum: Leningrad 199164, Pl. Pushkina 4; f. 1709; 174,000 items of relics and other materials from the Russian and Soviet Navies; departments of history of the Russian Navy, history of the Soviet Navy, history of the Navy in the 1941-45 period, history of the Navy in the post-war period; 17,000 vols. in library; Dir. Capt. M. A. FATEEV.

Military Medical Museum of the U.S.S.R. Ministry of Defence: Leningrad F-180, Lazaretny per. 2; f. 1942; 125,000 exhibits trace the history of Russian and Soviet military medicine since 14th century; Dir. Col. V. I. MAKAROV.

Museum of Artillery, Signal Corps and Corps of Engineers: Park Lenina 7; f. 1702 by Peter the Great; 170,000 items; the present museum traces the history of Russian and Soviet artillery, Corps of Engineers and the Signal Corps; Dir. Col. A. A. BUMAGIN.

Museum of the History of Religion and Atheism: 191186 Kazanskaya pl. 2; f. 1932; 150,000 exhibits on religion, sects and denominations, the origin of Christianity and the struggle against religion; includes documents, books, church plate and works of art; Dir. V. N. SHERDAKOV.

Peter the Great Museum of Anthropology and Ethnography: Leningrad B-164, Universitetskaya nab. 3; f. 1714; the 340,000 items provide ethnographical, archaeological, and anthropological material on the native peoples of North and South America, Australia, and Oceania, the Near East, Central and Eastern Asia; Asst. Dir. L. M. SABUROVA; publs. *Sbornik Museya Antropologii i Etnografii* (Catalogue of the Museum of Anthropology and Ethnography, irregular), *Leningrad Vols. I–XXV* (1900–1969).

State Ethnographical Museum of the Peoples of the U.S.S.R.: Inzhenernaya ul. 4/1; 300,000 exhibits covering 19th century to present day; Dir. D. A. SERGEEV.

State Museum of the Great October Socialist Revolution: Ul. Kuibysheva 4; f. 1919; the 310,800 items, which include 204,800 books, show the economic and political background of the Revolution, cover the Civil War and the Second World War and the development of socialism in the U.S.S.R.; Dir. L. A. ULBEYOB.

State Museum of the History of Leningrad: Naberezhnaya Krasnogo Flota 44; f. 1918; the museum contains 300,000 exhibits featuring the architecture and history of Leningrad; the museum has a branch at the Peter and Paul Fortress, showing the history and architectural history of St. Petersburg and the history of Soviet cosmonautics; Dir. L. N. BELOVA.

MOSCOW

Central Lenin Museum: Pl. Revolyutsii 2; f. 1936; contains *c.* 12,500 items including documents, photographs, works of art, and other exhibits relating to Lenin's life and works; Dir. O. S. KRIVOSHEINA.

Annexes of the Central Lenin Museum:

Ulianovsk, Ul. Lva Tolstogo 33.
Leningrad, Ul. Khalturina 5/1.
Kiev, Vladimirskaya ul. 57.
Tbilisi, Pr. Rustaveli 29.
Lvov, Pr. imeni Lenina 20.
Baku, Pr. Neftyanikov 123/a.
Tashkent, Blvd. Lenin 30.

Central Museum of Aviation and Cosmonautics: Moscow, Krasnoarmeyskaya 14; f. 1924; to record the national development of aeronautics and astronautics; contains original full-size aircraft, spacecraft, recovered space exploration vehicles, instruments, flight clothing, accessories of technical, historical and biographical interest; library of 12,000 vols.; Learned Sec. I. P. KOSTIENKO.

Central Museum of the Armed Forces of the U.S.S.R.: Pl. Communy 2; Dir. V. I. KRASNOV.

Central Museum of the Revolution of the U.S.S.R. (Order of Lenin): Ul. Gorkogo 21; f. 1924; 715,000 exhibits trace the history of the revolution in Russia from the 19th century, and the history of Soviet society in the present time; library of 255,000 vols. and 515,000 periodicals; Dir. Mrs. A. I. TOLSTIKHINA; publ. *Trudy* (Proceedings).

M. I. Kalinin State Museum: Prospekt Marxa 21; f. 1950; the 12,500 exhibits trace the life and work of M. I. Kalinin; Dir. L. I. YUSKOVA.

Kremlin Museums: Kremlin; Dir. N. G. NEMIROV.

Armoury: f. 1857; about 80,000 items of applied decorative art from the 12th century onwards.

Kremlin Cathedrals: the cathedrals around the Cathedral Square (Sobornaya ploshchad) include, among others, the following: Cathedral of the Assumption (f. 1479); icons of the 14th–17th centuries; throne of Ivan the Terrible. Cathedral of the Anunciation (f. 1489); iconostasis by leading artists of the 15th century. Archangel Cathedral (1508); tombs of Ivan Kalita and other Russian Grand Dukes and Czars. Rizpolozhensky Cathedral (f. 1485). Cathedral of the Twelve Apostles and Patriarch's Palace; 17th-century items of applied decorative art.

Marx-Engels Museum: Ul. Marxa-Engelsa; f. 1962; 2,000 exhibits descriptive of the lives of Marx and Engels; Dir. N. N. IVANOV.

Museum of Frontier Guards: Moscow, Ul. B. Bronnaya 23; 110,000 exhibits featuring the history of Soviet frontier guards.

Museum of the History and Reconstruction of the City of Moscow: Novaya pl. 12; f. 1896; Dir. L. A. YASTRZHEMBSKY.

State Historical Museum: 1/2 Krasnaya Pl.; f. 1872; the only central historical museum in the U.S.S.R.; 3,812,280 exhibits covering Russian history from prehistory to the present; Dir. K. G. LEVIKIN; Sec. N. PANUKHINA; publs. *Trudi GIM*, *Pamjatnikikulturi GIM* (irregular).

OTHER TOWNS

(In alphabetical order by town).

Central State Museum of the Kazakh S.S.R.: Alma-Ata, Park imeni 28, Panfilovtsev; contains 90,000 exhibits featuring the history, and the climatic and physical conditions of Kazakhstan; Dir. R. K. KOSHAMBEKOVA.

Arkhangelsk State Museum: Arkhangelsk, Ul. P. Vinogradova 100; contains 180,000 items featuring the history of the North coast area of the Soviet Union, dating back to ancient times; large collection of sculpture, icons, national costumes; Dir. Y. P. PROKOPIEV.

Central State Museum of the Turkmen S.S.R.: Ashkhabad, Ul. Engelsa 90; 200,000 exhibits tracing the history of the Turkmen people, material from excavations of the Stone Age, Mesolithic Age, Neolithic Kurgans, etc.

Bakhchisarai State Museum of History and Archaeology: Bakhchisarai, Krymskaya Oblast; f. 1917; contains art collections and architectural monuments; the cave towns are world famous; library of 12,000 vols.; Dir. I. I. CHURILOV; publ. *Sovietskaya arkheologiya.*

Museum of the History of Azerbaijan of the Azerbaijan S.S.R. Academy of Sciences: Baku, Ul. Malygina 4; f. 1920; 120,000 exhibits trace the history of the Azerbaijanian people from ancient times; Dir. P. A. AZIZBEKOVA; publ. *Trudy Muzeya Istorii Azerbaijana* (Activities of the Museum of the History of Azerbaijan).

Borodino State Museum—Preserve of Military History: Moskovskaya oblast, Mozhaisk, village of Borodino; f. 1903; research into 1812 campaign, the Battle of Borodino and the 1941–45 war; 4,700 exhibits include material on the Battle of Borodino; library of 7,100 vols.; Dir. EVGENI G. SINITSYN; Curator VLADIMIR E. CHISHOV.

Dneprodzerzhinsk Museum of Town History: Dneprodzerzhinsk, Ukrainian S.S.R.; 80,000 exhibits, relating to the history of the struggle of the Ukrainian people for their independence; special collections of archaeology; an exhibition devoted to the history of the town.

Dnepropetrovsk Historical Museum: Dnepropetrovsk, Ul. K. Marxa 16; 100,000 exhibits tracing the history, economy and culture of Ukrainian people and working class movement.

Tajik Historical State Museum: Dushanbe, Ul. Ayni 31; 90,000 items describing the history, culture and art of the peoples of Tajikistan; library of over 200,000 vols.

State Historical Museum of the Armenian S.S.R.: Erevan, Pl. Lenina; 160,000 exhibits tracing the history of the Armenian people; Dir. M. S. ASRATYAN.

State Historical Museum of the Kirghiz S.S.R.: Frunze, Krasnooktyabrskaya ul. 236; the 20,000 items on display trace the history of Kirghizia from remote times down to the present; Dir. N. M. SEITKAZIEVA.

Stalin Museum: Gori, Georgian S.S.R.; reopened 1965; containing exhibits relating to the life and work of Joseph Stalin.

Gorky Historical Museum: Gorky, Nab. Zhdanova 7; 160,000 exhibits including collections of archaeology, featuring the history of the Central Volga area dating back to ancient times.

Grodno State Historical Museum: Grodno, Ul. Zamkovaya 22; 90,000 exhibits feature the history, economy, science, culture and natural history of the Byelorussian S.S.R.

Kamenets-Podolsk State Historical Museum-Preserve: Kamenets-Podolsk, Khmelnitskaya Oblast, Ul. K. Marxa 20; extensive collection of exhibits relating to the history of the struggle of the Ukrainian people for their independence; Dir. K. G. MIKOLAIOVICH.

Kaunas State Historical Museum: Kaunas, Ul. Donelaitis 64; f. 1921; 127,459 exhibits including special collections of archaeology, numismatics and weaponry and an exhibition devoted to the history of Lithuania; library of 5,510 vols.; Dir. A. Y. KVEDARAS.

State Museum of the Tatar A.S.S.R.: Kazan, Ul. Lenina 2; f. 1894; over 500,000 exhibits on the history, life, natural resources, and art of the Tatar A.S.S.R.; library of 5,090 vols.; Dir. V. M. DIAKONOV; publ. *Sbornik nauchnikh rabot* (once every two years).

Tatar Historical Museum (house of V. I. Lenin): Kazan, Ul. Ulyanova 58; 10,000 exhibits including documents, photographs, works of art and other exhibits relating to Lenin's life.

Kerch State Historico-Archaeological Museum: Kerch, Krymskaya oblast, Ul. Sverdlova 22; material from excavations of the stone age, mesolithic, neolithic, Kurgan, dark ages and mediaeval periods and an exhibition of the history of Kerch from the 19th century; Dir. N. I. LITVINENKO.

Kharkov State Historical Museum: Kharkov, Universitetskaya ul. 10; contains 176,000 exhibits on the history of the revolutionary and working class movement; Dir. N. A. VOYEVODIN.

Khorezm Historical-Revolutionary Museum: Khiva, Ul. Lermontova 41, Uzbek S.S.R.; 25,000 exhibits relating to the history of the struggle of the Uzbek people for independence.

Kiev-Pechersky State Historical Museum: Kiev, Ul. Yanvarskogo Vosstaniya 21; one of the oldest monasteries in the U.S.S.R.; large collection of icons.

Kiev State Historical Museum: Kiev, Vladimirskaya 2; the 53,000 exhibits tracing the history, economy and culture of the Ukrainian people from the earliest times; Dir. I. E. DUDNIK.

Suvorov Museum: Novogorodskaya Region, Boroviansky district, village of Konchanskoye-Suvorovskoye; the museum features the main periods in the life of A. V. Suvorov; Dir. V. P. MALYSHEVA.

Kutaissi State Museum of History and Ethnography: Kutaissi, Ul. Tbilisi 1; 10,000 items provide ethnographical, archaeological and anthropological material on the native peoples of Georgia; large collection, featuring the history and the climatic and physical conditions of Georgia; Dir. M. V. NIKOLISHVILI.

Latvian Open-Air Ethnographical Museum: Riga; the 47 wooden structures from all over Latvia collected on the museum grounds demonstrate Latvian art and architecture; Dir. A. N. NESTEROVA.

Lvov Museum of Ethnology: Lvov, Pr. Lenina 15; 80,000 items provide ethnographical, archaeological and anthropological material.

State Museum of Ethnography and Arts and Crafts of the Ukrainian Academy of Sciences: Lvov, Pr. Lenina 15; f. 1873; 75,500 exhibits; Dir. Dr. Y. G. Goshko.

Lvov Historical Museum: Lvov, Pl. Rynok 4/6; the 225,000 exhibits trace the history of western Ukraine, from the earliest period to the present time; Dir. A. A. Zhivago.

Maloyaroslavets Museum of Military History of 1812: Maloyaroslavets, Moskovskaya ul. 13; Dir. A. E. Dmitriev.

Byelorussian State Museum of History of World War II: Minsk, Pr. Lenina 23; the 100,000 exhibits show aspects of the Soviet Army's history from 1941 to 1945.

State Museum of the Byelorussian S.S.R.: Minsk, Ul. Marxa 12-k; 206,000 exhibits from primitive communal society to the present day and local natural history; library of 13,200 vols.; Dir. I. P. Zagrishev.

Novocherkassk Museum of the History of the Don Cossacks: Novocherkassk, Ul. Sovetskaya 38; deals with the traditions and exploits of the Don Cossacks; branch at Staro-Cherkassk containing a detailed exhibition on Stepan Razin, the 17th century leader of the peasant liberation movement; Dir. P. I. Molchanov.

Kara-Kalpak Historical Museum: Nukus, Ul. Rakhmatova 3; contains material on the part played by the Uzbek people in the October Socialist Revolution, the civil war and the Second World War.

Odessa Archaeological Museum: Odessa, Ul. Lastochkina 4; f. 1825; contains about 200,000 items featuring the history of the Northern Black Sea Coast area dating back to ancient times; large collection of coins and medals; Dir. I. T. Tchernyakov.

Karelian State Museum of Regional History: Karelian A.S.S.R., Petrozavodsk, Zavodskaya pl. 1; 70,000 exhibits feature the history, economy, science, culture, and natural history of the area; two branches: historical museum of the resort Martsialniye Vody and of petroglyphs at Byelomorsk; Dir. V. Ionova.

Kizhi State Historical Museum: 1 Lenin Square, Petrozavodsk; f. 1961; history, ethnography, early Russian wood architecture; library of 4,000 vols.; Dir. Eonova.

State Museum of the History of Riga: Riga, Palasta 4; f. 1773; material on Riga's archaeology, history and navigation; Dir. L. F. Blumfeld.

Latvian Historical Museum: Riga, Pl. Pionerov 3; material on archaeology, history and ethnography; material on the history of religion and atheism; Dir. A. A. Bullite.

Latvian S.S.R. Revolution Museum: Riga, Ul. Smilshu 20; contains material on the part played by the Latvian people in the October Socialist Revolution, the Civil War and the Second World War; Dir. H. Y. Lapinsh.

P. Stradin Historical-Medical Museum: Riga, L. Paegles ul. 1, Latvian S.S.R.; f. 1957, opened 1961; contains about 100,000 medical objects, photographs, drawings, etc., illustrating the history of the development of medicine from prehistoric times to the present day; library of 40,000 vols., including 3,000 rare medical books of the 16th to the 20th centuries; Dir. M. S. Lebedkova.

Roslavl Historical Museum: Roslavl, Ul. Proletarskaya 63; collection tracing the history, economy and culture of Russian people from the earliest times.

Ryazan Historico-architectural Museum Reservation: Ryazan, Kremlin 118; over 108,000 items describing the history, culture and art of the peoples of Russia.

Museum of Uzbek History, Culture and Arts: Samarkand, Sovetskaya ul. 51; f. 1874; over 100,000 items describing the history, culture and art of the peoples of Uzbekistan; Dir. N. S. Sadykova.

Khersones Museum of History and Archaeology: Sevastopol-28; f. *c.* 1860; includes finds from the excavations of the site of Khersones, a colony of the ancient Greeks; library of 20,000 vols.; Dir. I. A. Antonova.

Novodevichy Monastery Museum: Smolensky Cathedral (1524) and other monuments of Russian architecture form the architectural ensemble of the monastery; Russian fine and decorative art (16th–17th centuries); Dir. V. G. Verzhbitsky.

Stepano-Kert Museum of History of Nagorno-Karabakhskoy A.O.: Stepano-Kert, Ul. Gorkogo 4; collection on the history of the Azerbaijan people; material on archaeology and ethnography.

State Museum of the Abkhasian A.S.S.R.: Sukhumi, Ul. Lenina 22; f. 1915; 100,000 exhibits trace the history of the Abkhasian people; the museum has an annex at the Novo-Afonsky Monastery; Dir. A. A. Argun.

State Historical Museum of the Estonian S.S.R.: Tallinn, Pikkstr. 17; f. 1864; 183,000 exhibits trace the history of the Estonian people from ancient times to the present; Dir. P. Sillaots.

Tallinn City Museum: Tallinn, Vene ul. 17; f. 1937; library of 3,300 vols.; Dir. M. Teder.

Museum of Classical Archaeology of the Tartu State University: Estonia, Tartu, Ülikooli 18; f. 1803; mainly plaster reproductions of ancient sculpture, gems and coins; a few original vases and original graphic works by Western European authors (15th–19th centuries); library of over 12,000 vols.; Dir. O. Utter.

State Ethnographical Museum of the Estonian S.S.R.: Tartu, Ul. N. Burdenko 32; 500,000 exhibits on conditions of work and life of the Estonian and Finno-Ugric people; Dir. A. Peterson.

Tashkent Historical Museum of the People of Uzbekistan: Tashkent, Ul. Kuibysheva 15; 80,000 exhibits on the life of the people of Central Asia, from primitive communal society to the present time.

State Museum of the History of Georgia: Tbilisi, Pr. Rustaveli 3; f. 1852; archaeological material on the history and ethnography of Georgia from ancient times to the present; library of over 204,000 vols.; Dir. N. G. Cherkezishvili; publ. *Izvestia* (Bulletin) (annually).

Tbilisi State Museum of Anthropology and Ethnography: Tbilisi, Pr. Komsomolsky 11; archaeological material on the history and ethnography of Georgia from ancient times to the present; library of over 150,000 vols.; Dir. A. V. Tkeshelashvili.

Tobolsk State Historical Museum: Tobolsk, Pl. Krasnaya 2; exhibits on the history of the Revolution in Siberia.

Trakai Historical Museum: Lithuanian S.S.R., Trakai; f. 1948; the museum has over 20,150 items relating to the history of the city and castle of Trakai and the surrounding areas; Dir. I. V. Misiunene.

Tsessissky State Historical Museum: Tsessiss, Ul. Pils 9; 60,000 exhibits on every stage of history; special archaeological, numismatic and ethnographical collections.

Tula Historical Museum: Tula, Ul. Sovietskaya 68; contains material on the part played by Tula people during the Great October Socialist Revolution.

Uglich Historical Museum: Uglich, Kremlin 3; exhibits on the history of the Russian people.

Vilkovyissky P. I. Bagration Historical Museum: Vilkovyisk, Ul. Bagrationa 10; aspects of Russian Army history from 1812 to 1814; large collection tracing the history of the Russian Army in the 1812 campaign; library of 10,000 vols.

Historico-Ethnographic Museum of the Lithuanian S.S.R.: Vilnius, Ul. Vrublevskio 1; f. 1856; over 150,000 exhibits portray the life of the nation at all stages of its history; special archaeological, numismatic and ethnographical collections; Dir. V. S. Zhilenas.

Museum of the Revolution of the Lithuanian S.S.R.: Vilnius, Ul. K. Pozhelov 32/1; f. 1948; about 70,000 exhibits depicting the revolutionary movement in Lithuania from the end of the 19th century; Dir. A. A. Shvartsev.

State Museum of the Defence of Volgograd: Volgograd, Ul. Gogolya 10; the 60,000 exhibits feature the defence of the city during the Civil War (1918–20) and the Battle of Stalingrad (1942-43); Dir. G. I. Denisov.

Vologodsky Historical Museum: Vologda, Pl. Kremlin 1; collection of Russian applied art, hand-made lace, and exhibition devoted to the history of the North of the Soviet Union.

Yaroslavl State Historical Museum: Yaroslavl, Pl. Podbelskogo 25; over 370,000 exhibits on the history of the Russian people from ancient times to the present; Dir. A. K. Matkeev.

History and Art Museum at Zagorsk: Moscow Region, Zagorsk, the Lavra; f. 1920; the museum consists of most of the buildings of the Troitse-Sergievo Monastery and includes 60,000 items dealing with the development of Russian art from the 17th century to the present; Dir. T. A. Popesku.

LITERATURE AND EDUCATION

Leningrad

Dostoyevsky House-museum: Leningrad 196002, Kuznechny per. 5; f. 1968; the house where the author lived 1878–81; manuscripts, documentary material, memorial items, library of 5,000 vols.; Dir. B. N. Rebalkov.

Literary Museum of the Institute of Russian Literature: (Pushkin House), Nab. Makarova 4; based on the material of the Pushkin Anniversary Exhibition of 1899; contains 95,000 exhibits and over 60,000 items of reference material; seven halls containing permanent exhibitions devoted to Radishchev, Lermontov, Gogol, Dostoyevsky, I. S. Turgenev, and other Russian writers.

Museum attached to the Institute of Russian Literature of the U.S.S.R. Academy of Sciences: Ul. Makarova 4; f. 1905 and reorganized 1930; Dir. B. G. Bazanov.

N. A. Nekrasov House-Museum: Liteiny prospekt 36; f. 1946 in flat where poet lived; exhibits illustrating his life.

Pushkin House-Museum: Naberezhnaya Moiki 12; in the flat where the poet died; under supervision of the Ministry of Culture of the R.S.F.S.R.; Dir. M. N. Pety.

Moscow

A. P. Chekhov House-Museum: Sadovaya-Kudrinskaya 6; f. 1954; flat where the writer lived from 1886-1890; branch of the State Literature Museum.

F. Dostoyevsky Museum: Ul. Dostoyevskogo 2; f. 1928; affiliated to the State Literature Museum; exhibits illustrating Dostoyevsky's life, organized in the flat where he lived until sixteen years old; Dr. Y. Kogan.

N. V. Gogol House Museum: Suvorovsky, Bul. 7; exhibits illustrating life and work of Gogol; library, manuscript room.

A. M. Gorky Memorial Museum: Moscow 121069, 6/2 Kachalov ul.; f. 1965 in the house where the author lived; contains Gorky's private library of 10,000 vols.; Dir. V. B. Kozmin.

A. V. Lunacharsky House Museum: Ul. Vesnina 9/5, kv. 1; the flat where the writer and the first Minister of Public Education and Art lived from 1924 to 1933.

A. S. Pushkin Museum: Ul. Kropotkina 12/2; f. 1957; 77,000 exhibits; library, manuscript room, cinema and lecture hall; ten rooms of permanent exhibitions, with three additional rooms; Dir. A. Z. Krein.

State V. V. Mayakovsky Museum: Serov Lane 3/6; f. 1974 in the building where Mayakovsky lived 1919–30; manuscripts, documentary material, notebooks, memorial items; library and reading room with 76,000 vols., including periodicals; Dir. V. V. Makarov.

State Literature Museum: Pr. Lenina 64; f. 1934; 750,000 exhibits; the museum is a research and educational centre which collects, studies and publishes material on the history of Russian and Soviet literature; Dir. N. V. Shakhalova.

State Museum of N. A. Ostrovsky: 14 Ul. Gorkogo; f. 1940 in the writer's former home; Dir. V. P. Popov.

Tolstoy Residence Museum: Ul. Lev Tolstoy 21; rooms arranged as they were when the author lived there; 4,200 exhibits; Dir. A. V. Salomatin.

L. N. Tolstoy State Museum: 11 Kropotkinskaya ul.; f. 1911; MSS. section contains 170,000 sheets of Tolstoy's writings and nearly 600,000 MSS. and archives material on Tolstoy and his circle; library of 69,500 works by or about Tolstoy; nearly 70,000 newspaper cuttings, and over 42,000 exhibits in the form of painting, sculpture, photographs, etc.; Dir A. V. Salomatin.

Other Towns

(In alphabetical order by town).

Alushta S. M. Sergeyev-Tsensky Literary Museum: Alushta, Ul. Sergeyeva-Tsenskogo 15; the house where the author lived; Dir. T. A. Fefyuza.

Stalsky Memorial Museum of Daghestan A.S.S.R.: Kasumkentsky District, Ashagastal; exhibits on the history of Daghestan literature; library of 20,000 vols.

Baku Museum of Education: Baku, Ul. Chkalova 11; exhibits illustrate the work of schools, institutes, universities, colleges; scientific library of over 50,000 vols.

State Museum of Azerbaijan Literature: Baku, Ul. Kommunisticheskaya 33; 10,000 exhibits on the history of Azerbaijan literature from ancient times to the present; Dir. G. M. Arsaly.

V. G. Belinsky State Museum: Penzenskaya oblast, Belinsky, Ul. Belinskogo 11; f. 1938; 18,000 exhibits on the life and work of the literary critic V. G. Belinsky; Curator Anokhina.

M. Y. Lermontov State Museum: Penzenskaya oblast, Belinsky District, Lermontovo; f. 1939; 7,000 exhibits on the life and work of M. Y. Lermontov; library of 16,000 books; Dir. V. P. Arzamastsev.

Chernigov M. M. Kotsyubinsky Literary Museum: Chernigov, Ul. Kotsyubinskogo 3; f. 1934; 15,000 exhibits on the life and work of Kotsyubinsky; library with 5,000 books; Dir. I. M. Kotsyubinskaya; publs. *Collections*† (every 5 years), Booklets and Guides† (irregular).

Chernovtsy Y. Fedkovicha Memorial Museum: Chernovtsy, Ul. Pushkina 17; f. 1945; collection of materials about the life and work of the famous 19th-century Ukrainian writer; 3,500 exhibits, including portraits, photographs, illustrations of works, books, etc.

State Egishe Charenets Literary Museum: Erevan, Ul. Spandaryana 2; exhibits on the history of Armenian literature (14th–19th centuries); library of 25,000 vols.; Dir. S. H. Meleksetyan.

State A. M. Gorky Museum of Literature: Gorky, Ul. Minina 26; 25,000 exhibits, illustrating the life and work of the writer.

Kazan State A. M. Gorky Memorial Museum: Kazan, Ul. Gorky 10; exhibits illustrating Gorky's life in the flat where he lived and wrote.

Kiev Lesya Ukrainia State Literature Museum: Kiev, Ul. Saksaganskogo 97; exhibits on the life and work of the Ukrainian poets and artists of the 19th century.

Kiev T. G. Shevchenko State Museum: Kiev, Boulevard Shevchenko 12; 21,000 exhibits on the life and work of the Ukrainian poet, artist and revolutionary-democrat, T. G. Shevchenko; Dir. E. P. Doroshenko.

A. M. Gorky Museum: Kirov, Ul. Lenina 82; material on the life and work of contemporary writers of the Urals and Siberia.

Kuibyshev A. M. Gorky Memorial Museum: Kuibyshev, Ul. S. Razina 126; literary museum devoted to the life and work of Gorky; exhibits in the house and furniture which belonged to him.

A. P. Chekhov Memorial Museum: Chekhov District, Melikhovo; the house where the writer lived and worked.

North-Ossetian K. L. Khetagurov Memorial Museum: Ordzhonikidze, Pr. Mira 12; collection of materials on Caucasian poetry and literature.

I. S. Turgenev State Museum: Turgenev Str. 11, Orel 302000; f. 1918; library of 50,000 vols.; Dir. N. M. Kirillovskaya; the museum has three branches:

The House-Museum: f. 1921; Dir. V. B. Borisov.

Museum: Orel, Street of 7th November, 24; f. 1957; devoted to writers born in Orel; Man. I. A. Kostomarova.

Museum of N. S. Leskov: Orel, Ul. Oktjabrskaya 9; f. 1974; Man. R. M. Aleksina.

State Lermontov Literary Memorial Museum: Lermontov's Cottage, Piatigorsk, Lermontovskaya ul. 4; f. 1912; exhibits feature the life and work of M. Y. Lermontov in the Caucasus; library of 12,000 vols.; Dir. P. E. Selegey.

Poltava State Museum: Poltava, Ul. Lenina 2; exhibits of materials on the life and work of the Ukrainian writers P. Mirny, E. Kotlyarevsky, V. G. Korolenko, N. V. Gogol; scientific library of over 80,000 vols.; Dir. M. D. Onipkov.

Pushkin State Preserve: Pskovskaya oblast, Pushkinskiye Gory, Mikhailovskoye P.O.; f. 1922; 10,000 exhibits on the life in exile of the poet; the preserve includes the family lands at Mikhailovskoye, Trigorskoye and Petrovskoye, the ancient towns of Voronich and Savkina Gorka, the Svetororskii monastery and the Uspenskii church containing the grave of Pushkin; Dir. S.S. Geichenko.

All-Union Pushkin Museum: Pushkin town, Komsomolskaya ul. 1; under supervision of the Ministry of Culture; f. 1938 in Moscow; 45,000 exhibits illustrating the life and work of the poet and his epoque; Dir. M. N. Pety.

Annexes: *Lyceum Museum:* Pushkin town, Komsomolsky st. 1; *Country-House Museum:* Pushkin town, Pushkinsky st. 2.

J. Rainis Museum of the History of Literature and Arts: Riga-PDP, 226845 Pionieru lauk 3; f. 1940; compiling, collecting, research, publication and exhibition of materials concerning Latvian literature, theatre, music and cinema; 288,000 exhibits; Dir. M. Vershane; Asst. Dir. S. Geikina; Curator Z. Reiskarte.

Chernyishevsky Memorial Museum: Saratov, Ul. Chernyishevskogo 142; documents about the life and work of the writer.

State A. N. Radizhchev Memorial Museum: Saratov, Ul. Radishcheva 39; 29,000 exhibits illustrating the life of the writer.

T. G. Shevchenko State Memorial Museum: S. Shevchenko; exhibits illustrating Shevchenko's life; manuscripts, documentary material, etc.

Sverdlovsk Bazhov Literary Museum: Sverdlovsk, Pushkinskaya ul. 27; material on the life and work of Mamin-Sibiriak, Bazhov, and contemporary writers of the Urals; Dir. I. I. Kulikova.

A. P. Chekhov Museum: Taganrog, Ul. Chekhova 69; rooms arranged as they were when Chekhov lived there in his childhood.

State Literary Museum of Georgia: Tbilisi, Ul. Djiordjiashivili 8; f. 1929; 150,000 exhibits on the history of Georgian literature (XIX-XX centuries); library of 19,000 vols.; Dir. I. K. Kakabedze.

Leo Tolstoy Museum Estate—Yasnaya Poliana: Tulskaya oblast, Shchekinsky District, village of Yasnaya Poliana; f. 1921; 27,695 exhibits in the house and estate belonging to L. N. Tolstoy; literary museum devoted to his life and work; estate with park grounds and forest; Dir. S. J. Bunin; publ. *Yasnopolyansky Sbornik.*

NATURAL HISTORY

Leningrad

Academy of Sciences Museum of Zoology: Universitetskaya naberezhnaya 1; f. 1832; over 40,000 items describe the origin and evolution of the animal world on earth; Chief D. V. Naumov.

Acad. F. N. Chernyschev Central Scientific Geological and Prospecting Museum: 199026 Leningrad, Vasilievsky ostrov, Sredny pr. 74; f. 1923, opened 1930; about 1,000,000 geological specimens including examples of mineral deposits from all over the Soviet Union; monographic and paleontological collections; popularization of geological knowledge; Dir. P. N. Varfolomeyev.

Dokuchayev Central Soil Museum: Birzhevoi provezd 6; f. 1904; about 5,000 specimens of soil from nearly every soil zone in the world; Dir. Dr. B. F. Aparin.

Mining Museum of the G. V. Plekhanov Mining Institute: Vasilievsky ostrov, 21st linia, 2; f. 1773; over 201,000 items on the history of the mining industry in the 19th and early 20th century; collection of precious and imitation stones; Dir. V. D. Kolomensky.

Museum of the Arctic and the Antarctic: Ul. Marata 24a; 4,000 exhibits; includes documents and the original equipment of all Soviet expeditions to these areas; Dir. I. Yakimovich.

Moscow

D. N. Anuchin Anthropological Institute and Museum: The Institute of Anthropology, Moscow State University, Prospekt Marxa 18; f. 1879; about 300,000 items; anthropology and archaeology of the Stone Age; collections from outstanding Russian explorers of Africa; Monsterien Man from Teshik-Tash and Staroselyie; Mesolithic burials from the Dnieper Region in the Ukraine; library of 30,000 vols.; Dir. Prof. Dr. V. P. Yakimov.

Fersman Mineralogical Museum of the U.S.S.R. Academy of Sciences: Moscow V-71, Leninsky pr. 14–16; f. 1716; 117,000 mineral samples from throughout the world; Dir. Prof. G. P. Barsanov; publ. *New Data about Minerals of the U.S.S.R.* (annual).

Moscow State University Museum of Zoology: Ul. Herzena 6; f. 1791; systematics, speciation, zoogeography, faunistic investigations; library of 100,000 vols.; Dir. Dr. Olga L. Rossolimo; publ. *Proceedings of the Zoological Museum*† (annual).

Museum of Earth Science of the Moscow State M. V. Lomonosov University: Moscow B-234, Leninskie Gory; f. 1955; includes material on the origin of the face of the earth, its geospheres, surface landscape sphere, earth crust, climates, waters, soils, plants, animals, economic resources; on the conservation, utilization and reconstruction of nature; complex geological and geographical characteristics of U.S.S.R. territories and of the earth; science-teaching, geological-geographical museum for students of the Geological, Geographical and Biological-Pedological departments of Moscow University; 10,000 vols. in library; Dir. Prof. B. A. Savelyev, d.sc.; publ. *Zhizn' Zemli* (The Life of the Earth, 1 vol. in 1–2 years).

Museum of the Palaeontological Institute: Leninsky pr. 16; f. 1936; about 8,300 exhibits featuring fossil specimens of fish, amphibians, reptiles and mammals; Dir. B. A. Treofimov.

Ordzhonikidze Mineralogical Museum: Moscow Institute for Geological Prospecting, Pr. Marxa 18; industrial minerals, precious and semi-precious stones; Dir. M. A. Barchanov.

Pavlov Museum of Geology and Palaeontology: The Moscow Institute of Geological Prospecting, Pr. Marxa 18; f. 1755; 300,000 exhibits; illustrates various geological processes; palaeontology of invertebrate and vertebrate animals; problems of palaeobotany; Scientific Chief Prof. Dr. M. V. Mouratov.

State Darwin Museum: Malaya Pirogovskaya ul. 1; illustrates Darwinism and the theory of evolution; Dir. V. N. Ignatieva.

K. A. Timiryazev Apartment Museum: Ul. Granovskogo 2, apart. 29; f. 1942; cultural and historical memorial to K. A. Timiryazev; 7,545 exhibits and archives on his life and work; personal library of 4,871 vols.; Dir. E. V. Polosatova.

Timiryazev State Museum of Biology: Malaya Gruzinskaya 15; about 30,000 exhibits trace the origin and evolution of life on earth; Dir. I. V. Abakermova.

Other Towns

(In alphabetical order by town).

"Belovezhskaya Pushcha" Museum: Byelorussian S.S.R., Brestskaya Region, Belovezhskaya Pushcha (Game Preserve); the museum shows the work being done to preserve the almost extinct European Bison, and to acclimatize other animals in this part of Byelorussia; Dir. V. S. Romanov.

Ilmen Mineral Preserve Museum: Cheliabinsk Region, Miass 1; f. 1920; the museum shows the mineralogical wealth of the Ilmen Preserve, the grounds of which contain almost all the known minerals; library of 17,000 vols.; Dir. V. G. Spiridonov; publ. *Trudy Ilmenskogo Sapovednika.*

V. V. Vakhrushev Ural Geological Museum: Sverdlovsk, Ul. Kuibysheva 30; Dir. N. Korzhov.

Fisheries Museum of the Pacific Scientific Research Institute of Fisheries and Oceanography: Primorsky region, Vladivostok, Leninskaya ul. 20; ichthyology, molocology, crustacea and sea mammals, etc.; 11,000 exhibits of flora and fauna of the Pacific Ocean; Dir. A. G. Kaganovsky.

Meteorological Museum of the Central Geophysical Observatory: Leningrad region, Vsevolozhsky raion, village of Voyeikovo; Dir. A. A. Vasiliev.

SCIENCE AND TECHNOLOGY

Leningrad

A. S. Popov Central Museum of Communications: Ul. Soyuza Sviazi 7; f. 1877; over 4 million items representing the development of all types of communication used in the U.S.S.R.; includes the state postage stamp collection; Dir. B. Sherstniov.

Industrial Exhibition at the House for Dissemination of Scientific and Technical Propaganda: All-Union Association "Znanya", Nevsky pr. 58; features the machine-building and the instrument manufacturing industries of Leningrad.

Leningrad Museum of Railway Transport: Ul. Sadovaya 50; f. 1813; traces the history of railway transport in Russia; includes unique collection of miniature models of engines and carriages; Dir. G. Zakrevskaya.

Moscow

All-Union Permanent Exhibition of Labour Protection: Leninsky pr. 10; features the latest labour protection techniques in industry and transport; Dir. Fartunin.

Pharmaceutical Museum of the Central Drug Research Institute: Krassikova ul. 20; unique collection of about 6,000 items on the history of pharmacy in the U.S.S.R.; Dir. B. M. Salo.

Polytechnical Museum: Novaya pl. 3; f. 1872; about 25,000 exhibits; features history and latest developments in science and technology; belongs to the All-Union Society "Znaniye"; Dir. G. Kozlov.

K. E. Tsiolkovsky State Museum of the History of Cosmonautics: Ul. Korolieva 2, Kaluga; f. 1967; contains K. E. Tsiolkovsky's scientific works, history of rocket technique and cosmonautics, large collection of objects relating to astronautics, aviation and rocket techniques, including the first experimental rockets launched in 1933, the *Sputniks* and *Luniks*; library of 14,970 vols.; Dir. I. Korochentsev.

N. E. Zhukovsky Memorial Museum: Ul. Radio 17; about 25,000 items feature the work of N. E. Zhukovsky, and Soviet contributions to aviation and astronautics; Dir. V. I. Maslov.

Other Towns

Yuri Gagarin Memorial Museum: G. Gagarin, Ul. Gagarin; f. 1970; exhibits depicting the life and career of Yuri Alexeyevich Gagarin, the first man in space; Dir. Zoya Rogozhina.

THEATRE AND MUSIC

Leningrad

Museum of the Academic Maly Theatre of Opera and Ballet: Ploshchad Iskusstv. 1; f. 1935; collection of materials (sketches, posters, etc.) depicting the history of the theatre and its work; Dir. V. Liphart.

Museum of the Gorky Bolshoi Drama Theatre: Ul. Fontanka 65.

Museum of the Kirov Academic Theatre of Opera and Ballet: Teatralnaya Ploshchad.

Permanent Exhibition of Musical Instruments: 5 Isaakievskaya pl.; about 3,000 exhibits, including a large collection of instruments made by the outstanding Russian and foreign craftsmen: Batov, Leman, Nalimov, Krasnoshchiokov, Fiodorov, Amati, Villaume, Tilke and Denner.

Rimsky-Korsakov House-Museum: Tikhuin; f. 1944 in flat where composer was born; exhibits illustrating his life and works.

State Circus Museum: Ul. Fontanka 3; f. 1928; over 90,000 exhibits of plans, sketches, paintings; library of Russian and foreign works; section on 18th and 19th century circus in Western Europe and on Soviet circus; Dir. A. Z. LEVIN.

State Theatrical Museum: Leningrad 191011, Ostrovski Square 6; f. 1918; over 380,000 exhibits depicting the history of Russian, Soviet and foreign theatre; over 21,000 stage designs, 6,700 prints, 700 sculptures, 206,000 photographs, 15,000 MSS. and documents, 55,000 posters and programmes; library of 500,000 vols.; the museum has two subsidiary branches: *Rimsky-Korsakov Museum:* f. 1971; memorial museum in house where the composer lived; and *F. I. Chaliapin Museum:* f. 1975; museum of history of Russian opera, in former house of Chaliapin; Dir. of State Theatrical Museum I. V. YEVSTIGNEYEVA; publs. *Leningradsky Annuae, Monography of M. Petipa* (annual).

Moscow

A. N. Skryabin Museum: 11 Ul. Vakhtangova; f. 1919, opened in 1922 in flat where the composer lived and died; MSS., letters, Skryabin's personal library and magnetic-tape archive of Skryabin's compositions performed by the author and famous artists; excursions, lectures and concerts; 293 vols. in Skryabin's personal library, 2,515 vols. in scientific library; Dir. SHABORKINA.

B. V. Shchukin Museum-Room: Flat 11, Ul. Shchukina 8; contains material he had about him during his lifetime as a great actor at the Vakhtangov Theatre.

Central A. A. Bakhrushin State Theatrical Museum: 31/12 Ul. Bakhrushina; f. 1894; to collect, house, study and exhibit varied materials on history and theory of theatre; approx. 500,000 exhibits; library of 57,000 vols.; archives of original MSS. of Ostrovsky, Lensky, Stanislavsky, etc.; Dir. M. S. KARMANOVA.

Museum of the State Academic Maly Theatre: Maly Theatre Building, Sverdlov pl. 1/6; f. 1932, being developed out of 1927 exhibition; illustrates and studies history of the Theatre; Dir. Y. M. STRUTINSKAYA.

MXAT (Moscow Arts Theatre) Museum: 3A Proezd Khudozhestvenennogo teatra; f. 1922; Dir. P. P. KABANOV.

- **K. S. Stanislavsky Flat-Museum:** affiliated to MXAT Museum; f. 1940; deals with Stanislavsky's work and the theatrical career of People's Artist, M. P. Lilina.
- **V. I. Nemirovich-Danchenko Flat-museum:** No. 5 Ulitsa Nemirovich-Danchenko; f. 1944; illustrating career of Nemirovich-Danchenko.

Obraztsov's Central State Puppet Theatre Museum: Sadovo Samotechnaya ul. 3; f. 1937; over 2,200 exhibits dealing with the history of the puppet theatre; puppet theatres of the Soviet Union and many other countries and the Central Puppet Theatre itself; library of over 4,000 books; Dir. E. KORENBERG.

Permanent Tchaikovsky Exhibition, in the Tchaikovsky Concert Hall: Mayakovsky pl. 20; exhibits of the composer's life and works.

"M. I. Glinka" State Central Museum of Musical Culture: Georgievsky per. 4; f. 1943; based on the Museum of the Moscow Conservatoire; Sections: archives and MSS.; memoria and illustrative materials; musical instruments; library; records and tape recordings—in all, over 500,000 items; Exhibits: musical instruments of the nations of the U.S.S.R. and other countries; Russian classics and Soviet composers; Dir. E. N. ALEXEYEVA.

Tchaikovsky House Museum: Klin; f. 1894; composer's last residence and first Russian musical museum; contains 121,800 documents and museum treasures associated with the life and work of Tchaikovsky and other Russian musicians; *c.* 32,000 vols.; Dir. G. A. SHAMKIN.

U.S.S.R. State Academic Bolshoi Theatre Museum: Bolshoi Theatre Building, Sverdlov pl.; f. 1920; objects: documentation of the work of the Bolshoi Theatre, collection of materials and documents on its history and work, study of history of the theatre; Dir. V. I. ZARUBIN.

U.S.S.R. State Collection of Antique String Instruments: Herzen ul. 13; f. 1919.

Vakhtangov Museum-Room: houses relics connected with life and work of Vakhtangov in his former home.

Vakhtangov Theatre Museum: history of the Vakhtangov Theatre; Dir. I. L. SERGEEVA.

OTHER TOWNS

Museum of Theatre and Music of the Estonian S.S.R.: 12 Müürivahe, Tallinn 200001, Estonian S.S.R.; covers the development of theatrical art and music in Estonia; Dir. M. SAAREPERA; publ. *Eesti NSV Teatribibliograafia* (annually).

Ukrainian State Museum of Theatrical, Musical and Cinematographic Art: Kiev-15, Sichnevoho Povstanya 21/24; 190,000 exhibits; Dir. V. A. KOZIENKO.

UNIVERSITIES

ALTAI STATE UNIVERSITY

656099 BARNAUL,
SOCIALISTICESKI PR. 68

Founded 1973.

Faculties of economics, history, law, chemistry and biology, physics and mathematics; evening and extramural courses.

AZERBAIJAN S.M. KIROV STATE UNIVERSITY

BAKU, UL. PATRICE LUMUMBA 23,
AZERBAIJAN

Founded 1919.

Rector: M. BAGIR-ZADE.
Pro-Rectors: Prof. S. N. EGUBOVA, A. Z. ABDULLAEV, Y. Z. MAMEDOV.
Librarian: K. G. GAZANOV.

Library of 1,200,000 vols.

Number of teachers: 700.
Number of students: 11,000.

Periodical: *Transactions of the Azerbaizhan S. M. Kirov State University* (8 series).

Faculties of History, Journalism, Philology, Oriental Studies, Law, Library Sciences, Mechanics and Mathematics, Physics, Chemistry, Biology, Geology and Geography; Evening and Extra-Mural Departments.

BASHKIR STATE UNIVERSITY OF THE FORTIETH ANNIVERSARY OF THE OCTOBER REVOLUTION

UFA, UL. FRUNZE 32, BASHKIR A.S.S.R.

Founded 1957.

Rector: S. KH. CHANBARISOV.
Pro-Rectors: M. F. GAINULLIN, B. V. AIVAZOV.

Number of teachers: 215.
Number of students: 5,600.

Faculties of history, philology, physics and mathematics, biology, geography, chemistry, foreign languages; evening and extra-mural departments.

BYELORUSSIAN V. I. LENIN STATE UNIVERSITY

MINSK, UNIVERSITETSKY GORODOK,
BYELORUSSIA

Founded 1921.

Rector: Acad. A. N. Sevchenko.
Pro-Rectors: A. Y. Malyshev, S. A. Umreiko, L. V. Volodko.

Number of teachers: 370.
Number of students: 10,000.

Faculties of history, philology, journalism, law, mathematics, physics, chemistry, biology, geography; evening and extra-mural departments.

CHECHENO INGUSH UNIVERSITY

GROZNY, UL. SHERIPOVA 32,
CHECHENO INGUSH A.S.S.R.

Founded 1972.

Rector: M. P. Pavlov.

Faculties of Russian language and literature, Chechen language and literature, Ingush language and literature, Romanov-German languages and literature, history, mathematics, physics, chemistry, biology, geography; evening department.

CHERNOVTSY STATE UNIVERSITY

CHERNOVTSY, UL. KOTSYUBINSKOGO 2,
UKRAINE

Founded 1875.

Rector: K. A. Chervinsky.
Pro-Rectors: Prof. V. P. Rubanic, V. Kurilo.
Librarian: M. I. Derevorez.

Library of 1,600,000 vols.
Number of teachers: 450.
Number of students: 9,000.

Publication: *Scientific University Annual.*

Faculties of history, foreign languages, general engineering; oriental studies, physics and mathematics, chemistry, biology, geography, philology; extra-mural and evening department.

CHUVASH I.N. ULYANOV STATE UNIVERSITY

CHEBOKSARY, MOSKOVSKY PROSPECT 15

Founded 1967.

Rector: Prof. Dr. S. F. Saikin.
Pro-Rectors: Prof. S. A. Abrukov, A. K. Arakelyan.
Librarian: O. I. Danilova.

Library of 200,000 vols.
Number of teachers: 300.
Number of students: 8,000.

Faculties of History and Philology, Chemistry, Physics and Mathematics, Medicine, Economics, Electrical Engineering, Industrial Electrification; Extra-Mural Faculty; Electronic Computing Centre; Evening and Preparatory departments.

DAGHESTAN V. I. LENIN STATE UNIVERSITY

MAKHACHKALA, SOVETSKAYA UL. 8,
DAGHESTAN A.S.S.R.

Founded 1957.

Rector: Prof. A. A. Abilov.
Pro-Rectors: A. A. Magomaev, S. M. Gajiev.

Number of teachers: 450.
Number of students: 8,000.

Periodical: *Transactions.*

Faculties of history, philology, radio engineering, mathematics, chemical technology, physics, biology, foreign languages, civil engineering; evening and extra-mural departments.

DNEPROPETROVSK UNIVERSITY OF THE THREE HUNDREDTH ANNIVERSARY OF THE UNION OF RUSSIA AND THE UKRAINE

DNEPROPETROVSK,
PROSPEKT GAGARINA 72, UKRAINE

Founded 1918.

Rector: Prof. V. I. Mossakovsky.

Pro-Rectors: Prof. Z. S. Dontsova, V. I. Onishchenko, N. S. Knizny.

Librarian: N. A. Gaivoronskaya.

Library of 850,000 vols.
Number of teachers: 700.
Number of students: 13,000.

Faculties of history and philology, mechanics and mathematics, physics, chemistry, biology; extra-mural, preparatory and evening departments.

Attached Institutes:

Institute of Geology.

Institute of Hydrobiology.

DONETSK STATE UNIVERSITY

DONETSK, UL. UNIVERSITETSKAYA 24,
UKRAINE

Founded 1965.

Rector: G. A. Timoshenko.
Pro-Rector: Prof. A. S. Kosmodemiansky.
Librarian: A. N. Kharchenko.

Library of 323,000 vols.
Number of students: *c.* 12,000.

Faculties of economics, philology, physics, mathematics, biology, chemistry, history; evening, extra-mural and preparatory departments.

EREVAN STATE UNIVERSITY

375049 EREVAN, UL. MROVYANA 1, ARMENIA
Telephone: 524629.

Founded 1920; Languages of instruction: Armenian and Russian; Academic year: September to June.

Rector: S. A. Ambartsumian.
Vice-Rectors: G. H. Panosyan (Science); L. G. Lesayan (Education).
Librarian: Mrs. A. N. Makarian.

Number of teachers: 791.
Number of students: 7,738.

Publications†: *Scientific Notes* (3 a year), *Herald* (3 a year), *Young Scientific Worker* (2 a year), *Erevan University* (3 a year), *Student's Scientific Notes* (2 a year), etc.

Deans:

Faculty of Mechanical-Mathematical Sciences: R. A. Alexandrian.
Faculty of Applied Mathematics: R. N. Tonoyan.
Faculty of Physics: B. Y. Toumanian.
Faculty of Radiophysics: Y. L. Vardanian.
Faculty of Chemistry: S. H. Nalchadzian.
Faculty of Biology: M. A. Davtian.

Faculty of Geology: H. H. SARKISIAN.
Faculty of Geography: KH. Y. NAZARIAN.
Faculty of Philology: H. KH. BARSEGIAN.
Faculty of Russian Language and Literature: Mrs. N. N. SARKISOVA.
Faculty of Oriental Studies: Mrs. M. H. COCHAR.
Faculty of History: R. L. MOVSESIAN.
Faculty of Law: A. S. LALAYAN.

FAR EASTERN STATE UNIVERSITY

PRIMORIE AREA, VLADIVOSTOK,
UL. SUKHANOVA 8

Founded 1920.

Rector: Prof. G. A. UNTELEV.
Pro-Rectors: Prof. P. S. DAGEL, A. K. KOROLEV.
Librarian: L. F. SHKILYEVA.

Library of 400,000 vols.

Number of professors and lecturers: 400.
Number of students: 7,000.

Periodical: *Transactions of the Far-Eastern State University.*

Faculties of philology, oriental studies, history and law, physics and mathematics, geophysics, chemistry, biology and soil science; evening, preparatory and extra-mural departments.

ATTACHED RESEARCH INSTITUTION:

Electronic Computer Centre.

GOMEL STATE UNIVERSITY

GOMEL, UL. SOVIETSKAYA 108,
BYELORUSSIA

Founded 1969.

Rector: V. I. BELY.
Pro-Rector: D. A. LEONCHENKO.
Librarian: M. A. DRATSEVICH.

Library of 250,000 vols.
Number of teachers: 250.
Number of students: 5,500.

Faculties of History, Philology, Mathematics, Physics, Biology and Soil Science, Geology, Economics, Physical Culture; Extra-Mural Department.

GORKY N. I. LOBACHEVSKY STATE UNIVERSITY

GORKY, PROSPEKT GAGARINA 23

Founded 1918.

Rector: Prof. A. G. UGODCHIKOV.
Pro-Rectors: Prof. M. M. KOBRIN, A. I. ODNOSEVTSEV, A. N. BARKHATOV.
Librarian: M. N. BOKOV.

Number of teachers: 700.
Number of students: 8,000.
Periodical: *Radiophysics.*

Faculties of history and philology, mechanics and mathematics, physics, computing mathematics and cybernetics, chemistry, biology, industrial economics (evening); and extra-mural departments.

ATTACHED RESEARCH INSTITUTIONS:

Gorky Research Radiophysical Institute.
Physical Engineering Institute.
Chemical Institute.
Institute of Applied Mathematics and Cybernetics.
Botanical Garden.
Zoological Museums.
Biological Station.

GRODNO STATE UNIVERSITY

GRODNO, BYELORUSSIA

Founded 1978; in process of formation. Incorporates the former Grodno Pedagogical Institute, with faculties of history and education; philology, music and singing; physics and mathematics; teacher training.

IRKUTSK A. A. ZHDANOV STATE UNIVERSITY

IRKUTSK, UL. K. MARX 1, GROSNY
CHECHENO-INGUSH A.S.S.R.

Founded 1918.

Rector: Dr. N. F. LOSEV.
Pro-Rectors: Prof. A. V. KALABINA, M. A. KORZUN.

Number of professors and lecturers: 500.
Number of students: 9,000.

Periodicals: *Transactions of the Irkutsk State University, Proceedings of the Biological and Geographical Research Institute, Proceedings of the Physical and Chemical Research Institute, Collected Short Scientific Papers.*

Faculties of history, philology, geography, law, physics, mathematics, chemistry, biology and soil science, geology; evening and extra-mural departments; extra-mural law departments in Chita (Ul. Kalinina 56).

ATTACHED RESEARCH INSTITUTIONS:

Biological and Geographical Research Institute.
Physical and Chemical Research Institute.
Oil and Coal Products Research Institute.
Electronic Computing Centre.
Lake Baikal Biological Station.

IVANOVO STATE UNIVERSITY

153377 IVANOVO,
UL. ERMAKA 37/7, R.S.F.S.R.

Founded 1974.

Faculties of biology and chemistry, economics, history, law, mathematics, philology, physics; evening and extra-mural courses.

KABARDA-BALKAR STATE UNIVERSITY

NALCHIK, UL. CHERNYSHEVSKOGO 173,
KABARDA-BALKAR A.S.S.R.

Founded 1957.

Rector: Prof. K. N. KEREFOV.
Pro-Rectors: B. KH. BALKAROV, G. M. SAPOZHNIKOV.
Librarian: E. D. MIGUCHKINA.

Library: 200,000 vols.
Number of teachers: 400.
Number of students: 8,000.

Publication: *Proceedings.*

Faculties of history and philology, medicine, physics and mathematics, agriculture, engineering, chemistry and biology; evening and extra-mural departments.

KALININ UNIVERSITY

KALININ, UL. URITSKOGO 16/31

Founded 1971.

Rector: V. V. KOMIN.
Pro-Rectors: A. A. SERGEYEV, V. N. NIKOLSKY.

Number of students: 5,500.

Faculties of mathematics, physics, chemistry, philology, history, law; evening and extra-mural departments.

KALININGRAD STATE UNIVERSITY

KALININGRAD, R.S.F.S.R.,
UL. UNIVERSITETSKAYA 23

Founded 1967.

Rector: Prof. A. A. Borisov.
Pro-Rector: F. P. Okhapkin.
Librarian: M. M. Panchenko.

Library of 250,000 vols.
Number of teachers: 200.
Number of students: 4,000.

Publication: *Proceedings.*

Faculties of Physics and Mathematics, History and Philology and Natural Science, Economics and Law.

KALMYK STATE UNIVERSITY

ELISTA, UL. PUSHKINA 11

Founded 1970.

Rector: N. P. Krasavchenko.
Pro-Rector: S. B. Badmaev.

Faculties of general engineering, philology, physics and mathematics, oriental studies, agronomy, zootechnics; evening and extra-mural departments.

KARAGANDA UNIVERSITY

KARAGANDA, UL. KIROVA 16,
KAZAKH S.S.R.

Founded 1972.

Faculties of Kazakh language and literature, Russian language and literature, history, mathematics, physics, chemistry, biology; extra-mural law department.

KAZAKH S. M. KIROV STATE UNIVERSITY

480091 ALMA-ATA, UL. KIROVA 136,
KAZAKH S.S.R.

Founded 1934.

Rector: I. A. Dzholdasbekov.
Pro-Rectors: Y. A. Aubakirov, A. V. Chigarkin, D. O. Orazbaeva.
Librarian: F. I. Medvedchikov.

Library of 800,000 vols.
Number of teachers: 739.
Number of students: 10,286.

Periodical: *Proceedings.*

Faculties, of history, philology, philosophy, geography, law, journalism, mechanics and mathematics, physics, chemistry, biology, geology; evening and extra-mural departments.

KAZAN V. I. LENIN STATE UNIVERSITY

KAZAN, UL. LENINA 18, TATAR A.S.S.R.

Founded 1804.

Rector: Prof. M. T. Nuzhin.
Pro-Rectors: Prof. Sh. T. Khabibulin, L. L. Tuzov.
Librarian: A. S. Guryanov.

Number of professors: 700.
Number of students: 10,000.

Faculties of history and philology, law, mechanics and mathematics, physics, chemistry, biology and soil science, geology, geography; evening and extra-mural departments.

Attached Research Institutions:

N. G. Chebotarev Research Institute of Mathematics and Mechanics.

A. M. Butlerov Research Institute of Chemistry.

Biological Research Institute.

KEMEROVO STATE UNIVERSITY

650043 KEMEROVO,
SOVJETSKY PR. 117, R.S.F.S.R.

Founded 1974.

Faculties of biology, chemistry, economics and law, history, mathematics, philology, physics; extra-mural courses.

KHARKOV A. M. GORKY STATE UNIVERSITY

KHARKOV, PLOSHCHAD DZERZHINSKOGO 4, UKRAINE

Founded 1805.

Rector: V. G. Korotkevich.
Pro-Rectors: V. I. Astakhov, P. Y. Korzh, I. I. Zalubovsky.

Faculties of history, economics, philology, foreign languages, mechanics and mathematics, physics, radio engineering, chemistry, biology, geography and geology; evening and extra-mural departments; faculty of general science in Gorlovka and Slavyansk.

KIEV T. G. SHEVCHENKO STATE UNIVERSITY

KIEV, VLADIMIRSKAYA UL. 64,
UKRAINE

Founded 1834.

Rector: Dr. M. U. Byelyi.

Pro-Rectors: A. T. Pilipenko, A. Z. Zhmudsky.

Library: 1,500,000 vols.
Number of teachers: 120 professors.
Number of students: 20,000.

Publications: *Vestnike Kievskogo Universiteta*, etc.

Faculties of Mechanics and Mathematics, Geography, Physics, Radiophysics, Cybernetics, Chemistry, Biology, Geology, History and Philosophy, Journalism, Law, Philology, International Relations, Economics, Foreign Languages; Evening and Extra-Mural Departments.

Attached Institutes: Physiology of Animals, Astronomical Observatory and two Astronomical Stations, Botanical Garden and two Agro-Biology Stations. Printing and Publishing, Scientific Library, Students' Library, Botanical, Zoological, Geological and Palaeontological Museums, Electronic Computing Centre, Nuclear Centre, Laboratories, etc.

KIRGHIZ STATE UNIVERSITY

FRUNZE, UL. FRUNZE 547, KIRGHIZ S.S.R.

Founded 1951.

Rector: S. T. Tabyshaliyev.
Pro-Rectors: E. Dyisheev, S. S. Pankov.

Number of teachers: 550.
Number of students: 12,000.

Faculties of history, law, philology, foreign languages, economics, geography, physics, mathematics and mechanics, biology, chemistry; evening and extra-mural departments.

KISHINEV V. I. LENIN STATE UNIVERSITY

277003 KISHINEV, UL. SADOVAYA 60,
MOLDAVIAN S.S.R.

Founded 1945.

Languages of instruction: Moldavian and Russian.

Rector: B. E. Melnik.
Pro-Rectors: A. Y. Sitchev, S. A. Panfilov.

Librarian: A. M. NOVAK.

Library of 1,216,000 vols.
Number of teachers: 805.
Number of students: 12,329.

Periodical: *Kishinevsky Universitet* (weekly).

DEANS:

Faculty of Physics: A. S. SIRGYI.
Faculty of Mathematics and Cybernetics: A. I. BALTAG.
Faculty of Chemistry: M. B. BARDIN.
Faculty of Biology and Soil Science: I. I. DEDIU.
Faculty of Foreign Languages: E. A. TKATCHIOVA.
Faculty of Philology: K. A. DOBROVOLSKY.
Faculty of Bibliography: N. G. BRINZILA.
Faculty of History: M. K. SITNIK.
Preparatory Department: I. N. BURLAKU.

ATTACHED INSTITUTES:

Institute of Protein Chemistry: Dir. V. G. KLIMENKO.

Institute of Ether-bearing Plant Biochemistry: Dir. A. G. NIKOLAEV.

Institute of Semiconductor Physics: Dir. A. V. SIMASHKIEVITCH.

Computer Centre: Dir. I. S. TCHEBOTARU.

KRASNOYARSK UNIVERSITY

KRASNOYARSK, UL. MAERCHAKA 6

Founded 1969.

Rector: A. I. OROKIN.
Pro-Rectors: G. E. BELOUSOV, V. M. BOUSAKHIN.

Faculties of history, philology, philosophy, Russian language and literature, agriculture, physics, mathematics, mechanics, chemistry, biology; evening and extra-mural departments.

KUBAN STATE UNIVERSITY

KRASNODAR, UL. SEDINA 4

Founded 1970.

Rector: K. A. NOVIKOV.
Pro-Rectors: G. P. IVANOV, I. P. MITYUK.

Number of students: 9,800.

Faculties of philology, history, physics, mathematics, biology, chemistry, geography, Russian language and literature, foreign languages and literature (English, French, German), economics, law, graphic art, music; evening and extra-mural departments.

KUIBYSHEV UNIVERSITY

KUIBYSHEV, UL. POTAPOVA 67/163

Founded 1969.

Rector: A. I. MEDVEDEV.
Pro-Rector: V. M. GOLOVIN.

Faculties of history, philology, philosophy, physics, mathematics and mechanics, chemistry, biology; preparatory department.

LATVIAN P. STUCHKA STATE UNIVERSITY

RIGA, BULVAR RAYNISA 19, LATVIAN S.S.R.

Founded 1919.

Languages of instruction: Latvian and Russian; Academic year: September to July.

Rector: Prof. Dr. V. O. MILLER.
Vice-Rectors: A. J. VARSLAVĀNS, S. K. GRAUSHINIS, M. I. KLEPERE.
Librarian: I. I. MALINKOVSKAYA.

Number of teachers: 594.
Number of students: 9,000.

Publications: *Zinatniskie Raksti* (Scientific Transactions), *Latvian Mathematical Annual*.

Faculties of history and philosophy, economics, foreign languages, physics and mathematics, chemistry, biology, geography, law, philology; evening and extra-mural departments.

ATTACHED INSTITUTES:

Electronic Computing Centre.

Four research laboratories.

Museum of Zoology.

Botanical Garden.

Astronomical Observatory.

LENINGRAD A. A. ZHDANOV STATE UNIVERSITY (ORDER OF LENIN)

UNIVERSITETSKAYA NAB. 7/9, LENINGRAD B-164

Founded 1819.

Academic year: September to July (two terms).

Rector: Prof. G. I. MAKAROV.
Pro-Rectors: Prof. N. P. PENKIN, Prof. D. A. KERIMOV.
Librarian: K. M. ROMANOVSKAYA.

Number of teachers: 1,700.
Number of students: 20,000.

Publication: *Vestnik Leningradskogeto Universita* (Herald of the Leningrad University).

Faculties of history, economics, applied mathematics, philosophy, psychology, philology, journalism, oriental studies, law, physics, mathematics and mechanics, chemistry, biology and soil science, geology, geography; evening and extra-mural departments.

LVOV IVAN FRANKO STATE UNIVERSITY

LVOV, UNIVERSITETSKAYA UL. 1, UKRAINE

Language of instruction: Ukrainian.

Academic year: September to June.

Founded 1661.

Rector: Prof. H. G. MAXIMOVICH.
Pro-Rectors: G. S. DAVYDOVA, E. I. HLADYSHEVSKY, R. V. LUTSIV.
Librarian: V. K. POTAICHUK.

Library: 2,000,000 vols.
Number of teachers: 700.
Number of students: 13,000.

Publications: *Vestnik Lvovskogo Universiteta* (Herald of the Lvov University, 12 series), *Inozemna Filologiya* (Foreign Philology), *Ukrainske Literaturoznavstvo* (Ukrainian Literature Studies), *Teoreticheskaya Elektrotekhnika* (Theoretical Electrical Engineering), *Mineralogicheskii Sbornik* (Proceedings on Mineralogy), *Paleontologicheskii Sbornik* (Proceedings on Paleontology).

Faculties of history, philology, journalism, foreign languages, law, economics, physics, mechanics and mathematics, chemistry, biology, geology, geography; evening and extra-mural departments.

ATTACHED INSTITUTE:

Institute of Social Science.

MARI UNIVERSITY

IOSHKAR-OLA, PL. LENINA 1, MARI A.S.S.R.

Founded 1972.

Rector: V. I. KOLLA.

Pro-Rector: (vacant).

Faculties of Mari language and literature, Russian language and literature, history, mathematics, physics, chemistry, biology, agrochemistry, zootechnics, economy, management of agriculture.

MORDOVIAN N. P. OGOREV STATE UNIVERSITY

SARANSK, UL. BOLSHEVISTSKAYA 68,
MORDOVIAN A.S.S.R.

Founded 1957.

Rector: A. I. Sukharev.

Number of students: 4,000.

Faculties of history, philology, foreign languages, geography, medicine, physics and mathematics, chemistry and biology, electrical engineering, civil engineering, mechanization of agriculture, agriculture; evening and extra-mural departments.

MOSCOW M. V. LOMONOSOV STATE UNIVERSITY

LENINSKIE GORY, MOSCOW V-234

Telephone: 139-27-39.

Founded 1755.

Rector: Dr. A. Logunov.

Pro-Rectors: Prof. E. M. Sergeyev, Prof. I. A. Khlyabich, Prof. I. M. Ternov, V. I. Tropin, F. M. Volkov.

Librarian: Nina Avalova.

Number of teachers: 3,700, including 618 professors.
Number of students: 28,833.

Publications: *Vestnik Moskovskogo Universiteta* (10 series, annually), *Bulletin Moskovskogo Obshchestva Ispytatelei Prirody* (2 series), *Russkii Jazyk za Rubezhom.*

Deans:

Faculty of Mechanics and Mathematics: Prof. P. M. Ogibalov.
Faculty of Computing Mathematics and Cybernetics: Acad. A. N. Tikhonov.
Faculty of Physics: Prof. V. S. Fursov.
Faculty of Chemistry: Prof. I. V. Berezin.
Faculty of Biology and Soil Science: Prof. G. V. Dobrovolsky.
Faculty of Geography: Prof. A. M. Riabchikov.
Faculty of Geology: Prof. A. A. Bogdanov.
Faculty of History: Prof. U. S. Kukushkin.
Faculty of Philosophy: Prof. M. F. Ovsyannikov.
Faculty of Philology: Prof. A. G. Sokolov.
Faculty of Law: Prof. G. V. Ivanov.
Faculty of Psychology: Prof. A. N. Leontyev.
Faculty of Economy: Prof. M. V. Solodkov.
Faculty of Journalism: Prof. Y. N. Zasursky.
Institute of Oriental Languages: Prof. A. A. Kovalev (Rector).
Faculty for Teachers in Higher Education Institutions: Doc. I. B. Rakobolskaya.
Preparatory Faculty for Foreign Students: Doc. I. I. Potapova.

Attached Institutes:

Institute of Astronomy.

Institute of Mechanics.

Institute of Nuclear Studies.

Institute of Anthropological Studies.

NORTH-OSSETIAN K. L. KHETAGUROV STATE UNIVERSITY

NORTH-OSSETIAN A.S.S.R.,
ORJONIKIDZE, UL. VALUTINA 46

Founded 1969.

Rector: A. K. Gudyev.

Pro-Rector: G. J. Kravchenko.

Faculties of physics and mathematics, philology, chemistry, biology, history, foreign languages, law, economics; extra-mural department.

NOVOSIBIRSK STATE UNIVERSITY

630090 NOVOSIBIRSK, UL. PIROGOVA 2

Telephone: 65-62-44.

Founded 1959; Language of instruction: Russian; Academic year: September to June.

Rector: Prof. V. A. Koptyug.

Pro-Rectors: Prof. N. G. Zagoruiko, Dr. A. S. Marchenko.

Registrar: L. P. Putro.

Librarian: L. G. Torshenova.

Number of teachers: 550.
Number of students: 5,000.

Deans:

Faculty of Geology and Geophysics: Prof. E. E. Fotiadi.
Faculty of Economics: Prof. V. K. Ozerov.
Faculty of Mathematics and Mechanics: Prof. B. A. Rogozin.
Faculty of Physics: Prof. S. G. Rautian.
Faculty of Humanities: Dr. I. A. Moletotov.
Faculty of Natural Sciences: Prof. D. G. Knorre.

ODESSA I. I. MECHNIKOV STATE UNIVERSITY

ODESSA, UL. PETRA VELIKOGO 2, UKRAINE

Founded 1865.

Rector: Prof. A. V. Bogatsky.

Vice-Rectors: D. I. Polishchuk, V. V. Fashchenko, G. A. Teterin, I. E. Sereda.

Librarian: P. M. Bondarenko.

Number of teachers: 800.
Number of students: 12,000.

Faculties of history, philology, foreign languages, law, mechanics and mathematics, physics, chemistry, biology, geography, geology; evening and extra-mural departments.

Attached Institute:

Institute of Physics.

OMSK STATE UNIVERSITY

644077 OMSK, PR. MIRA 55A, R.S.F.S.R.

Founded 1974.

Faculties of humanities, natural sciences, physics; extra-mural courses.

PATRICE LUMUMBA PEOPLE'S FRIENDSHIP UNIVERSITY

3 UL. ORDJONIKIDZE, MOSCOW B-302,
117923 GSP

Telephone: 234-00-11.

Founded 1960 to train African, Asian and Latin-American students.

Self-governing; language of instruction: Russian; academic year: September to July.

Vice-Chancellor and Rector: V. F. Stanis.

Pro-Rectors: K. P. Stayev, Yu. N. Sokolov, A. E. Golubev, G. U. Sharapov.

Number of teachers: 1,600.
Number of students: 7,500 from 96 countries.

Publication: *Drujba* (weekly university newspaper).

DEANS:

Faculty of History and Philology: A. N. KOJIN.
Faculty of Physico-Mathematical and Natural Sciences: N. S. PROSTAKOV.
Faculty of Medicine: D. P. BILIBIN.
Faculty of Engineering: V. D. NESMEYANOV.
Faculty of Economics and Law: B. P. MOZOLIN.
Preparatory Faculty: G. A. FAVSTOV.
Faculty of Agriculture: D. V. RULIKOV.

PERM A. M. GORKY STATE UNIVERSITY

PERM, UL. BUKIREVA 15

Founded 1916.

Rector: Prof. V. P. ZHIVOPISTSEV.
Pro-Rector: Prof. I. A. PECHERKIN.
Librarian: Z. D. FILINYKH.

Number of teachers: 600.
Number of students: 12,000.

Publications: *Uchenie Zapiski Permskogo Gosedarstvennogo Universiteta* (Transactions of the Perm State University), *Izvestiya Estestvennogo Instituta pri Permskom Gosudarstvennom Universitete* (The Journal of Research Institute of Natural Sciences of the Perm State University) (both annually).

Faculties of History, Philology, Law, Economics, Mechanics and Mathematics, Physics, Chemistry, Biology, Geology, Geography.

ATTACHED RESEARCH INSTITUTIONS:

Electronic Computing Centre.
Institute of Natural Sciences.
Institute of Karstology and Speleology.

PETROZAVODSK O. V. KUUSINEN STATE UNIVERSITY

PETROZAVODSK, PROSPEKT LENINA 33,
KARELIAN A.S.S.R.

Founded 1940.

Rector: V. V. STEPHANIKHIN.
Pro-Rectors: Prof. E. A. VESELOV, M. I. SHUMILOV.
Librarian: V. S. KLODT.

Number of teachers: 450.
Number of students: 7,000.

Publications: *Uchenie Zapiski Petrozavodskogo Gosudarstvennogo Universiteta imeni O. V. Kuusinena* (Transactions, 11 series), *Trudi Petrozavodskogo Gosudarstvennogo Universiteta im. O. V. Kuusinena* (Works).

Faculties of history and philology, physics and mathematics, forestry engineering, agriculture, medicine, biology, industrial and civil engineering; evening and extra-mural departments.

ROSTOV STATE UNIVERSITY

ROSTOV-ON-DON, UL. FRIDRIKHA
ENGELSA 105

Founded 1917.

Rector: Prof. Y. A. ZHDANOV.
Pro-Rectors: V. I. SEDLETSKY, V. P. GRIGORJEV.

Number of students: 9,600.

Faculties of philology, philosophy, economics, history, mechanics and mathematics, physics, chemistry, biology and soil science, geology and geography, law; evening and extra-mural departments.

SAMARKAND ALISHER NAVOI STATE UNIVERSITY

SAMARKAND, BULVAR M. GORKOGO 15,
UZBEK S.S.R.

Founded 1933.

Rector: Prof. Acad. A. K. ATAKHODZHAEV.
Pro-Rectors: Prof. M. A. RISH, KH. A. ABDULLAEV.
Librarian: A. A. ABBASOVA.

Number of teachers: 600.
Number of students: 6,500.

Faculties of history, geography, philology, foreign languages, mechanics and mathematics, physics, chemistry, biology, technology and engineering, Uzbek and Tajik philology; evening and extra-mural departments.

SARATOV N. G. CHERNYSHEVSKY STATE UNIVERSITY

SARATOV, ASTRAKHANSKAYA UL. 83

Founded 1909.

Rector: Prof. V. N. SHEVCHIK.
Pro-Rectors: Prof. I. S. KASHKIN, N. P. KUPTSOV.
Librarian: V. A. ARTISEVICH.

Number of teachers: 700.
Number of students: 10,000.

Periodical: *Uchenie zapiski Saratovskogo Gosudarstvennogo Universiteta imeni N. G. Chernyshevskogo* (Transactions).

Faculties of history, philosophy, mechanics and mathematics, physics, chemistry, biology, geology, geography; evening and extra-mural departments.

ATTACHED INSTITUTES:

Electronic Computing Centre.
Institute of Mechanics and Physics.
Institute of Chemistry.
Institute of Geology.

SIMFEROPOL M. V. FRUNZE STATE UNIVERSITY

SIMFEROPOL, UL. YALTINSKAYA 4,
UKRAINE

Founded 1973.

Number of students: 5,500.

Faculties of Russian language and literature, Ukrainian language and literature, history, mathematics and computers, physics, geography, biology; evening department.

SYKTYVKAR STATE UNIVERSITY

SYKTYVKAR, OCTJABRSKY PROSPECT 55,
KOMI A.S.S.R.

Founded 1972.

Faculties of biology, chemistry, mathematics, history, physics, finance and credit, accounts; evening department.

TAJIK V. I. LENIN STATE UNIVERSITY

DUSHANBE, PROSPEKT LENINA 17,
TAJIK S.S.R.

Founded 1948.

Languages of instruction: Tajik and Russian.

Rector: Prof. P. BABADZANOV.
Pro-Rectors: M. NAZARSHOEV, V. I. PRIPISNOV, CH. A. AKHMEDOV, V. G. MELKUMOV.
Librarian: V. K. SULEYMANOVA.

Number of teachers: 750.
Number of students: 13,000.

Faculties of history, Tajik philology, Russian language and literature, law, economics, physics, mechanics and mathematics, chemistry, biology; evening and extra-mural departments.

TARTU STATE UNIVERSITY

TARTU, UL. ÜLIKOOLI 18, ESTONIAN S.S.R.

Founded 1802.

Languages of instruction: Estonian and Russian; Academic year: September to June.

Rector: A. V. KOOP.
Pro-Rectors: Prof. U. PALM, Prof. H. METSA, V. HAAMER, Ü. SAAG.
Scientific Secretary: I. MAAROOS.
Librarian: L. PEEP.

Number of teachers: 690, including 81 professors.
Number of students: 7,200.

Publications: *Transactions of the Tartu State University, Organic Reactivity, Mathematics and the Present Age, Collection of Scientific Transactions.*

DEANS:

Faculty of History: A. LIIM.
Faculty of Philology: Prof. A. KÜNNAP.
Faculty of Mathematics: Prof. U. LUMISTE.
Faculty of Physics and Chemistry: Prof. V. PAST.
Faculty of Biology and Geography: A. LOOG.
Faculty of Law: H. KINGS.
Faculty of Economics: V. KRIŇAL.
Faculty of Medicine: Prof. L. ALLIKMETS.
Faculty of Physical Culture: Prof. A. VIRU.

TASHKENT V. I. LENIN STATE UNIVERSITY

TASHKENT, UNIVERSITETSKAYA,
VUZGORODOK, UZBEK S.S.R.

Founded 1920.

Rector: Acad. M. A. SARYMSAKOV.
Pro-Rectors: Prof. P. L. AZIZOV, E. N. KUTSENKO, S. M. SAMUKHAMEDOV.

Number of teachers: 1,100.
Number of students: 13,000.

Faculties of history, philology, Romance and German philology, oriental studies, law, mechanics and mathematics, physics, chemistry, biology and soil science, geology, geography; evening and extra-mural department.

TBILISI STATE UNIVERSITY

TBILISI, PROSPEKT CHAVCHAVADZE 1,
GEORGIAN S.S.R.

Telephone: 22-96-27.

Founded 1918.

State control; Language of instruction: Georgian, with a Russian section in some faculties; Academic year: September to June.

Rector: Prof. David I. CHKHIKVISHVILI.
Pro-Rectors: Prof. S. M. DZHORBENADZE, Dr. G. A. CHILASHUILI, Dr. A. KINTSURASHVILI.
Chief Administrative Officer: A. I. KHARSHILADZE.
Librarian: S. A. APAKIDZE.

Library of 3,000,000 vols.
Number of professors and lecturers: 1,659.
Number of students: 16,000.

Publications: *Tbilisi University* (weekly), *Proceedings of Tbilisi University* (four issues a year, in two series).

DEANS:

Faculty of Mechanics and Mathematics: Prof. L. GIGIASHVILI.
Faculty of Cybernetics and Applied Mathematics: Dr. R. KORDZADZE.
Faculty of Physics: Prof. T. SANADZE.
Faculty of Chemistry: Dr. S. MIKADZE.
Faculty of Geography and Geology: Dr. N. NACHKEBIA.
Faculty of Biology: Prof. B. LOMSADZE.
Faculty of History: Prof. A. SURGULADZE.
Faculty of Philosophy and Psychology: Prof. G. TEVZADZE.
Faculty of Philology: Prof. O. BAKANIDZE.
Faculty of Western European Languages and Literature: Dr. I. BACHIASHVILI.
Faculty of Oriental Studies: Dr. G. PUTURIDZE.
Faculty of Economics: Prof. G. CHANUKVADZE.
Faculty of Engineering Economics: Dr. V. GABIDZASHVILI.
Faculty of Branch Economics: Dr. N. MESKHI.
Faculty of Commercial Economics: Dr. I. MUDZHIRI.
Faculty of Law: Dr. V. LORIA.
Faculty of Fine Arts: Prof. V. GVAKHARIA.
University Teachers' Training Faculty: Dr. A. ISHKHNELI.
School Teachers' Training Faculty: Dr. D. DZHIKIA.

ATTACHED INSTITUTE:

Institute of Applied Mathematics: Tbilisi, Universitetskaya ul. 2.

TOMSK V. V. KUIBYSHEV STATE UNIVERSITY

TOMSK, PROSPEKT LENINA 36

Founded 1888.

Rector: Prof. A. P. BYCHKOV.
Pro-Rectors: E. S. VOROBEICHIKOV, M. P. KORTUSOV.

Library: over 2,500,000 vols.

Number of students: 10,058.

Faculties of history and philology, law, economics, physics, mechanics and mathematics, chemistry, biology and soil science, geology and geography, radiophysics; evening and extra-mural departments.

TURKMEN A. M. GORKY STATE UNIVERSITY

ASHKHABAD, PROSPEKT LENINA 31,
TURKMEN S.S.R.

Founded 1950.

Rector: Prof. S. N. MURADOV.
Pro-Rectors: G. M. MYALIK-KULIEV, A. A. KURBANOV, T. R. REDZHEPOV.

Number of students: 4,000.

Faculties of philology, foreign languages, history and law, physics and mathematics, biology and geography, economics, physical training; evening and extra-mural departments.

TYUMEN STATE UNIVERSITY

TYUMEN 3, UL. SEMAKOVA 10

Faculties of history and philology, physics and mathematics, chemistry and biology, economics and geography; extra-mural and preparatory departments.

URALS A. M. GORKY STATE UNIVERSITY

SVERDLOVSK, K-83, PROSPEKT LENINA 51

Founded 1920.

Rector: V. A. KUZNETSOV.
Pro-Rectors: B. A. SUTIRIN, A. F. GERASIMOV.
Librarian: TATIANA DMITRIEVNA VOROBYOVA.

Number of teachers: 425, including 32 professors.
Number of students: 6,000.

Publications: *Uchenie Zapiski Uralskogo Gosudarstvennogo Universiteta* (Scientific Reports of the Urals A. M. Gorky State University, several series), *Matematicheskie Zapiski* (Mathematical Reports, annually in four parts).

DEANS:

Faculty of Philosophy: M. N. RUTKEVICH.
Faculty of History: P. K. TARASOV.
Faculty of Philology: A. S. SUBOTIN.
Faculty of Mathematics and Mechanics. Y. M. REPIN.
Faculty of Physics: V. N. KONEV.
Faculty of Chemistry: V. P. KOCHERGIN.
Faculty of Biology: L. A. PODSOSOV.
Faculty of Journalism: V. A. CHICHILANOV.
Department of Extra-Mural Studies: Dir. P. S. TOMILOV.

UDMURD STATE UNIVERSITY

IZHVSK, KRASNOGEROISKAJA UL. 7,
UDMURD A.S.S.R.

Faculties of history, philology, physics and mathematics, biology and chemistry, economics and law, foreign languages, physical training; extra-mural and preparatory departments.

UZHGOROD STATE UNIVERSITY

UZHGOROD, UL. M. GORKOGO 46, UKRAINE

Founded 1945.

Rector: D. V. CHEPUR.
Pro-Rectors: N. A. LAKUZA, S. M. KISHKO.

Number of students: 4,154.

Faculties of philology, history, physics and mathematics, chemistry, biology, medicine, foreign languages evening and extra-mural departments.

V. KAPSUKAS STATE UNIVERSITY OF VILNIUS

VILNIUS, UNIVERSITETO 3,
LITHUANIAN S.S.R.

Founded 1579.

Rector: J. KUBILIUS.
Pro-Rectors: J. GRIGONIS, B. SUDAVIČIUS, A. VYGONTIENĖ, P. EIGMINAS.
Director of the Library: J. TORNAU.

Number of teachers: 1,094.
Number of students: 16,200.

Publications: *Lithuanian Mathematics, Lithuanian Physics, Baltistica, Problems of the History of the Lithuanian C.P., Problems, Economics, Biology, Geography and Geology, History, Law, Linguistics, Literature, Book Science, Bulletin of Vilnius Observatory, Tarybinis Studentas* (Soviet Student, weekly).

DEANS:

Faculty of Mathematics: V. MERKYS.
Faculty of Physics: V. KYBARTAS.
Faculty of Chemistry: A. LEVINSKAS.
Faculty of Natural Sciences: R. TARVYDAS.
Faculty of Medicine: S. PAVILONIS.
Faculty of Philology: J. PIKČILINGIS.
Faculty of History: V. LEŠČIUS.
Faculty of Industrial Economics: P. KIUBERIS.
Faculty of Commercial Economics: L. BUTKEVIČIUS.
Faculty of Finance and Discount: A. ŽILENAS.
Faculty of Law: I. NEKROŠIUS.
Inter-collegiate Faculty (in Kaunas): V. ČESNAVIČIUS.

RESEARCH INSTITUTES:

Research Section; Semiconductor Physics Laboratory; Laboratory of Molecular Acoustics; Laboratory of Atomic and Molecular Spectroscopy; Laboratory of the Pathology of Digestive Organs; Laboratory of Medicament Synthesis; Department of Experimental Surgery of Cardiac Blood-Vessels; Laboratory of Animal and Plant Growth Stimulators; Botanical Gardens; Observatory.

The University also provides specialized training in various fields of national economy and culture of the country.

VORONEZH STATE UNIVERSITY

VORONEZH, UNIVERSITETSKAYA PLOSHCHAD 1

Founded 1918.

Rector: Prof. V. MELESHKO.
Pro-Rectors: P. M. GAPONOV, A. A. GLUKHOV.

Number of teachers: 507.
Number of students: 8,000.

Faculties of history, philology, Romance and German philology, economics, law, mathematics and mechanics, physics, chemistry, biology and soil science, geology, geography; evening and extra-mural departments.

YAKUTSK STATE UNIVERSITY

YAKUTSK, PROSPEKT LENINA 33,
YAKUT A.S.S.R.

Founded 1956.

Rector: I. G. POPOV.
Pro-Rectors: Prof. I. M. BRUNKHAKOV, I. I. KRYLOVA.
Librarian: Z. A. AMMOSOVA.

Number of teachers: 400.
Number of students: 6,000.

Faculties of history and philology, physics and mathematics, biology and geography, medicine, engineering and technology, agriculture; evening and extra-mural departments.

YAROSLAVL UNIVERSITY

YAROSLAVL, UL. SOVIETSKAYA 14

Founded 1971.

Rector: M. V. SRETENSKY.

Pro-Rector: G. E. SABUROV.

Faculties of physics and mathematics, economics, law psychology and biology, history; preparatory departments,

OTHER HIGHER EDUCATIONAL AND RESEARCH INSTITUTES

AGRICULTURE

(1) GENERAL AGRICULTURAL INSTITUTES

All-Union Extra-Mural Agricultural Institute: Moscow Region, Balashikha 8, Poselok Leonovo; f. 1927; depts.: Agrochemistry and Soil Science. Agronomy, Fruit and Vegetable Growing, Viticulture, Zootechnics, Mechanization, Economics and Management, Irrigation, Electrification; library of 260,000 vols.

Altai Agricultural Institute: Barnaul, Krasnoarmeysky prospekt 98; f. 1944; depts.: Agronomy, Veterinary, Mechanization, Economics and Management, Accounting; 340 teachers; 6,500 students; library of 220,000 vols.; Extra-Mural Faculty; Rector E. N. DAVYDOV; publ. *Works of the Altay Agricultural Institute.*

Armenian Agricultural Institute: Erevan, Ul. Teryana 74, f. 1930; depts.: Agrochemistry and Soil Science; Agronomy, Fruit and Vegetable Growing, Viticulture, Plant Protection, Wine Making, Technology of Preserving Industry, Mechanization, Irrigation, Economics and Management, Motor Transport; 300 teachers;

5,000 students; library of 240,000 vols.; Extra-Mural Faculty; Rector A. T. TOVMASYAN.

Azerbaijan Agricultural Institute: Kirovabad, Ul. Azizbekova 222; depts.: Agrochemistry and Soil Science, Agronomy, Fruit and Vegetable Growing, Viticulture; Zootechnics, Veterinary, Silkworm Breeding, Mechanization, Electrification, Economics and Management, Accounting; library of 200,000 vols.; Extra-Mural Faculty; Rector N. A. SAFAROV.

Bashkir Agricultural Institute: Ul. 50 Letiya Oktyabrya, Ufa, Bashkir A.S.S.R.; depts.: Agronomy, Zootechnics, Economics, Mechanics; 260 teachers; 5,300 students; library of 150,000 vols.; Extra-Mural Faculty; Rector N. R. BAKHTZIN; publ. *Works of the Bashkir Agricultural Institute.*

Belotserkovsky Agricultural Institute: Belaya Tserkov, Kievskaya obl., Pl. Svodoby, 8/1; f. 1920; faculties: Agronomy, Veterinary Science; Zootechnics; Rector Prof. N. S. PALAMAR; publ. *Naychnye Zaniski* (Scientific Notes).

Blagoveshchensk Agricultural Institute: Amur Region, Blagoveshchensk, Politeknicheskaya ul. 86; f. 1950; depts.: Agronomy, Zootechnics, Veterinary, Accounting, Mechanization; library of 160,000 vols.; Extra-Mural Faculty; Rector E. V. BLINNIKOV; publ. *Works of the Blagoveshchensk Agricultural Institute.*

Buryat Agricultural Institute: Ulan-Ude, Ul. Pushkina 16; depts.: Agronomy, Zootechnics, Agrochemistry and Soil Science, Veterinary, Economics and Management, Accounting, Mechanization; library of 120,000 vols ; Rector K D. MIRONOV.

Byelorussian Agricultural Academy: Gorki, Mogilev District, Byelorussian S.S.R.; f. 1840; faculties of Agronomy, Agrochemistry, Book-keeping, Zootechnics, Economics, Mechanization, Land Exploitation, Hydrology and Amelioration of Operations in Hydrology and Land Reclamation; 520 teachers; 9,900 students; library of 910,000 vols.; Rector Prof. K. M. SOLNTSEV.

Chuvash Agricultural Institute: Ul. K. Marxa 29, Cheboksary, Chuvash A.S.S.R.; depts.: Agronomy, Mechanization, Zootechnics; library of 83,000 vols.; Extra-Mural faculty.

Crimean M. I. Kalinin Agricultural Institute: Simferopol 30, Vuzgordok; depts.: Agronomy, Fruit and Vegetable Growing, Viticulture, Economics, Book-keeping; library of 304,450 vols.; Extra-Mural Faculty; Rector A. M. LUKJANCHENKO.

Daghestan Agricultural Institute: Ul. M. Gajieva 180, Makhachkala, Daghestan A.S.S.R.; f. 1932; depts.: Zootechnics, Veterinary, Fruit and Vegetable Growing, Accounting; library of 200,000 vols.; Rector M. M. JAMBULATOV; publ. *Works of the Daghestan Agricultural Institute.*

Dnepropetrovsk Agricultural Institute: Ul. 40 Letiya Oktyabrya 25, Dnepropetrovsk, Ukrainian S.S.R.; depts.: Agronomy, Mechanization, Economics, Accounting; library of 204,000 vols.; Rector A. T. LYSENKO.

Don Agricultural Institute: Rostov Region, Station Persianovka; f. 1916; depts.: Agronomy, Zootechnics, Veterinary; 205 teachers; 3,600 students; library of 210,000 vols.; Rector P. E. LADAN.

Estonian Agricultural Academy: Ul. Riya 12, Tartu Estonian S.S.R.; f. 1951; faculties: Veterinary Sciences, Zootechnics, Agronomy, Mechanization, Forestry, Irrigation, Accounting, Economics; 250 teachers, 3,500 students; library of 370,000 vols.; Rector A. F. RUETEL; publ. *Eesti Pollumajanduse Akademia Teaduslike Teode Kogumik.*

Georgian (Order of Red Banner of Labour) Agricultural Institute: S. Digomi; depts.: Agronomy, Fruit and Vegetable Growing, Viticulture, Mechanization, Electrification, Forestry, Economics and Management, Accounting, Silkworm Breeding, Plant Protection, Wine Making, Preserving Industry; library of 700,000 vols.; Rector I. F. SARISHVILI.

Georgian Institute of Subtropical Cultivation: Sukhumi, Kelasuri; depts.: Subtropical Agronomy, Subtropical Cultivation, Mechanization, Preserving Industry; library of 90,000 vols.; Extra-Mural Dept.; Rector I. A. GEORGBERIDZE.

Gitomir Agricultural Institute: Gitomir, Ul. 50-Letiya Oktyabra 9; f. 1922; Rector U. S. TCHERNILEVSKY.

Gorky Agricultural Institute: Gorky, 78 Shcherbinki; f. 1918; depts.: Agrochemistry, Agronomy, Zootechnics, Mechanization, Accounting; library of 200,000 vols.; Extra-Mural Faculty; Rector A. I. BARANOV; publ. *Works of the Gorky Agricultural Institute.*

Gorsky Agricultural Institute: Orjonikidze, Ul. Kirova 37; depts.: Agronomy, Zootechnics, Mechanization, Economics and Management, Accounting; library of 208,000 vols.; Extra-Mural Faculty.

Grodno Agricultural Institute: Byelorussian S.S.R., Grodno, Ul. Tereshkovoj 26; f. 1951; depts.: Agronomy, Zootechnics, Plant Protection; 150 teachers; 3,000 students; library of 150,000 vols.; Extra-Mural Faculty; Rector Y. G. EGOROV.

Irkutsk Agricultural Institute: Irkutsk, 38 Pos. Molodezhny; f. 1934; depts.: Agronomy, Plant Protection, Zootechnics, Mechanization, Accounting; 290 teachers; 4,800 students; library of 280,000 vols.; Extra-Mural Faculty; Rector A. N. UGAROV.

Ivanovo Agricultural Institute: Ivanovo, Sovetskaya ul. 45; f. 1918; depts.: Agronomy, Zootechnics; library of 112,000 vols.; Extra-Mural Faculty; Rector N. I. BELONOSOV.

Izhevsk Agricultural Institute: Udmurd A.S.S.R., Izhevsk, Ul. Kirova 16; depts.: Agronomy, Zootechnics, Mechanization; library of 85,000 vols.; Extra-Mural Faculty.

Kamenets-Podolsk Agricultural Institute: Kamenets-Podolsk, Ul. Shevchenko 19; f. 1921; depts.: Agronomy, Zootechnics; library of 220,000 vols.; Extra-Mural Faculty; Rector S. S. SERBIN.

Kazakh State Agricultural Institute: Alma-Ata, Prospekt Abaya 8; depts.: Agronomy, Plant Protection, Mechanization, Electrification, Forestry, Economics and Management, Accounting; library of 167,000 vols.; Extra-Mural Faculty; Rector KH. A. ARYSTANBEKOV.

Kazan A. M. Gorky Agricultural Institute: Kazan, Ul. Karla Marxa 65; depts.: Agronomy, Mechanization, Economics and Management, Accounting; library of 135,000 vols.; Extra-Mural Faculty; Rector S. A. ILYIN.

Kharkov V. V. Dokuchaev Agricultural Institute: 310078 Kharkov, Ul. Artema 44; f. 1816; depts.: Agronomy, Breeding and Seed Production, Plant Protection, Agrochemistry and Soil Science, Land Exploitation, Agricultural Building and Planning of Rural Settlements, Economics and Management, Accounting; 280 teachers, 5,600 students; library of 430,000 vols.; Extra-Mural Faculty; Rector G. F. NAUMOV; publs. *Yearly Scientific Reports on Agronomy and Agricultural Economics and Management.*

Kherson A. D. Tsuryupa Agricultural Institute: Kherson, 6, Alexandrovskaya pl. 2; f. 1874; faculties of Agronomy, Zootechnics and Hydromelioration; library of 240,500 vols.; extra-mural faculties and postgraduate studies; Rector B. F. BENKOVSKY; publ. *Scientific Reports.*

Kirghiz Agricultural Institute: Frunze, Kommunisticheskaya ul. 68-a; f. 1933; depts.: Agronomy, Zootechnics, Mechanization, Irrigation and Land Reclamation; 265 teachers; 4,600 students; library of

184,000 vols.; Extra-Mural Faculty; Rector E. I. ARABAEV.

Kirov Agricultural Institute: Kirov, Oktyabrsky prospekt 133; f. 1930; depts.: Agronomy, Zootechnics, Veterinary, Mechanization; library of 270,000 vols.; Extra-Mural Faculty; Rector I. P. MAKAROV.

Kishinev M. V. Frunze Agricultural Institute: Kishinev, Sadovaya ul. 111; depts.: Agronomy, Fruit and Vegetable Growing, Viticulture, Zootechnics, Mechanization, Plant Protection, Economics and Management, Accounting; library of 200,000 vols.; Extra-Mural Faculty; Rector G. YA. RUD.

Kostroma Agricultural Institute: Kostroma District, State Farm Karavaevo; f. 1949; depts.: Agronomy, Zootechnics, Mechanization, Economics and Management, Accounting; library of 76,000 vols.; Extra-Mural Faculty; Rector R. S. TRIKOZ.

Krasnoyarsk Agricultural Institute: Krasnoyarsk, Prospekt Mira 88; f. 1953; depts.: Agronomy, Zootechnics, Mechanization; 210 teachers; 3,600 students; library of 130,000 vols.; Extra-Mural Faculty.

Kuban Agricultural Institute: Krasnodar 94, Ul. Kalinina 13; depts.: Agrochemistry and Soil Science, Agronomy, Viticulture, Zootechnics, Mechanization, Economics and Management, Accounting; library of 290,000 vols.; Extra-Mural Faculty; Rector P. F. VARUKHA.

Kuibyshev Agricultural Institute: Kuibyshev Region, Kinel; f. 1919; depts.: Agronomy, Zootechnics, Mechanization; 210 teachers; 3,500 students; library of 215,000 vols.; Extra-Mural Faculty; Rector N. S. SHIBRAEV.

Kurgan Agricultural Institute: Kurgan, Ul. Kuibysheva 55; f. 1944; depts.: Agronomy, Zootechnics; library of 200,000 vols.; Extra-Mural Department; Rector I. R. KUN.

Kursk Agricultural Institute: Kursk, Ul. Karla Marxa 70; f. 1956; depts.: Agronomy, Plant Protection, Zootechnics, Mechanization, Economics and Management, Accounting; library of 130,000 vols.; Extra-Mural Faculty; Rector A. A. SYSOEV.

Latvian Agricultural Academy: Elgava, Ul. V. I. Lenina 2; depts.: Agronomy, Zootechnics, Irrigation and Land Reclamation, Forestry, Veterinary, Mechanization, Timber Technology, Public Dietetics, Organization of Land Exploitation, Dairy Technology, Motor Transport, Agricultural Economics; library of 261,000 vols.; Extra-Mural Faculty; Rector O. G. OZEL.

Leningrad Agricultural Institute: Leningrad Region, Pushkin, Komsomolskaya ul. 14; f. 1904; depts.: Agrochemistry and Soil Science, Agronomy, Fruit and Vegetable Growing, Viticulture, Plant Protection, Zootechnics, Mechanization, Electrification, Economics and Management, Accounting; 500 teachers; 10,000 students; library of 500,000 vols.; Extra-Mural Faculty.

Lithuanian Agricultural Academy: Kaunas, Noreikishkes; f. 1924; depts.: Agronomy, Mechanization, Electrification, Agricultural Machinery, Land Reclamation, Economics and Management, Organization of Land Exploitation, Forestry, Accounting; 290 teachers; 5,200 students; library of 330,000 vols.; Extra-Mural Department; Rector Z. URBONAS; publ. *Transactions of the Lithuanian Agricultural Academy.*

Lvov Agricultural Institute: Lvov Region, Nesterov District, Selo Dublyany; f. 1946; depts.: Agronomy, Mechanization, Organization of Land Exploitation, Economics and Management, Accounting; 260 teachers; 6,500 students; library of 150,000 vols.; Extra-Mural Faculty; Rector M. T. GONCHAR; publ. *Transactions of the Lvov Agricultural Institute.*

Moscow Timiryazev Academy of Agriculture: Ul. Timiryazevskaya 49, Moscow A-8; f. 1865; seven faculties: Agronomy, Agricultural Chemistry and Soil Science, Stockbreeding, Economy, Horticulture, Agropedagogical, and Extra-Mural; 380 teachers; 31,000 students. Twenty-seven research stations and five experimental and instructional farms are attached to the Academy.

Novosibirsk Agricultural Institute: Novosibirsk, Ul. Dobrolyubova 160; depts.: Agronomy, Plant Protection, Mechanization, Economics and Management, Accounting; library of 252,000 vols.; Extra-Mural Faculty; Rector I. I. GUDILIN.

Odessa Agricultural Institute: Odessa 39, Ul. Sverdlova 99; depts.: Agronomy, Fruit and Vegetable Growing, Viticulture, Zootechnics, Veterinary, Economics and Management, Accounting; library of 280,000 vols.; Extra-Mural Faculty; Rector I. S. SAMOILENKE.

Omsk S. M. Kirov Agricultural Institute: Omsk, Zagorodnyaya Roshcha; depts.: Agrochemistry and Soil Science, Agronomy, Fruit and Vegetable Growing, Viticulture, Zootechnics, Mechanization, Irrigation, Engineering, Geodesy, Meat Technology, Dairy Technology, Economics and Management, Accounting, Grain Processing; library of 300,000 vols.; Extra-Mural Faculty; Rector D. L. SUMTSOV.

Orenburg Agricultural Institute: Orenburg, Ul. Chelyuskintsev 18; f. 1930; depts.: Agronomy, Zootechnics, Veterinary, Mechanization, Economics and Management, Accounting; 280 teachers; 5,000 students; library of 320,000 vols.; Extra-Mural Faculty; Rector V. P. PETROV; publ. *Works of the Orenburg Agricultural Institute.*

Penza Agricultural Institute: Penza, 14 Botanicheskaya ul. 10; f. 1951; depts.: Agronomy, Zootechnics, Mechanization; library of 70,000 vols.; Extra-Mural Faculty; Rector F. A. ZHARKOV.

Perm Academician D. N. Pryanishnikov Agricultural Institute: Perm, Kommunisticheskaya ul. 23; f. 1918; depts.: Agrochemistry and Soil Science, Agronomy, Zootechnics, Mechanization, Economics and Management, Accounting; 260 teachers; 4,600 students; library of 320,000 vols.; Extra-Mural Faculty; Rector A. A. EROFEEV.

Poltava Agricultural Institute: Poltava, Ul. Skovorody 1/3; depts.: Agronomy, Zootechnics, Economics and Management, Accounting, Pedagogics; library of 93,000 vols.; Extra-Mural Faculty; Rector N. A. DOBROVOLSKY.

Primorye Agricultural Institute: Ussuriysk, Prospect Blyukhera 44; depts.: Agronomy, Zootechnics, Mechanization, Irrigation and Land Reclamation, Forestry, Economics and Management, Accounting; library of 72,000 vols.; Extra-Mural Faculty; Rector P. K. SIDORENKO.

Ryazan Professor P. A. Kostychev Agricultural Institute: Ryazan, Ul. Lenina 53; depts.: Agronomy, Zootechnics, Mechanization, Economics and Management, Accounting; library of 94,000 vols.; Extra-Mural Faculty; Rector M. I. SALIKOV.

Samarkand V. V. Kuibyshev Agricultural Institute: Samarkand, Ul. K. Marxa 77; f. 1929; depts.: Agronomy, Zootechnics, Veterinary; library of 250,000 vols.; Extra-Mural Department.

Saratov Agricultural Institute: Saratov, Ploshchad Revolyutsii 1; depts.: Agronomy, Plant Protection, Forestry, Economics and Management, Accounting; library of 314,000 vols.; Extra-Mural Faculty; Rector E. D. MILOVANOV.

Stavropol Agricultural Institute: Stavropol, Ul. Mira 347; f. 1933; depts.: Agronomy, Zootechnics, Veterinary, Mechanization, Economics and Management, Accounting; 360 teachers; 2,500 students; library of 362,000 vols.; Extra-Mural Faculty.

Sverdlovsk Agricultural Institute: Svердlovsk 151, Ul. K. Liebknechta 42; depts.: Agronomy, Zootechnics, Veterinary, Mechanization; library of 196,000 vols.; Extra-Mural Faculty; Rector M. P. DORMIDONTOV.

Tajik Agricultural Institute: Ministry of Agriculture of the U.S.S.R., Dushanbe, Prospekt V. I. Lenina 146; f. 1931; depts.: Agrochemistry and Soil Science, Agronomy, Plant Protection, Veterinary, Zootechnics, Mechanization, Irrigation and Land Reclamation, Economics and Management, Accounting; Extra-Mural and Qualification Improvement Faculties; 313 teachers; 5,380 students; library of 300,000 vols.; Rector Acad. G. A. ALIEV.

Tashkent Agricultural Institute: Tashkent, Obl. p.o. "Institutskoe"; depts.: Agrochemistry and Soil Science, Agronomy, Fruit and Vegetable Growing, Viticulture, Plant Protection, Silkworm Breeding, Economics and Management, Forestry, Accounting; library of 196,000 vols.; Extra-Mural Faculty; Rector A. IMAMALIEV.

Tselinograd Agricultural Institute: Tselinograd, Ul. Mira 73, Kazakh S.S.R.; four faculties; 390 teachers; 8,200 students; library of 175,000 vols.; Rector M. A. GENDELMAN.

Turkmen M. I. Kalinin Agricultural Institute: Ashkhabad, Ul. 1 Maja 12; depts.: Agrochemistry, Fruit and Vegetable Growing, Viticulture, Veterinary, Zootechnics, Mechanization, Accounting; library of 136,000 vols.; Extra-Mural Faculty; Rector A. K. RUSTAMOV.

Tyumen Agricultural Institute: Tyumen, Ul. Respubliki 7; depts.: Agronomy, Zootechnics; library; Extra-Mural Department.

Ukrainian Agricultural Academy: Kiev, Goloseyevo; depts.: Agrochemistry and Soil Science, Agronomy, Plant Protection, Mechanization, Electrification, Economics and Management, Forestry, Zootechnics, Veterinary, Accounting; library of 486,000 vols.; Extra-Mural Faculty; Rector V. V. YURCHISHIN.

Ulyanovsk Agricultural Institute: Ulyanovsk, Culvar Novy Venets 1; depts.: Agronomy, Zootechnics, Mechanization, Veterinary; library of 80,000 vols.; Extra-Mural Faculty; V. A. BELOV.

Uman A. M. Gorky Agricultural Institute: Charkassy Region, Uman, Dendrological Park "Sofievka"; f. 1844; depts.: Agronomy, Fruit and Vegetable Growing, Viticulture, Pedagogics; 120 teachers; 2,500 students; library of 120,000 vols.; Extra-Mural Faculty; Rector G. J. MUSATOV.

Velikie Luki Agricultural Institute: Ploshchad V. I. Lenina 1, Velikie Luki, Pskov Region; f. 1958; depts.: Agronomy, Plant Protection, Mechanization; library of 126,000 vols.; Extra-Mural Faculty; Rector A. K. KUKLIN; Publ. *Works of the Velikie Luki Agricultural School.*

V. V. Dokuchayev Agricultural Institute in the Central Black-earth Zone: Talovaya, Voronezh Region, R.S.F.S.R.

Volgograd Agricultural Institute: Volgograd, Institutskaya ul. 8; f. 1944; depts.: Agronomy, Zootechnics, Mechanization, Electrification, Irrigation and Land Reclamation, Accounting; library of 206,000 vols.; Extra-Mural Faculty; Rector G. E. LISTOPAD; publ. *Works of the Volgograd Agricultural Institute.*

Voronezh Agricultural Institute: Voronezh, Ul. Michurina 1; f. 1913; depts.: Agrochemistry and Soil Science, Agronomy, Organization of Land Exploitation, Mechanization of Agriculture, Economics and Management, Accounting, Veterinary; 440 teachers; 8,500 students; library of 510,000 vols.; Extra-Mural Faculty; Rector G. V. KORENEV; publ. *Zapisky* (Notes).

Voroshilovgrad Agricultural Institute: Voroshilovgrad 8; depts.: Agronomy, Mechanization, Economics, Accounting; Extra-Mural and Preparatory depts.

West Kazakhstan Agricultural Institute: Uralsk, Prospekt Lenina 184; f. 1963; depts.: Agronomy, Zootechnics, Mechanization, Economics and Management, Accounting; 150 teachers; 2,700 students; Extra-Mural Faculty; Rector V. K. I. KONNIKOV.

Yaroslavl Agricultural Institute: Ul. Volodarskogo 103, Yaroslavl.

Zhitomir Agricultural Institute: Ul. 50-Letiya Oktyabrya 9, Zhitomir, Ukrainian S.S.R.; f. 1922; dept.: Agronomy; Extra-Mural Faculties; 100 teachers; 2,500 students; library of 100,000 vols.; Rector V. S. TCHERNILEVSKI.

Zonal Agricultural Research Institute in the North-east of European U.S.S.R.: Ul. Lenina 166a, Kirov, R.S.F.S.R.

(2) AGRICULTURAL ENGINEERING AND ELECTRIFICATION

Azov-Black Sea Institute of Agricultural Engineering: Zernograd, Ul. Lenina 21, Rostovsk obl.; library of 192,000 vols.; Rector B. M. TITOV.

Byelorussian Institute of Agricultural Engineering: Minsk, Leninsky prospekt 101; depts.: Mechanization, Electrification; library of 175,000 vols.; Extra-Mural Faculty; Rector D. I. GORIN.

Chelyabinsk Institute of Agricultural Engineering: Prospekt Lenina 75, Chelyabinsk 22; f. 1920; trains engineers for collective and state farms; 270 teachers; 5,000 students; library of 100,000 vols.; Rector S. E. ULMAN; publ. *Trudy Chimeskh.*

Kharkov Institute of Agricultural Engineering: Moskovsky prospekt 45, Kharkov, Ukrainian S.S.R.; f. 1929; library of 150,000 vols.; Extra-Mural Faculty; Rector M. K. EVSEEV.

Kirovograd Institute of Agricultural Engineering: Kirovograd, Ordjonikidze Str. 5; f. 1967; faculties: Agricultural Machine Construction, Metallurgy, Technical Science; 200 teachers; 4,500 students; library of 100,000 vols.; Rector F. A. STEPANOV.

Melitopol Institute of Agricultural Engineering: B. Khmelnitsky 18, Melitopol, Ukrainian S.S.R.; f. 1932; 210 teachers; 5,100 students; library of 125,000 vols.; Extra-Mural and Engineering Faculties; Rector M. N. EMELYANOV.

Moscow V. P. Gorjachkin Institute of Agricultural Engineering: Moscow, A-8, Timirjazev str. 58; f. 1930; faculties: Agricultural Mechanization, Farm Electrification, Agricultural Machine Repairs; library of 350,000 vols.; 225 teachers; 3,000 students; Rector Prof. Dr. L. G. PRISHCHEP.

Rostov Institute of Agricultural Engineering: Rostov-on-Don, Ploshchad Gagarina 1; faculties: Agricultural Engineering, Engineering Technology, Instrument Making, Hot Working of Metals, Welding; library of 283,000 vols.; Evening and Extra-Mural Faculties; Rector L. V. KRASNICHENKO.

Saratov M. I. Kalinin Institute of Agricultural Engineering: Ul. Sovetskaya 60, Saratov; f. 1932; 200 teachers; 3,500 students; library of 262,000 vols.; Extra-Mural Faculty; Rector D. G. VADIVASOV.

Tashkent Institute of Agricultural Engineering: Uchitelskaya 39, Tashkent, Uzbek S.S.R.; depts.: Mechanization, Electrification, Mechanization of Irrigation, Land Exploitation; library of 266,000 vols.; Extra-Mural Faculty; Rector S. P. PULATOV.

(3) LAND IMPROVEMENT

Djambul Institute of Irrigation, Land Reclamation and Construction: Djambul, Kommunisticheskaya ul. 91;

depts.: Irrigation and Land Reclamation, Riparian Engineering and Hydro Power Stations, Mechanization of Irrigation and Land Reclamation, Industrial Construction, Water Supplies and Sewerage; library; Extra-Mural Faculty.

Moscow Institute of Irrigation and Land Reclamation: Moscow 8A, Ul. Pryanishnikiva 19; f. 1930; depts.: Irrigation and Land Reclamation, Mechanization of Irrigation and Land Reclamation; Extra-Mural Faculty; Rector N. A. Khabarova.

Moscow Institute of Engineers for Organization of Land Exploitation: Moscow, Ul. Kazakova 15; depts.: Organization of Land Exploitation, Engineering, Geodesy; library of 146,000 vols.; Extra-Mural Faculty; Rector N. D. Ilyinsky.

Novocherkassk Institute of Engineering Amelioration: Pushkinskaya 111, Novocherkassk, Rostovsk; f. 1907; depts.: Irrigation and Land Reclamation, Forestry; 250 teachers; 5,100 students; library of 170,000 vols.; Extra-Mural Dept.

Ukraine Institute of Water Conservation: 11 Leninskaya ul., Rovno; depts.: Irrigation, Engineering, Hydraulic Engineering, Construction, Textiles; library of 116,000 vols.; Extra-Mural and Engineering Faculties; Rector K. S. Semenov.

Ukraine Research Institute of Hydrotechnics and Land Improvement: Vasilkovskaya 37, Kiev 127, Ukrainian S.S.R.; f. 1929; library of 87,144 vols.; Dir. P. I. Kovalenko; publ. *Land Reclamation and Water Economy* (quarterly).

(4) Zootechnical, Veterinary Science and Livestock Breeding

All-Union Research Institute of Veterinary Sanitation: Zvenigorodskoe chaussée 5, Moscow D-22, U.S.S.R.

Alma-Ata Zootechnical and Veterinary Institute: Prospekt Abaya 24, Alma-Ata, Kazakh S.S.R.; f. 1929; depts.: Zootechnic, Veterinary; 310 teachers; 4,900 students; library of 146,000 vols.; Extra-Mural Faculty; Rector M. A. Ermakov.

Azerbaijan Research Institute of Livestock Breeding: Kirovabad, Azerbaijan S.S.R.

Eastern Kazakhstan Livestock-breeding Experimental Station: Ul. Ordzhonikidze 7, Semipalatinsk, Kazakh S.S.R.

Erevan Zootechnical and Veterinary Institute: Ul. Nalbandyana 128, Erevan, Armenian S.S.R.; f. 1928; library of 190,000 vols.; Extra-Mural Faculty; Rector O. G. Terovanosova; publ. *The Works of the Erevan Zooveterinary Institute.*

Georgian Zootechnical and Veterinary Institute: Krtsanisi, Tbilisi, Georgian S.S.R.; f. 1932; 105 teachers; 2,250 students; library of 200,000 vols.; Extra-Mural Faculty; Rector V. G. Mamatelashvili.

Kazan Veterinary Institute: Vyetgorodok, Kazan 74, Tatar A.S.S.R.; f. 1873; advanced training of veterinary surgeons and zoo-technicians; faculty of advanced study and scientific research; library of 350,000 vols.; Rector Prof. Dr. H. G. Gizatullin; publ. *Uchenie Zapiski* (Scientific Notes, 5-6 issues a year).

Kharkov Zootechnical and Veterinary Institute: pos. Zoovetinstitut, Kharkov, Ukrainian S.S.R.; library of 320,000 vols.; Extra-Mural Faculty.

Leningrad Veterinary Institute: Chernigovskaya 5, Leningrad N-6, R.S.F.S.R.; f. 1919; 140 teachers; 1,340 students; library of 194,000 vols.; Extra-Mural Faculty; Rector G. S. Kuznetsov; publ. *The Compendium of the Institute Works.*

Lithuanian Veterinary Academy: Ul. Adomausko 18, Kaunas 22, Lithuanian S.S.R.; f. 1936; 80 teachers; 1,300 students; library of 105,000 vols.; Extra-Mural Department; Rector I. Shulskis.

Lvov Zootechnical and Veterinary Institute: Pekarskaya ul. 50, Lvov, Ukrainian S.S.R.; f. 1808; 150 teachers; 3,000 students; library of 215,000 vols.; Extra-Mural Department; Rector S. V. Stojanovsky.

Moscow Veterinary Academy: Moscow 109472, Ul. Skrabjina 23; f. 1919; faculties: Veterinary Science, Veterinary Biological Science, Zootechnical, Pedagogical, Animal Products; 450 teachers; 5,500 students; library of 600,000 vols.; Rector Prof. V. M. Danilevsky.

Novocherkassk "1st Mounted Army" Zootechnical and Veterinary Institute: Podtelkovsky prospekt 35, Novocherkassk, Rostovsk. obl.

Omsk Veterinary Institute: Oktyabrskaya ul. 92, Omsk; f. 1918; 130 teachers; 3,000 students; library of 184,000 vols.; Extra-Mural Faculty; Rector N. F. Belkov.

Saratov Zootechnical and Veterinary Institute: B. Sadovaya 220, Saratov; f. 1918; 120 teachers; 2,500 students; library of 200,000 vols.; Extra-Mural Faculty; Rector I. I. Dementjev.

Semipalatinsk Institute of Zootechnics and Veterinary Science: Ul. Uritskogo 17, Semipalatinsk 50, Kazakh S.S.R.; f. 1951; 180 teachers; 3,000 students; library of 100,000 vols.; Extra-Mural Faculty; Rector U. S. Abdilmanov.

Troitsk Veterinary Institute: Ul. Gargarina 1, Troitsk, Chelyabinsk obl.; f. 1929; library of 110,000 vols.; Extra-Mural Faculty; Rector V. T. Lobanov.

Vitebsk Veterinary Institute: Ul. Dovatora 7/11, Vitebsk, Byelorussian S.S.R.; library of 155,000 vols.; Extra-Mural Faculty; Rector M. S. Zhakov.

Vologda Dairy Institute: Vologda, Poselok Molochnoe, Prospekt Shmidta 2; f. 1911; depts.: Technology, Zootechnics, Mechanization of Agriculture, Agronomy, Economics; 265 teachers; 4,500 students; library of 240,000 vols.; Extra-Mural Faculty; Rector Prof. Slivko; publ. *The Works of the Vologda Dairy Institute.*

Voronezh Zootechnical and Veterinary Institute: Ul. Ordzhonikidze 26, Voronezh.

(5) Forestry

All-Union Scientific Research Institute of Agro-forestry Amelioration: Ulitsa Bogatyrskogo mosta 13, Moscow B. 13.

All-Union Scientific Research Institute of Forestry and the Mechanization of Forestry: Pushkino, Moscow Region.

Ukrainian J. N. Vysotsky Scientific Research Institute of Forestry and Agro-Forestry Reclamation: Ul. Pushkinskaya 86, Kharkov, Ukrainian S.S.R.; f. 1930; library of 81,000 vols.; Dir. P. S. Pasternak; publ. *Forestry and Agro-Forestry Reclamation.*

(See also *Timber Industry* under *Industry and Public Works,* below.)

(6) Other Agricultural Institutes

All-Union V. R. Williams Fodder Research Institute: Lugovaya P.O., Moscow; f. 1922 as an institute for the study of fodder crops and fodder land; 174 scientific workers; library of 115,000 vols., including 23,673 in foreign languages; Dir. M. Smurigin; Deputy Dir. V. Iglovikov; Sec. A. Petrov; publs. *Bulletin, Proceedings* (irregular).

Andijan Institute of Cotton Growing: Andijan; depts.: Agronomy, Mechanization, Irrigation; Extra-Mural Faculty.

Potato Research Institute: P.O. Malakhovka, Moskovsk-Ryazansk zh. d., Moscow.

Scientific Research Institute of Polar Agriculture: House 18, 17 Kwartal, Norilsk, Krasnoyarsk.

Scientific Research Institute for Vegetable Growing of the R.S.F.S.R. Ministry of Agriculture: Mitishchi-18, Moscow Region; f. 1930; library of 100,000 vols.; Dir. I. K. SHAUMJAN.

Siberian Scientific Research Institute for Grain-Growing: Omsk.

Ukrainian Horticultural Research Institute: Kitayevo, Kiev, Ukrainian S.S.R.

Ukrainian Scientific Research Institute for Fruit-growing: Kitayevo, Kiev.

Ukrainian Scientific Research Institute of Vegetable and Melon Production: Post Office Selectionnaya, Kharkov, Ukrainian S.S.R.

N. I. Vavilov Scientific Research Institute of Plant Growing: Tashkent, p.o. Botanika, Uzbek S.S.R.; f. 1924; collection, preservation and study of vegetation of Central Asia; development of high-yield varieties of cultivated plants; library of 22,840 vols.; Dir. I. I. PUGACHEV; publs. *Trudi*† (every 2 years), *Byullyeten*† (every 2 years), *Katalogi mirovoy kollektsii*.

ECONOMICS

(1) GENERAL ECONOMICS AND PLANNING

Alma-Ata Institute of National Economy: Alma-Ata, Ul. Shevchenko 95; depts.: Industrial and National Planning, Accounting, Finances and Credits; Extra-Mural Departments; Rector N. D. DZAHNDILDIN.

Azerbaijan Republic D. Buniat-zade Institute of National Economy: Baku, Kommunisticheskaya 6; f. 1937; faculties: Finance and Statistics, Commerce, Accountancy, Economics and Planning, Industrial Economy; 340 teachers; 8,000 students; library of 125,000 vols.; Rector Prof. Dr. S. R. ASLANOV.

Byelorussian V. V. Kuibyshev State Institute of National Economy: Partizansky pr. 24, Minsk, Byelorussian S.S.R.; depts.: Economic Planning, Calculation and Registration; library of 174,000 vols.; Extra-Mural Faculty; Rector F. V. BOROVIK.

Irkutsk Institute of National Economy: Irkutsk, Ul. Lenina 11; faculties: Finance, Planning, Economics of Industry; library of 236,000 vols.; Evening Faculty; Rector V. P. IVANITSKY.

Karaganda Cooperative Institute of the Centrosoyus: Karaganda, Ul. 40 let Kazakhstana, I; f. 1966; faculties: Accountancy, Economics; Rector K. P. FILIPPOVICH.

Khabarovsk Institute of National Economy: Khabarovsk 35, Ul. Tikhooceanskaya 136; Planning and Economics, Finance and Economics, Calculation and Registration; 280 teachers; 5,000 students; library of 400,000 vols.; Extra-Mural Faculty.

Kuibyshev Institute of Planning: Ul. Sovetskoj Armii 141, Kuibyshev; faculties: Industrial Economics, National Planning; library of 137,000 vols.; Extra-Mural Faculty; Rector A. I. NOSKOV.

Mendeleyev (D. I.) All-Union Metrological Research Institute: Moskovsky prospekt 19, Leningrad L-5; f. 1893; 3,000 mems.; library of 110,000 vols.; Dir. V. O. AROUTYUNOV; publ. *Trudy VNIIM*.

Moscow Institute of National Economy: B. Savvinovsky per. 14; Industrial and National Planning, Accounts, Finance and Credits; Extra-Mural Department; 800 teachers; 18,000 students.

Moscow G. V. Plekhanov Institute of National Economy: Moscow M-54, per. Stremyanny 28; f. 1907; faculties: General Economics, Industrial Economics, Trade Economics, Finance, Science of Commodities, Technology, Mechanics; 650 teachers; 15,000 students; library of 815,000 vols.; Rector Prof. B. M. MOTCHELOV.

Novosibirsk Institute of National Economy: Novosibirsk, Kamenskaya 56; f. 1968; faculties of Economics and Accounting; evening and correspondence departments; 4,800 students; library of 250,000 vols.; Rector V. N. SHCHUKIN.

Rostov-on-Don Institute of National Economy: Rostov-on-Don, Ul. F. Engelsa 69; f. 1931; faculties: Planning and Economics, Finances and Economics, Calculation and Registration; 260 teachers; 7,200 students; library of 350,000 vols.; Extra-Mural Faculty; Rector G. I. OZEROV.

Saratov Institute of Economics: Saratov, Ploshchad Revolyutsii 11; f. 1918; faculties: Industry, Agriculture, Credit and Economics, Calculation and Registration; 160 teachers; 4,000 students; library of 255,000 vols.; Extra-Mural Faculty; Rector K. I. BABAYTSEV.

Sverdlov Institute of National Economy: Sverdlovsk L-1, Ul. 8 Marta, 62; f. 1967; faculties: Economics, Planning, Accountancy, Goods Inventory, Mechanics and Technology, Evening course; 300 teachers; 7,500 students; library of 100,000 vols.; Rector L. N. PONOMARYOV.

Tashkent Institute of National Economy: Tashkent, Ul. Almazar 183; f. 1931; faculties: Planning and Economics, Finances and Economics; 400 teachers; 11,000 students; library of 300,000 vols.; Extra-Mural Faculty; Rector M. KARIEV.

(2) TRADE

All-Union Extra-Mural Institute of Soviet Trade: Chapaevsky per. 16, Moscow; f. 1938; faculties: Trade Economics, Calculation and Registration, Science of Food Stuffs, Science of Commodities; 650 teachers; 32,200 students; library of 1,000,000 vols.; 23 brs.; Rector A. N. RUKOSVYEV.

Donetsk Institute of Soviet Trade: Donetsk 50, Ul. Shchorsa 31; faculties: Calculation and Registration, Science of Commodities, Technology; library of 146,000 vols.; Rector F. D. FOSENKO.

Far Eastern Institute of Soviet Trade: Vladivostok, Ocean prospekt 19; Trade Economics, Science of Food Stuffs, Science of Commodities; 400 teachers; 10,000 students; library of 220,000 vols.

Karaganda Institute of Soviet Co-operative Trade: Karaganda, Ul. 40-Letiya Kazakhstan 1; Economic Calculation and Registration, Technology; Extra-Mural Department; branch in Alma-Ata; library of 150,000 vols.

Kharkov Institute of Food: Kharkov, Ul. Gudanova 4/10; Economics, Calculation and Registration; library of 200,000 vols.; Evening and Extra-Mural Departments.

Leningrad F. Engels Institute of Soviet Trade: Leningrad, Kuznechny per. 9; faculties: Trade Economics, Accounting, Science of Commodities, Engineering; library of 365,100 vols.; Extra-Mural Faculty; Rector K. S. KOROVIN.

Lvov Institute of Trade Economics: Lvov, Ul. Chkalova 10; f. 1899; faculties: Economics, Science of Commodities; 240 teachers, 5,000 students; library of 500,000 vols.; Extra-Mural Faculty; Rector K. I. PIROSHAK.

Moscow Institute of Consumers Co-operative Societies: Moscow Region, Perlovskaya 2, Voloshina ul. 12; f. 1959; faculties: Economics, Science of Commodities; 350 teachers; 16,000 students; library of 575,000 vols.; Rector V. I. KHORIN.

Novosibirsk Institute of Soviet Co-operative Trade: Novosibirsk, Prospekt K. Marxa 24; f. 1956; faculties: Economics, Science of Commodities, Technology;

240 teachers; 7,500 students; library of 197,000 vols.; Rector N. N. Protopopov.

Samarkand V. V. Kuibyshev Institute of Consumers Co-operative Societies: Samarkand Kommunisticheskaya ul. 47; f. 1931; faculties: Economics, Science of Commodities, Technology; 210 teachers; 7,000 students; library of 205,718 vols.; Extra-Mural Faculty; branch in Tashkent; Rector M. R. Rasvlov.

(3) Finance

All-Union Extra-Mural Finance Institute: Moscow, Ul. Oleko Dundicha 23; faculties: General Economics, Industrial Economics, Finance and Credits, Calculation and Registration; library of 387,000 vols.; ten brs.

Kazan V. V. Kuibyshev Finance and Economics Institute: Kazan, Ul. Butlerova 4; f. 1932; faculties: Finances and Economics, Calculation and Registration; 160 teachers; 4,000 students; library of 20,0000 vols.; Extra-Mural Faculty; Rector S. A. Lyushin.

Kiev Institute of National Economy: Kiev-57, Brest-Litovsky prospekt 98/1; f. 1912; faculties: Planning and Economy, Planning of the Rural Economy, Finance and Economy, Accountancy and Statistics, Supply Economics, Computer Science and data processing; 450 teachers; 10,000 students; library of 500,000 vols.; Pro-Rectors O. Belorus, O. Bobroff, Y. Proshchazuk; publs. *Machine Data Processing, Problems of Economic Efficiency.*

Leningrad N. A. Voznesensky Finance and Economics Institute: Leningrad, Kanal Griboedova 30/32; faculties: Finances and Economics, Planning and Economics, Calculation and Registration; library of 580,000 vols.; Evening and Extra-Mural Faculties; Rector Y. A. Lavrikov.

Moscow Finance Institute: Moscow I-164, Ul. Kibalchicha 1; f. 1946; faculties: Finances and Economics, Credits and Economics, Accounting Economics; 200 teachers; 3,000 students; Rector Prof. V. V. Shcherbakov.

Odessa Institute of National Economy: Odessa, Ul. Sovetskoy Armii 8; f. 1921; faculties: Credits and Economics, Calculation and Registration; 250 teachers; 7,200 students; library of 238,000 vols.; Rector S. Y. Dgorodnik.

(4) Statistics

Moscow Institute of Economics and Statistics: Savinsky per. 14, Moscow; faculties: Economics and Statistics, Calculation and Registration; library of 150,000 vols.; Rector M. A. Korolev.

GEOLOGY, METEOROLOGY AND HYDROLOGY

Hydrometeorological Centre of the U.S.S.R.: Bolshevistskaya 9–13, Moscow 123376; f. 1918; library of 252,000 vols.; publs. *Meteorologia i Gidrologia* (Meteorology and Hydrology) (monthly), *Trudy* (Proceedings).

Leningrad Hydrological Institute: Zanevsky 5, Leningrad.

Leningrad Hydro-Meteorological Institute: Malo-Okhtensky prospekt 98, Leningrad; f. 1930; library of 243,000 vols.; Extra-Mural Faculty; Rector Y. P. Doronin; publ. *Proceedings* (2–4 a year).

Moscow S. Ordjonikidze Institute of Geological Research: Prospekt Karla Marxa 18, Moscow; faculties: Prospecting, Geophysics, Hydrogeology, Exploitation Methods; library of 128,000 vols.; Rector Prof. D. P. Lobanov.

Odessa Hydro-Meteorological Institute: Ul. Kirova 106, Odessa, Ukrainian S.S.R.; departments: meteorological, agrometeorological, hydrological (hydrology and oceanography), extra-mural; library of 200,000 vols.; Rector E. Terentiev.

State Institute of Oceanography: Kropotkinsky per. 6, Moscow.

GRAPHIC ARTS

Estonian S.S.R. State Arts Institute: Tallinn, Tartu maantee 1; depts.: Arts: painting, stage design, sculpture, graphic art, textile and fashion design, leather work, ceramics, glass and metal work; Architecture: industrial design, interior design, architecture; library of 33,460 vols.; Rector Prof. J. Vares.

Kharkov Institute of Industrial and Applied Arts: Ul. Krasnoznamyennaya 8, Kharkov, Ukrainian S.S.R.; f. 1927 and renamed 1963; library of 54,000 vols.; Rector M. A. Shaposhnikov.

Kiev State Art Institute: Ul. Smirnova-Lastochkina 20, Kiev, Ukrainian S.S.R.; f. 1917; depts.: Decorative Art, Graphic Art, Architecture, Industrial Draughtsmanship; 100 teachers; 800 students; library of 65,000 vols; Rector V. Z. Boroday.

Kirghiz State Institute of Fine Art: Frunze, Ul. Pavlodarskaya 115; f. 1967; faculties: Piano, Vocal, Orchestra, Theory and Composition, Cultural Studies; 40 teachers; 225 students; library of 11,000 vols.; Rector T. V. Musurmankulov.

Latvian S.S.R. State Academy of Arts: Riga, Bulv. Kommunaru 13; f. 1919; depts.: Painting, Sculpture, Graphic Arts, Decorative and Applied Arts, Industrial Art, Textile Art, Pedagogy, History and Theory of Arts, Interior and Furnishings; library of 65,000 vols.; 70 teachers; 450 students; Rector Prof. Edgars Iltners.

Leningrad I. E. Repin (Order of the Red Banner of Labour) Institute of Arts: Leningrad V-34, Universitetskaya Naberezhnaya 17; f. 1757; faculties: Painting, Sculpture, Drawing, Architecture, Theory and History of Art; 140 teachers; 1,300 students; library of 300,000 vols.; Rector Prof. V. M. Oreshnikov.

Leningrad V. I. Mukhina Higher Industrial Art School: Leningrad 192028, Solyanoy per. 13; faculties: Art Finishing of Industrial Constructions, Decorative and Applied Art, Architecture and Interior Design; library of 100,000 vols.; Rector Prof. Y. Lukin.

Lithuanian S.S.R. State Arts Institute: Vilnius, Ul. Tiesos 6; f. 1579; depts.: Art and Mechanical Drawing, Decorative and Applied Arts, Art Finishing, Textiles, History and Theory of Fine Arts, Interior and Furnishing, Industrial Art, Monumental and Decorative Arts; 100 teachers; 550 students; library; Evening and Extra-Mural Departments; Rector Vincentas Gechas.

Lvov State Institute of Applied and Decorative Art: Ul. Goncharova 38, Lvov, Ukraine; f. 1947; 75 teachers; 450 students; library of 32,000 vols.; Rector A. P. Zapasko.

Moscow Institute of Architecture: Ul. Zhdanova 11, Moscow K-31; f. 1866; specialization in architecture, urban planning, architectural restorations, landscaping; 1,500 students; library of 24,000 vols.

Moscow (formerly **Stroganov**) **School of Industrial Art:** Volokolamskoye chaussée 9, Moscow; f. 1825; refounded 1945; faculties: Industrial Arts, Decorative Arts; 1,300 students; library of 50,000 vols.; Rector Z. N. Bykov, Vice-Rector G. A. Sacharov.

Moscow State Art Institute (Surikov Institute): Tovarishchesky pereulok 30, Moscow; depts.: Painting, Graphic Arts, Sculpture; library of 43,000 vols.; Dir. N. V. Tomsky.

G. Musichesku Moldavian State Institute of Fine Arts: Kishinyov 14, Ul. Sadovaya 87; f. 1940; faculties: Drama, Cultural Studies; Rector S. A. Kirillovich.

Tbilisi Academy of Arts: Ul. Griboyedova 22, Tbilisi, Georgian S.S.R.; depts.: Decorative Arts, Applied Arts, Textiles, Architecture, Sculpture.

INDUSTRY AND PUBLIC WORKS

(1) POLYTECHNICS AND GENERAL INDUSTRIAL INSTITUTES

All-Union Extra-Mural Polytechnic Institute: Moscow 278, Ul. Pavla Korchagina 22; f. 1932; faculties: Mining, Oil, Metallurgy, Machine Building, Motor Vehicles, Chemical Technology, Energy, Electronic Physics, Construction, Engineering Economics; three brs.; 968 teachers; 43,000 students; library of 800,000 vols.; Rector Prof. S. K. KANTENIK.

Altai I. I. Polzunov Polytechnic Institute: 656099 Barnaul, Pr. Lenina 46; f. 1924; faculties: Mechanical Technology, Machine Building, Chemical Technology, Construction; Extra-Mural Faculty; Rector V. G. RADCHENKO.

Azerbaijan Polytechnic Institute: 370122 Baku, Pr. Narimanova 25; faculties: Mechanics, Metallurgy, Automation and Computing Equipment, Electrical Engineering, Technology, Construction, Transport, Irrigation and Soil Reclamation; Extra-Mural Department.

Byelorussian Polytechnic Institute: Minsk, Leninsky prospekt 65; f. 1933; faculties: Machine Building, Mechanical Technology, Motor Vehicles and Tractors, Power, Chemical Technology, Construction, Hydraulic Engineering, Peat; Evening and Extra-Mural Faculties; Rector Prof. P. I. YASHCHERITSYN.

Chelyabinsk Polytechnic Institute: Chelyabinsk, Prospekt Lenina 76; f. 1943; faculties: Metallurgy, Machine Technology, Motor Vehicles and Tractors, Engines, Instruments and Automation, Power, Instrument Making, Construction; Evening faculties: Machine Technology, Power, Construction; Extra-Mural faculties: Machine Building, Instrument Making; Rector Prof. V. V. MELNIKOV.

Donetsk (Order of Red Banner of Labour) Polytechnic Institute: Donetsk, Ul. Artema 58; f. 1921; faculties: Mining, Mining Engineering, Metallurgy, Electrical Engineering, Chemical Technology, Construction; Rector G. V. MALEEV.

Erevan K. Marx Polytechnic Institute: Erevan, Ul. Teryana 105; f. 1930; faculties: Mechanics and Machine-Building, Electrical Engineering, Automation and Computing Equipment, Chemical Technology, Construction; Extra-Mural Faculty; Rector A. M. GASPARYAN.

Far-Eastern V. V. Kuibyshev Polytechnic Institute: Vladivostok, Pushkinskaya ul. 10; faculties: Mining, Mechanics, Electrical Engineering, Construction, Ship Building; Evening and Extra-Mural Faculties; Rector M. G. MOROZOV.

Ferghana Polytechnic Institute, Uzbek S.S.R.: Ferghana, Kirghili, Ul. Ulugbeka 71; depts.: Electrical Engineering, Machine Technology, Civil Engineering.

Frunze Polytechnic Institute: Frunze, Prospekt Mira 66; faculties: Mining and Geology, Mechanics, Technology, Construction, Power; Evening and Extra-Mural Departments.

Georgian V. I. Lenin (Order of Red Banner of Labour) Polytechnic Institute: Tbilisi, Ul. Lenina 77; faculties: Mining and Geology, Metallurgy, Mechanics and Machine Building, Power, Automation and Computing Equipment, Chemical and Food Technology, Construction, Light Industry, Transport; Evening and Extra-Mural Faculties; Rector Prof. I. M. BUACHIDZE.

Gorky A. A. Zhdanov Polytechnic Institute: Gorky, Ul. K. Minina 24; faculties: Machine Building, Mechanics, Electrical Engineering, Radio Engineering, Metallurgy, Ship Building, Chemical Technology and Silicates; Evening and Extra-Mural Faculties; Rector M. P. TUZOV.

Irkutsk Polytechnic Institute: Irkutsk, Ul. Lermontova 83; faculties: Geological Prospecting, Mining, Power, Metallurgy, Chemical Technology, Mechanics, Construction; Evening and Extra-Mural Faculties; Rector Prof. A. A. IGOSHIN.

Kalinin Polytechnic Institute: Kalinin, Pervomayskaya naberezhnaya 22; f. 1930; thirteen faculties including Mining, Chemical Technology, Machines and Automation in Industry, Construction and Engineering; library of 350,000 vols.; Evening and Extra-Mural Faculties; Rector Prof. I. F. LARGIN.

Karaganda Polytechnic Institute: Karaganda, Bulvar Mira 56; f. 1953; faculties: Mining, Mining Electrical Engineering, Mechanics and Machine Building, Construction; Evening and Extra-Mural Departments; Rector Prof. A. SAGINOV.

Kaunas Antanas Sniechkus Polytechnic Institute: Kaunas, Donelaičio 73; f. 1950; faculties: Automation, Chemical Technology, Industrial Economics, Light Industry, Machine Construction, Radio Electronics, Electrical, Mechanical, Civil and Sanitary Engineering, Evening and Extra-Mural depts.; 1,060 teachers; 15,000 students; library of 1,656,000 vols.; Rector Prof. M. MARTYNAITIS.

Kazakh Polytechnic Institute: Alma-Ata, Ul. Satpaeva 22; f. 1934; faculties: Geology Prospecting, Mining, Metallurgy, Power, Automation and Computing Equipment, Construction; Extra-Mural Department; Rector A. K. OMAROV.

Khabarovsk Polytechnic Institute: Khabarovsk, Ul. Tikhookeanskaya 136; Day, Evening and Extra-Mural Faculties.

Kharkov V. I. Lenin Polytechnic Institute: Kharkov, Ul. Frunze 21; f. 1885; faculties: Mechanics and Metallurgy, Machine Building, Power Machine Building, Electrical Machine Building, Automation and Instrument Building, Radio Engineering, Technology of Inorganic Substances, Technology of Organic Substances, Technology of Organic Chemicals, Chemical Machine Building, Transport Machine Building, Physical Engineering; Evening Department, Teachers' Training Department.

Kiev (Order of Lenin) Polytechnic Institute: Kiev, Brest-Litovsky prospekt 39; faculties: Mechanical Technology, Mechanics and Machine Building, Mechanics and Instrument Making, Electrical Power, Automation and Electrical Instrument Making, Thermal Power, Chemical Machine Building, Chemical Technology, Radio Engineering, Radio Electronics, Electrical Acoustics; Evening and General Engineering Faculties; Rector B. V. NOVOJILOV.

Kirov Polytechnic Institute: Kirov, Ul. Kommuny 36; faculties: Electrical Physics, Electrical Engineering, Machine Building, General Engineering.

Kishinev Polytechnic Institute: Kishinev, Ul. Lenina 168; f. 1964; faculties: Economics, Mechanics, Electrical Engineering, Technology, Construction, Electrophysics; Evening and Extra-Mural Departments; library of *c.* 655,000 vols.; *c.* 12,000 students; Rector Prof. V. G. ANTOSYAK.

Komsomolsk-on-Amur Evening Polytechnic Institute: Komsomolsk-on-Amur, Prospekt Lenina 27; faculties: Mechanics, Construction.

Krasnodar Polytechnic Institute: Krasnodar, Krasnaya ul. 135; faculties: Power, Mechanics and Machine Building, Construction, Chemical Technology, Technology of Food Industry; Evening and Extra-Mural Faculties; Rector Prof. Y. A. RUDAKOV.

Krasnoyarsk Polytechnic Institute: Krasnoyarsk, Ul. Kirenskoyo 26; faculties: Machine Building, Motors and Highways, Construction, Power, Radio Engineering; Evening and Extra-Mural Faculties; Rector V. N. BORISOV.

Kuibyshev Polytechnic Institute: Kuibyshev, Ul. Galaktionovskayo 141; faculties: Mechanics, Oil, Oil Processing, Thermal Power, Electrical Engineering, Automation and Measuring Equipment, Electrical Technology; Evening and Extra-Mural Faculties: Rector I. S. VOLKOV.

Kursk Polytechnic Institute: 305538 Kursk, Ul. 50 Okjabriya 941; faculties: Power, Machine Building, Chemical Technology; Evening Department.

Kuzbass Polytechnic Institute: Kemerovo, 26, Ul. Vesennyaya 28; faculties: Mechanics and Metallurgy, Mining, Machine Building, Technology of Inorganic Substances, Transport Machine Building; evening and extra-mural departments.

Leningrad M. I. Kalinin Polytechnic Institute: 195251 Leningrad, Politekhnicheskaya ul. 29; f. 1899; faculties: Hydraulic Engineering, Electrical Engineering, Power Machine Building, Mechanics and Machine Building, Physics and Mechanics, Physics and Metallurgy, Industrial Economics, Radio Electronics; Evening and Extra-Mural depts.; Preparatory Faculty for Foreign Students; 1,400 teachers; 16,000 students; library of 2,500,000 vols.; Rector Prof. Dr. K. P. SELEZNEV; publ. *Transactions.*

Lipetsk Polytechnic Institute: Lipetsk, Ul. Zegel 1; depts.: Metallurgy, Mechanical Engineering, Construction, Transport; Evening faculty.

Lvov Polytechnic Institute: Lvov, Ul. Mira 12, Ukrainian S.S.R.; f. 1844; faculties: Geodesy, Mechanical Technology, Mechanics and Machine Building, Energy, Electrical Engineering, Radio Engineering, Automation, Electrical Physics, Industrial Economics, Chemical Technology, Technology of Organic Materials, Civil and Industrial Construction, General Engineering, Evening and Extra-Mural depts.: Branches in Ivano-Frankovsk, Drogobych, Ternopol; 1,200 teachers; 24,000 students; library of 1,200,000 vols.; Rector Prof. Dr. G. I. DENISENKO; publ. *Journal of the Lvov Polytechnic Institute* (14 series annually).

North-Western Extra-Mural Polytechnic Institute: Leningrad, Ul. Khalturina 5; f. 1930; faculties: Power Engineering and Automation, Radio Engineering, Engineering Cybernetics, Instrumentation and Machine Construction, Machine Technology, Chemical Technology and Metallurgy; Evening Dept.; library of 1,544,698 vols.; Rector B. V. SHAMRY; publ. *Proceedings* (3–4 issues a year).

Novocherkassk Sergo Ordjonikidze Polytechnic Institute: Novocherkassk, Ul. Prosveshcheniya 132; faculties: Mining and Geology Prospecting, Mechanization and Automation of Mining and Construction, Mechanics, Power, Electrical Engineering, Chemical Technology, Construction; Evening and Extra-Mural Departments; Rector Prof. M. A. FROLOV.

Odessa Polytechnic Institute: Odessa, Prosp. Shevchenko 1; f. 1918; faculties: Mechanical Technology, Chemical and General Machine Building, Transport and Elevation Equipment, Thermal Power, Electrical Engineering, Radio Engineering, Automation and Industrial Electronics, Engineering Physics, Chemical Technology; Evening and General Engineering Faculties; Rector K. I. ZABLONSKI.

Omsk Polytechnic Institute: Omsk, Pr. Mira 11; faculties: Machine Technology, Hot Working of Metals, Electrical and Radio Engineering; Evening and General Engineering Faculties.

Orenburg Polytechnic Institute: Orenburg, Chelyabinskaya 13; faculties: Mechanics, Electrical Engineering; evening and extra-mural departments.

Penza Polytechnic Institute: Penza, Krasnaya ul. 40; f. 1943; faculties: Instrument Making, Electrical Engineering, Radio Engineering; Evening and Extra-Mural Faculties; Rector Prof. A. A. STEKLOV.

Perm Polytechnic Institute: Perm, Komsomolsky prospekt 29-a; faculties: Mining, Electrical Engineering, Mechanical Technology, Machine Building, Aircraft Engines, Construction, Chemical Technology; Evening Department.

Riga Polytechnic Institute: Riga, Ul. Lenina 1; f. 1862; library of 1,400,000 vols.; 1,400 teachers, 14,600 students; faculties: Electrical Engineering, Civil Engineering Economy, Radio Engineering and Communications, Automation and Computing Technique, Mechanical Engineering and Machine Building, Chemistry, Technical Appliances and Automation; Technical Training Faculties in Riga, Liepāja, Daugavpils; Rector Prof. A. R. WEIS; publ. *Scientific Transactions.*

Saratov Polytechnic Institute: Saratov, Politechnicheskaya ul. 77; f. 1930; faculties: Machine Building, Engineering, Instrument Making, Energy, Motor Vehicles, Construction, Highways; Evening Department; Rector Prof. A. I. ANDRYUSHCHENKO.

Stavropol Polytechnic Institute: Stavropol, Ul. Kominterna 9; depts.: Technology, Mechanical Engineering, Construction Engineering, Economics; Evening, Extra-Mural and Preparatory depts.

Tajik Polytechnic Institute: Dushanbe, Prospect Kuibysheva 10-a; faculties: Power, Chemical Technology, Construction; Evening and Extra-Mural Departments.

Tallinn Polytechnic Institute: Tallinn, Ehitajate tee 5, Estonian S.S.R.; f. 1936; faculties: Chemistry, Economics, Power Engineering, Electrical Engineering, Civil Engineering, Mechanics; Evening and Extra-Mural Faculties; 569 teachers; 9,400 students; library of 700,000 vols. (Dir. K. KIKAS); Rector Prof. A. AARNA, D.SC.TECH.; publs. *Transactions of the Institute, Tallinna Politehnik* (newspaper).

Tashkent Polytechnic Institute: Tashkent, Ul. Navoi 13; faculties: Geology and Prospecting, Mining and Metallurgy, Engineering, Power, Physical Engineering, Chemical Technology, Construction; Extra-Mural Department.

Togliatti Polytechnic Institute: Togliatti, Byelorussian ul. 14; f. 1967; formerly a branch of the Kuibyshev Polytechnic Institute; faculties: Mechanical Technology, Motor Vehicle Construction, Electrical Engineering, Electronic Computing Centre; Evening and Extra-Mural Faculties; Rector Prof. Dr. A. N. REZNIKOV.

Tomsk S. M. Kirov (Orders of October Revolution and of Red Banner of Labour) Polytechnic Institute: Tomsk, Prospekt Lenina 30; f. 1896; faculties: Geological Prospecting, Mechanical Engineering, Thermodynamics, Electrodynamics, Electromechanical Engineering, Chemical Technology, Physical Technology, Electrophysical Engineering, Automatics and Computer Engineering, Industrial Management; Evening and Extra-Mural Faculties; research institutes in Nuclear Physics, Electronic Introscopy, High Voltages; library of 2 m. vols.; Rector Prof. I. I. KALYATSKY.

Tula Polytechnic Institute: Tula, Prospekt Lenina 92; f. 1930; faculties:' Instrument Making, Engineering, Mechanical Technology, Chemical Machine Building, Automation and Telemechanics, Mining and Metallurgy, Radio Engineering, Construction; Evening and Extra-Mural Faculties; Rector F. V. SEDIKIN.

Turkmen Polytechnic Institute: Ashkhabad, Ul. N. Ostrovskogo 47; faculties: Construction, Oil, Machine Technology; Evening and Extra-Mural Faculties.

Ukrainian Extra-Mural Polytechnic Institute: Kharkov, Universitetskaya ul. 16; faculties: Metallurgy, Machine

Building, Power, Electronic Physics, Chemical Technology, General Engineering.

Ulyanovsk Polytechnic Institute: Ulyanovsk, Ul. Tolstogo 50; faculties: Engineering, Radio Engineering; Evening and Extra-Mural Faculties.

Urals S. M. Kirov Polytechnic Institute: Sverdlovsk, Vtuzgorodok; f. 1920; faculties: Metallurgy, Technology, Engineering, Electrical Engineering, Thermodynamics, Radio Engineering, Chemical Technology, Construction, Economics, Physical Engineering; Extra-Mural faculties: Engineering, Power, Radio and Engineering, Chemical Technology; Evening Faculties; Rector F. P. Zaostrovsky.

Vladimir Evening Polytechnic Institute: Vladimir, Ul. Gorkogo 87; faculties: Machine Technology, Radio, Instrument Making; Evening and Extra-Mural Faculties; Rector P. A. Andreev.

Volgograd Polytechnic Institute: Volgograd, Prospekt Lenina 28; f. 1930; faculties: Machine Building, Motor Vehicles and Tractors, Hot Working of Metals, Chemical Technology, Hydro-engineering; Evening and Extra-Mural Faculties; Rector Prof. A. P. Khardin.

Voronezh Polytechnic Institute: Voronezh, Moskovskii prospekt 14; faculties: Machine Technology, Aviation, Radio Engineering, Electrical Engineering, Physical Engineering, Economical Engineering; Evening and Extra-Mural Faculties; Rector Prof. V. S. Postnikov.

(2) Mechanical Engineering

All-Union Extra-Mural Mechanical Engineering Institute: Moscow, 5th Babaevskaya ul. 3-a; faculties: Complex Mechanization and Automation in Hot Working of Metals, Automation in Machine Building, Instrument Making, Transport and Power Machine Building; library of 250,000 vols.; Rector N. N. Sheviakov.

All-Union F. E. Dzerzhinsky Research Institute of Heat Engineering: Leninskaya sloboda 23, Moscow.

All-Union Research Institute of Water Supply, Drainage, Hydro-Engineering Works and Engineering Hydrogeology: Komsomolsky prosp. 42, Moscow.

Bryansk Institute of Transport Engineering: Bryansk, Ul. Institutskaya 16; faculties: Transport Engineering, Engineering Technology; library of 104,000 vols.; Evening and Extra-Mural Faculties; Rector I. V. Shashin.

Central Research Institute of Technology and Engineering: Sharikopodshipnikovaya 4, Moscow.

Chelyabinsk Institute of Mechanical Engineering: Ul. Spartaka 44, Chelyabinsk.

Experimental Research Institute of Metal-Cutting Machine Tools: 5th Donskoy pr. 21b, Moscow 117419; Dir. V. S. Vasilev.

Izhevsk Engineering Institute: Izhevsk, 9th Podlesnaya ul. 48; faculties: Machine Technology, Mechanical Engineering, Instrument Making; library of 107,000 vols.; Evening and Extra-Mural Faculties; Rector N. V. Talantov.

Khmelnitsky Technological Institute of Community Service: Ukrainian S.S.R., Khmelnitsky-16, Ul. Frunze; f. 1967; faculties: Mechanical Science, Technological Science, General Science; Rector S. M. Ganzhurov.

Kurgan Mechanical Engineering Institute: Kurgan, Ploshchad Lenina; f. 1959; depts.: Machine Tool Technology, Welding Technology, Motor Transport; 250 teachers; 4,000 students; library of 100,000 vols.; Evening and Extra-Mural Faculties; Rector A. Y. Sichov.

Leningrad Institute of Precision Engineering and Optics: Leningrad, Per. Grivtseva 14; faculties: Precision Engineering, Optics, Radio Engineering, Evening and Extra-Mural depts.: 350 teachers; 6,000 students; Rector S. P. Mitrofanov.

Leningrad (Order of the Red Banner of Labour) Engineering Institute: Leningrad, 1st Krasnoarmeyskaya ul. 1/21; faculties: Machine Building, Engineering, Instrument Making; library of 405,000 vols.; Evening Faculty; Rector V. A. Teterin.

Lugansk Mechanical Engineering Institute: Lugansk, Ul. Frunze 112; faculties: Engineering Technology, Electrical Machine Building, Automation of Industrial Production; library of 100,000 vols.

Mogilev Mechanical Engineering Institute: Mogilev, Ul. Lenina 70; f. 1961; faculties: Engineering, Machine Building; 250 teachers; 4,500 students; library of 37,000 vols.; Evening and Extra-Mural Departments; Rector A. A. Borisov.

Moscow Motor Engineering Institute: Moscow, Bolshaya Semenovskaya ul. 38; faculties: Motor Vehicles and Tractors, Engineering Technology; library of 200,000 vols.; Evening and Extra-Mural Faculties.

Moscow Institute of Electronic Machine Building: Moscow, Bolshoi Vuzovskü per. 3/12; faculties: Semiconductors and Electrical Vacuum Machine Building, Automation and Computing Equipment, Radio Engineering; library of 140,000 vols.; Evening and Extra-Mural Faculties; Rector E. V. Armenckij.

Moscow N. E. Bauman Technical Institute: Moscow, 2D Baumanskaya ul. 5; faculties: Automation and Mechanization of Industrial Processes, Power Machine Building, Transport Machine Building, Instrument Making; 1,500 teachers; 15,000 students; Evening and Extra-Mural depts.; Branch in Kaluga; Rector G. A. Nikolaev.

Moscow Machine Tool Engineering Institute: Moscow, Vadkovsky per. 3-a; faculties: Instrument Making, Machine Tool Engineering, Technology, Automation of Punch Processes; library of 243,000 vols.; Evening and Extra-Mural Faculties; Rector V. A. Arshinov.

Moscow Physical-Engineering Institute: Moscow, Kashirskoe Chaussée, 1; faculties: Experimental and Theoretical Physics, Physics and Power, Electronic Computors and Automation Equipment; Evening dept.; includes Higher School of Physics to train specialists; 550 teachers; 7,000 students; Rector V. G. Kirrillov-Ugryumov.

Rybinsk Evening Technological Institute: Rybinsk; depts.: Machine Building Technology, Machine Tools, Foundry Technology, Technology of Pressure Metal Working; Rector S. S. Silin.

Sevastopol Institute of Instrument Making: Sevastopol, Ul. Gogolya 14; faculties: Radio Electronics, Instrument Making Technology and Precision Mechanics, Mechanics, Construction; 550 teachers; 12,000 students; Rector V. T. Malikov.

Yaroslavl Technological Institute: Moscowski prospect 88, Yaroslavl; faculties: Technology, Engineering; library of 94,000 vols.; Evening and Extra-Mural Faculties.

Zaporozhye V. Y. Chubar Mechanical Engineering Institute: Zaporozhye, Ul. Zhukovskogo 64; f. 1930; faculties: Machine Building, Motor Vehicles, Engineering and Metallurgy, Electrical Engineering; 420 teachers; 8,000 students; library of 189,000 vols.; Rector P. K. Belyakov.

(3) Radio and Electrical Engineering

All-Union Extra-Mural Institute of Communication Engineering: Moscow, Ul. Aviamotornaya 8-a; f. 1938; faculties: Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication, Economics; 200 teachers; 10,000 students; library of 233,000 vols.; Rector D. I. Arkadiev.

Ivanovo V. I. Lenin Power Institute: Ivanovo, Rabfakovskaya ul. 34; faculties: Thermodynamics, Industrial Thermodynamics, Electrodynamics, Electrical Engineering; libraries of 128,000 vols.; Evening and Extra-Mural Faculties; Rector A. P. BAZHENOV.

Kharkov Institute of Radio Electronics: Kharkov, Per. V. I. Lenina 14; faculties: Automation and Computing, Radio Engineering; evening and extra-mural department; 500 teachers; 8,000 students; library of 200,000 vols.

Kuibyshev Institute of Communication Engineering: Kuibyshev, Ul. Lva Tolstogo 23; faculties: Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication; library of 52,000 vols.; Evening and Extra-Mural Departments; Rector S. L. SUSLOV.

Leningrad M. A. Bonch-Bruevich Institute of Communication Engineering: Leningrad, Naberezhnaya reki Moyki 61; f. 1930; faculties: Radio Engineering, Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication; library of 227,000 vols.; Evening and Extra-Mural Faculties; Rector K. K. MURAVYEV.

Leningrad V. I. Lenin Institute of Electrical Engineering: Leningrad, Ul. Prof. Popova 5; faculties: Radio Engineering, Automation and Computing Equipment, Electrification and Automation, Electronic Equipment, Electrical Physics; library of 900,000 vols.; Evening and Extra-Mural Faculties; one br.; Rector A. A. VAVILOV.

Minsk Institute of Radio Engineering: Minsk, Podlesnaya ul. 6; faculties: Radio Engineering, Automation and Computing Equipment, Evening and Extra-Mural Faculties; Rector I. S. KOVANOV.

Moscow Institute of Communication Engineering: Moscow, Aviamotornaya Ul. 8; f. 1921; faculties: Radio Communication and Broadcasting, Automation, Telemechanics and Electronics, Automatic and Multi-Channel Electrical Communication, Economics; 450 teachers; 6,100 students; library of 510,000 vols.; Evening Faculty; Rector V. A. NADEZHDIN.

Moscow Institute of Physical Engineering: Moscow Region, Dolgoprudny; faculties: Radio Engineering and Cybernetics, General and Applied Physics, Aerodynamics and Applied Mathematics, Molecular and Chemical Physics, Physical and Quantum Electronics; library of 157,000 vols.; Rector O. M. BELOTSERKOVSKY.

Moscow Institute of Radio Engineering and Electronics: Moscow, Krasnokazarmennaya ul. 14; f. 1967; faculties: Power Machine Building, Thermodynamics, Industrial Power, Electrodynamics, Electrical Engineering, Electronic Equipment, Automation and Computing Equipment, Radio Engineering, Electrification and Automation in Industry and Transport; 400 teachers; 12,500 students; library of 500,000 vols.; Evening and Extra-Mural Faculties; Rector N. N. EVTIKHIN.

Novosibirsk Institute of Communication Engineering: Novosibirsk, Ul. Kirova 86; faculties: Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication, Economics; library of 110,000 vols.; Evening Department and Extra-Mural Faculty; Rector N. V. NAUMOV.

Novosibirsk Institute of Electrical Engineering: Novosibirsk, Prospekt Karla Marxa 20; f. 1953; faculties: Radio Engineering, Automation, Mathematical and Computing Designs, Instrument Making, Electrical Engineering, Electrodynamics, Machine Building; Extra-Mural Faculties: Electrical Engineering, Radio Engineering, General Engineering; 850 teachers; 14,000 students; library of 600,000 vols.; Rector G. P. LYSHCHINSKY.

Odessa Institute of Communication Engineering: Odessa, Ul. Chelyuskintsev 1/3; faculties: Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication; library of 256,000 vols.; Evening Department and Extra-Mural Faculty; Rector B. P. KUTASIN.

Ryazan Institute of Radio Engineering: Ryazan, Ul. Gagarina 59/1; faculties: Radio Equipment Design, Radio Engineering, Electronics, Automation and Telemechanics, Automatic Control Systems; library of 146,000 vols.; Evening and Extra-Mural Faculties; Rector G. N. PANIKAROVSKIJ.

Taganrog Institute of Radio Engineering: Taganrog, Ul. Chekhova 22: faculties: Radio Engineering, Electronics, Automation and Computors; library of 283,000 vols.; Evening and Extra-Mural Faculties; A. V. KALAJAEV.

Tashkent Institute of Communication Engineering: Tashkent, 87, Ul. Engelsa 108; f. 1955; faculties: Radio Communication and Broadcasting, Automatic and Multi-Channel Electrical Communication; 250 teachers; 5,500 students; library of 250,000 vols.; Evening and Extra-Mural Departments; Rector M. I. ASTAKHOV.

Tomsk Institute of Automatic Control Systems and Radio-electronics: Tomsk, Prospekt Lenina 40; f. 1962; faculties: Constructive Technology, Radio Engineering, Radio Control, Electronic Equipment; Extra-Mural, evening Faculty; library of 332,000 vols.; Dir. I. P. TCHUCHALIN.

(4) CHEMISTRY, CHEMICAL ENGINEERING AND TECHNOLOGY

Dnepropetrovsk F. E. Dzerzhinsky Institute of Chemical Technology: Ul. Gagarina 8, Dnepropetrovsk, Ukrainian S.S.R.; f. 1930; faculties: Inorganic Chemistry, Organic Chemistry, Silicate Technology, Engineering; 360 teachers; 6,300 students; library of 323,000 vols.

Ivanovo Institute of Chemical Technology: Ivanovo, Ul. F. Engelsa 7; faculties: Inorganic Chemistry, Technology of Organic Chemistry, Silicates, Engineering; library of 215,000 vols.; Evening and Extra-Mural Departments; Dir. K. H. BELONOGOV.

L. Y. Karpov Physical Chemistry Institute: Ul. Obukha 10, Moscow; Dir. Y. M. KOLOTYRKIN.

Kazakh Chemical Technology Institute: Chimkent, Kommunistichesky prospekt 5; f. 1943; faculties: Chemical Technology, Silicates, Engineering, Construction, General Engineering; library of 202,000 vols.; Rector S. G. SULEYMANOV.

Kazan S. M. Kirov Institute of Chemical Technology: Kazan, Ul. K. Marxa 68: faculties: Technology, Engineering, Oil Processing, Chemical Engineering; library of 295,000 vols.; Evening and Extra-Mural Faculties; Rector P. A. KIRPICHNIKOV.

Kostroma Technological Institute: Kostroma, Ul. Dzerzhinskogo 17; f. 1932; faculties: Technology, Forest Engineering, Engineering; library of 187,000 vols.; Evening and Extra-Mural Faculties; Rector N. N. SUSLOV.

Leningrad Lensoviet Technological Institute: Leningrad, Moskovsky prospekt 26; faculties: Technology of Inorganic Chemistry, Organic Chemicals, Silicate Technology Engineering, Engineering, Cybernetics, Bioengineering and Physics; library of 412,000 vols; Evening and Extra-Mural Faculties; Rector V. A. PROSKURJAKOV.

Leningrad Pulp and Paper Technological Institute: Leningrad, Ul. Ivana Tchernych 4; faculties: Technology, Engineering, Thermodynamics, Economics; library of 450,000 vols.; Evening and Extra-Mural Departments; Rector I.-D. KUGUSHEV.

Moscow M. V. Lomonosov Institute of Fine Chemical Technology: Moscow, Malaya Pirogovskaya ul. 1; faculties: Electronics Chemistry, Polymer Processing Technology, Organic and Polymer Synthesis; library of 134,000 vols.; Evening and Extra-Mural Faculties; Rector Y. A. BOLSHAKOV.

Moscow Institute of Chemical Engineering: Moscow, 66, Ul. K. Marxa 21/4; f. 1920; faculties: Engineering, Organic Processes Engineering, Inorganic Processes Engineering, Technical Cybernetics and Automation of Chemical Production; Evening Dept.; 430 teachers; 6,000 students; library of 415,000 vols.; Rector Prof. D. T. KOKAREV.

Moscow D. I. Mendeleyev Institute of Chemical Technology: Moscow, A-17, Miusskaya Ploshchad 9; faculties: Inorganic Chemical Technology, Organic Chemical Technology, Chemical Technology of Fuel, Silicate Technology, Chemical Engineering, Physical Engineering; Evening dept.; Branch in Novomoskovsk; 650 teachers; 10,000 students; Rector G. A. YAGODIN.

Tambov Institute of Chemical Engineering: Tambov, Ul. Leningradskaya 1; f. 1965; faculties: Mechanical Sciences, Machine Construction, Automation and Mechanization of Chemical Production, Evening Faculties; Rector V. V. VLASOV.

Voronezh Technological Institute: Voronezh, Prospekt Revolyutsii 19; f. 1930; faculties: Technology, Engineering, Chemistry; 450 teachers; 7,700 students; library of 309,000 vols.; Evening and Extra-Mural Departments; Rector B. I. KUSHEV.

(5) MINING AND METALLURGY

Dneprodzerzhinsk Arsenichev Institute of Metallurgy: Pr. Pelina 16, Dneprodzerzhinsk, Ukrainian S.S.R.; faculties: Metallurgy, Technology, Engineering; Rector V. L. LOGINOV.

Dnepropetrovsk Artem Mining Institute: Prosp. K. Marxa 19, Dnepropetrovsk; faculties: Mining, Prospecting, Machine Building, Electrical Engineering, Construction of Mines; library of 495,000 vols.; Rector A. A. RENGEVICH.

Dnepropetrovsk (Order of the Red Banner of Labour) Metallurgical Institute: Dnepropetrovsk, Ul. Gagarina 4; f. 1899; faculties: Metallurgy, Engineering, Chemical Technology, Economics; 500 teachers; 11,500 students; library of 350,000 vols.; Evening and General Engineering Faculties; Rector N. F. ISAENKO.

Irkutsk Mining and Metallurgical Institute: Ul. K. Zvezdy 5, Irkutsk.

Karaganda Mining Institute: Boul. Mira 2, Karaganda.

Kemerovo Polytechnic Institute: Kemerovo, Vesennyaya ul. 28; faculties: Mining, Industrial Construction, Mining Electrical Engineering, Chemistry; library of 138,000 vols.; Evening Faculty and Extra-Mural Departments.

Kharkov Institute of Mining Engineering, Automation and Computing Equipment: Kharkov, Prospekt Lenina 14; faculties: Mining Machine Building, Automation of Production Processes, Radio Engineering; library of 255,000 vols.

Kommunarsk Institute of Ore Mining and Metallurgy: Kommunarsk, Prospekt V. I. Lenina 16, Ukrainian S.S.R.; f. 1957; faculties: Mining, Metallurgy, Electrical Machine Building, Construction; library of 105,000 vols.; Rector Y. M. VOEVODIN.

Krasnoyarsk M. I. Kalinin Institute of Non-Ferrous Metals: Krasnoyarsk, Vuzovsky per. 3; faculties: Mining, Metallurgy, Technology; library of 191,000 vols.; Evening and Extra-Mural Faculties; Rector B. A. DARYALSKIJ.

Krivoy Rog Ore Mining Institute: Krivoy Rog, Pushkinskaya ul. 37; faculties: Prospecting, Mining, Electrical Engineering, Machine Building, Construction; library of 185,000 vols.; Evening and General Engineering Faculties.

Leningrad G. V. Plekhanov Mining Institute: Leningrad V-26, 21 Liniya 2; faculties: Prospecting, Mining, Mine Construction, Geophysics, Mining Electrical Engineering, Economics, Mine Surveying, Metallurgy; library of 1,077,895 vols.; one br.; Rector L. N. KELL.

Magnitogorsk G. I. Nosov Institute of Ore Mining and Metallurgy: Magnitogorsk, Prospekt Lenina 38; f. 1932; faculties: Mining, Metallurgy, Automation of Production Processes, Technological and Power, Construction; three Evening and Extra-Mural Faculties; library of 523,000 vols.; Rector Dr. N. I. IVANOV.

Moscow Evening Institute of Metallurgy: Moscow, E-250, Lefortovsky Val 26; f. 1931; faculties: Metallurgy, Technology, General Technology; 160 teachers; 209,229 students; library of 54,000 vols.; Rector V. A. KUDRIN.

Moscow Institute of Radio Electronics and Mining Electrical Engineering: Moscow, Leninsky prospekt 6; faculties: Technology and Complex Mechanization, Radio Engineering, Automation and Machine Building; library of 450,000; Evening and Extra-Mural Faculties.

Moscow Institute of Steel and Alloys: Moscow, Leninsky prospekt 6; f. 1918; faculties: Semiconductor Materials and Instruments, Ferrous Metallurgy, Metallurgy of Non-ferrous and Rare Metals, Physics and Physical Chemistry of Metals; 830 teachers; 10,000 students; library of 800,000 vols.; Rector Prof. P. I. POLUKHIN; publs. *Izvestia Visshikh Uchebnikh Zavedenii* (series for ferrous and non-ferrous metallurgy, both monthly).

Moscow Mining Institute: Moscow, M-19, Leninsky Prospekt 6; f. 1918; faculties: Mining, Mining Machines, Radio Engineering, Electrification and Automation, Physical Mechanics in Mining; 440 teachers; 6,000 students; library of 540,000 vols.; Evening and Extra-Mural depts.; Rector Prof. Dr. V. V. RZHEVSKY, Corr. Mem. of the U.S.S.R. Academy of Sciences.

North Caucasian Institute of Ore Mining and Metallurgy: Orjonikidze, Institutskaya 44, North-Ossetian A.S.S.R.; faculties: Mining Geology, Electrical Engineering, Metallurgy, Construction; library of 214,000 vols.; Evening and Extra-Mural Faculties; Rector M. I. DURNEV.

Perm Mining Institute: Komsomolski pr. 51-1, Perm.

Siberian Sergo Orjonikidze Institute of Metallurgy: Novokuznetsk, Ul. Kirova 42; faculties: Mining, Metallurgy, Engineering, Technology, Construction; library of 257,000 vols.; Evening Faculty and Extra-Mural Department; Rector Prof. TOLSTOGUZOV.

Sverdlovsk V. V. Vakhrushev Mining Institute: Sverdlovsk, Ul. Kuibysheva 30; faculties: Prospecting, Geophysics, Mining, Mining Engineering; library of 385,000 vols.; Evening and Extra Mural Faculties; Rector G. P. SAKOVTSEY.

Tula Mining Institute: Ul. Kommunarov 158, Tula; library of 170,000 vols.

Zhdanov Metallurgical Institute: Ul. Apatova 115, Zhdanov, Ukrainian S.S.R.; f. 1929; faculties: Metallurgy, Technology, Welding, Industrial Energy, Mechanics; library of 540,000 vols.; 350 teachers; 5,500 students; Rector E. A. KASPUTIN.

(6) PETROLEUM AND PEAT

Azerbaijan M. Azizbekov Institute of Oil and Chemistry: Baku, Prospekt Lenina 20; faculties: Prospecting, Oil Exploitation, Chemical Technology, Power, Automation of Production, Economics; 900 teachers; 16,000 students; library of 850,000 vols.; Evening and Extra-Mural Departments; Rector I. A. IBRAGIMOV.

Grozny Oil Institute: Grozny, Ploshchad Orjonikidze 100; f. 1920; faculties: Prospecting, Oil Deposit Exploration, Oil Processing Technology, Engineering, Construction; 400 teachers; 7,000 students; library of 350,000 vols.; Evening and Extra-Mural Faculties; Rector G. M. Sukharev.

Ivano-Frankovsk Institute of Oil and Gas: Ivano-Frankovsk, Ul. Lenina 28; f. 1967; 300 teachers; 6,500 students; Rector E. I. Shelepin; publ. *Collected Works 'Prospecting and Exploitation of Oil and Gas Deposits'* (quarterly).

Kalinin Peat Institute: Kalinin, Prospekt Lenina 25; faculties: Technology of Peat Exploitation, Chemical Technology, Construction, Engineering; library of 214,000 vols.

Moscow Academician I. M. Gubkin Institute of Petrochemical and Gas Industries: Moscow V-296, Leninsky prospekt 65; faculties: Geology, Geophysics and Geochemistry of Oil and Gas Deposits, Mechanical Engineering, Oil and Gas Exploitation, Automation and Computer Technology, Chemical Technology, Industrial Economics, Evening and Extra-Mural departments; brs. in Krasnovodsk, Almetyevsk, Nebit-Dag, Leninogorsk; 850 teachers; 10,700 students; Rector V. N. Vinogradov.

Moscow Peat Institute: Kazarmeny per. 3, Moscow.

Ufa Oil Institute: Ufa, Ul. Kosmonavtov 1; faculties: Oil Exploitation, Oil Chemistry, Technology; library of 126,000 vols.; Evening and Extra-Mural Faculties; Rector V. A. Berezin.

(7) Civil Engineering

All-Union Extra-Mural Civil Engineering Institute: Moscow, Ul. Srednyaya Kalitnikovskaya 30; f. 1944; faculties: Construction, Design and Architecture, Technology, Engineering, Road Building, Sanitary Engineering, Municipal Construction and Economy, Economics; 500 teachers; 20,500 students; library of 300,000 vols.; Rector I. G. Burozdin.

All-Union Research Institute of Building Ceramics: Moscow, Pos. Kuchino, Balashikhinsky raion.

Belgorod Civil Engineering Institute: Belgorod, Ul. Gorkogo 56; faculties: Construction, Engineering, Mechanical Engineering, Sanitary Engineering.

Brest Civil Engineering Institute: Brest, 17, Moskovskaja ul. 267; f. 1966; faculties: Architecture, Industrial and Civil Construction, Town Planning, Sanitation; Evening dept.; 150 teachers; 1,900 students; library of 60,000 vols.; Rector I. D. Belogortsev.

Dnepropetrovsk Civil Engineering Insitute: Dnepropetrovsk, Ul. Chernyshevskogo 24-a; faculties: Construction, Construction Technology, Engineering; library of 239,000 vols.; Evening and General Engineering Faculties; Rector P. G. Rezhichenko.

Gorky V. P. Chkalov Civil Engineering Institute: Gorky, Ul. Krasnoflotskaya 65; faculties: Construction, Sanitary Engineering, Hydraulic Engineering; library of 204,000 vols.; Evening and Extra-Mural Faculties; Rector A. S. Mereyev.

Kazan Civil Engineering Institute: Kazan, Ul. Zelenaya 1; faculties: Construction, Constructional Technology; 320 teachers; 6,200 students; library of 213,000 vols.; Evening and General Engineering Faculties; Rector M. I. Kuliev.

Kharkov Civil Engineering Institute: Kharkov, Ul. Sumskaya 40; faculties: Construction, Sanitary Engineering; library of 218,000 vols.; Evening and General Engineering Faculties; Rector V. P. Sachko.

Kharkov Institute of Municipal Engineers: Kharkov, Ul. Revolyutsii 12; f. 1930; faculties: Construction, Municipal Electrical Transport, Economics; library of 150,000 vols.; Evening Department; Rector V. Butenko.

Kiev Civil Engineering Institute: Kiev 37, Vozdukhoflotsky prosp. 99/101; f. 1930; faculties: Architecture, Construction, Constructional Technology, Municipal Construction, Sanitary Engineering and Construction Industry Automation; 530 teachers; 900 students; library of 400,000 vols.; Evening Faculty; Rector I. A. Vetrov.

Kuibyshev A. I. Mikoyan Civil Engineering Institute: Kuibyshev, Ul. Molodogvardeyskaya 194; f. 1930; faculties: Construction, Sanitary Engineering; 270 teachers; 5,100 students; library of 290,000 vols.; Evening and Extra-Mural Faculties; Rector V. P. Koryakin.

Leningrad Civil Engineering Institute: Leningrad, Ul. Krasnoarmeyskaya 4; faculties: Construction, Town Building, Sanitary Engineering, Engineering and Motorways; library of 450,000 vols.; Evening and Extra-Mural Faculties; Rector N. A. Yakovley.

Moscow V. V. Kuibyshev Civil Engineering Institute: Moscow, Shlyuzovaya Nab. 8; f. 1921; faculties: Construction, Hydraulic Engineering, Heat and Ventilation, Water and Sewerage, Constructional Technology, Urban Development, Engineering, Evening and Extra-Mural departments; 730 teachers; 9,600 students; library of 800,000 vols.; Rector Prof. N. A. Strelchuk.

Novosibirsk V. V. Kuibyshev Civil Engineering Institute: Novosibirsk, Ul. Leningradskaya 113; faculties: Architecture, Hydraulic Engineering, Construction No. 1, Construction No. 2; library of 278,000 vols.; Evening and Extra-Mural Faculties; Rector K. L. Provorov.

Odessa Civil Engineering Institute: Odessa, Ul. Didrikhsona 4; faculties: Construction, Hydraulic Engineering, Sanitary Engineering; library of 177,000 vols.; Evening Faculty; Rector P. L. Eremenko.

K. D. Pamfilov Academy of Municipal Economy: Moscow 123373, Volokolamskoe chaussée 116; f. 1931; Departments of Economics, Housing and Municipal Buildings, Automation and Computer Technology, Anti-corrosion Protection of Underground Metal Structures, Public Transport and Roads, Heat Supply and Ventilation, Electricity Supply, Municipal Sanitation, Mechanization, Tree-planting in Towns, Laundry Economy; 4 research institutes (Moscow, Leningrad, Sverdlovsk and Rostov-on-Don); a special designing bureau (Moscow); 3 experimental factories (Moscow and Leningrad); Dir. F. A. Shevelevi; Scientific Sec. E. Z. Yasin.

Penza Civil Engineering Institute: Penza, Ul. Titora 28; faculties: Construction, Technology, Sanitary Engineering; library of 104,000 vols.; Evening and Extra-Mural Departments; Rector N. A. Manzhov.

Poltava Civil Engineering Institute: Poltava, Prospekt I Maya 24; f. 1930; faculties: Construction, Sanitary Engineering; 200 teachers; 4,100 students; library of 189,000 vols.; Evening Department; Rector I. S. Dotsenko.

Rostov-on-Don Civil Engineering Institute: Rostov-on-Don, Ul. Sozialisticheskaya 162; faculties: Construction, Road Building, Constructional Technology; library of 235,000 vols.; Evening and Extra-Mural Faculties; Rector V. P. Ananièv.

Samarkand Civil Engineering Institute: Samarkand, Ul. Lyalyazar 64; faculties: Architecture, Industrial and Civil Engineering, Town Planning; evening and extramural departments; library of 400,000 vols.

Tomsk Civil Engineering Institute: Tomsk, Solyanaya ploshchad 2; f. 1952; faculties: Architecture, Construction, Engineering, Road Building and Technology; Evening and Extra-Mural Departments; 420 teachers; 6,600 students; library of over 400,000 vols.; Rector G. M. Rogov.

Tselinograd Civil Engineering Institute: Tselinograd, Ul. Tsiolkovskogo 2; f. 1964; Faculty of Construction; Evening Department; 140 teachers; 2,700 students; Rector I. A. Bagrov.

Ust-Kamenogorsk Institute of Construction and Road Building: Ust-Kamenogorsk, Studenchesky gorodok; f. 1958; faculties: Construction, Road Building, Architecture; 400 teachers; 6,700 students; library of 180,000 vols.; Evening Department; Rector A. K. Sidorov.

Vilnius Civil Engineering Institute: Vilnius 232661, Sauletekio aleja 11, Lithuanian S.S.R.; f. 1969; faculties: Architecture, Construction, Urban Construction, Economic Construction, Mechanical Technology, Automation; library of 437,753 vols.; Rector A. Čyras.

Volgograd Institute of Municipal Engineers: Volgograd, Ul. Akademicheskaya 1; f. 1952; faculties: Construction, Sanitary Engineering, Motor Highways; 370 teachers; 7,400 students; library of 225,000 vols.; Evening Faculty and Extra-Mural Department; Rector R. I. Tsigankov.

Voronezh Civil Engineering Institute: Voronezh, Ul. 20-Letiya Oktyabrya 84; f. 1930; faculties: Engineering, Construction, Sanitary Engineering, Constructional Technology; library of 310,000 vols.; Evening Department and Extra-Mural Faculty; Rector R. S. Sheliapin.

(8) Textile and Other Light Industries

All-Union Extra-Mural Institute of the Textile and Light Industries: Shabolovka 24, Moscow; f. 1932; faculties: Textile Industry, Light Industry, Chemical Technology, Economics; 320 teachers; 13,400 students; library of 290,000 vols.; Rector S. I. Ovchinnikov.

Ivanovo M. V. Frunze Textile Institute: Ivanovo, Ul. F. Engelsa 21; f. 1930; faculties: Technology, Engineering; 260 teachers; 4,200 students; library of 207,000 vols.; Evening and Extra-Mural Faculty; Rector A. Y. Izmestyeva.

Kiev Technological Institute of Light Industry: Kiev, Ul. Nemirovicha-Danchenko 2; f. 1930; faculties: Technology of Sewing Industry, Knitted-Wear, Shoe Industry, Chemical Technology, Engineering, Economics; 441 teachers; 8,500 students; library of 700,000 vols.; Extra-Mural department; Evening and General Engineering Faculties; Rector I. E. Debrivny.

Leningrad S. M. Kirov Institute of Textile and Light Industry: Leningrad, Ul. Herzena 18; f. 1930; faculties: Technology, Chemical Technology, Engineering, Sewing Industry, Shoe Industry, Industrial Economics, Evening and Extra-Mural departments; 370 teachers; 8,100 students; library of 310,000 vols.; Rector Prof. G. I. Arefyev.

Moscow Technological Institute of Light Industry: Moscow, Ul. Poliny Osipenko 33; faculties: Chemical Technology, Technology, Engineering; library of 180,000 vols.; Evening Faculty; branches in Novosibirsk and Podolsk; Rector I. P. Strakhov.

Moscow Textile Institute: Moscow, Ul. Donskaya 26; f. 1919; faculties: Mechanical Technology, Textile Machine Building, Power Engineering, Chemical Technology, Applied Arts, Economics; 450 teachers; 5,500 students; library of 390,000 vols.; Evening and Extra-Mural Faculties (for the improvement of the teaching staff at textile institutes); Rector I. A. Martynov.

Tashkent Textile Institute: Tashkent, 2nd Vyborgskaya ul. 5; f. 1932; faculties: Mechanical Working of Fibre Materials, Technology, Chemistry and Economics; 320 teachers; 6,200 students; library of 227,000 vols.; Evening and Extra-Mural Departments; Rector M. M. Muhamedov.

Vitebsk Technological Institute of Light Industry: Vitebsk, Smolenskoe Chaussée 90; f. 1965; faculties: Textile Studies, Textile Technology, Light Industry Studies, Evening and Extra-Mural Faculties; 100 teachers; 1,700 students; Rector S. E. Savitsky.

(9) Food Industry

All-Union Extra-Mural Institute of Food Industry: Moscow, Ul. Chkalova 73; faculties: Food Production, Technology, Engineering, Fisheries and Fish Processing, Economics, Economics and Management of Storing of Agricultural Products; library of 164,000 vols.; five brs.; Rector G. V. Kruschov.

Astrakhan Institute of Fish Industry: Astrakhan, Ul. Tatishcheva 16; faculties: Technology, Fishing, Engineering; library of 115,000 vols.; Evening and Extra-Mural Faculties; Rector A. Z. Shcherbakov.

Dzhambul Technological Institute of Food and Light Industries: Dzhambul, Ul. Kommunisticheskaya 58; faculties: Food Technology, Light Industry; Evening and Extra-Mural Departments; Rector H. S. Seitov.

Far Eastern Institute of Fish Industry: Vladivostok, Ul. Leninskaya 25; faculties: Food, Fishing, Engineering, Seamanship; library of 100,000 vols.; Evening and Extra-Mural Faculties; Rector V. P. Oleynik.

Kaliningrad Institute of Fish Industry: Kaliningrad, Sovetsky prospekt 2; faculties: Fishing, Technology, Ichthyology, Ship Building, Engineering, Economics; library of 295,000 vols.; Evening and Extra-Mural Departments; Rector L. B. Eitvid.

Kiev Technological Institute of Food Industry: Kiev, Ul. Vladimirskaya 68; faculties: Mechanics, Sugar Technology, Baking, Confectionery and Brewing Technology, Meat and Dairy Industry Technology, Industrial Economics, Thermal-Energetics and Automation of Food Industries; Extra-Mural and Part-Time Departments; library of 236,000 vols.; Evening Department; Rector S. Guly.

Krasnodar Institute of the Food Industry: Ul. Krasnaya 135, Krasnodar.

Leningrad Technological Institute of Refrigerating Industry: Leningrad, Ul. Lomonosova 9; faculties: Refrigeration, Engineering, Technology; library of 272,000 vols.; Evening and Extra-Mural Faculties; Rector M. R. Dorokhin.

Moscow A. I. Mikoyan Technical Institute of Fisheries and the Fish Industry: Pryanishnikova 2a, Moscow.

Moscow Technological Institute of Dairy and Meat Industries: Moscow, Ul. Talalikhina 33; faculties: Technology, Engineering, Economics, Veterinary and Sanitation; library of 240,000 vols.; Evening and Extra-Mural Faculties; Rector N. P. Yanushkin.

Moscow Technological Institute of Food Industry: Moscow 125080, Volokolamskoe chaussée 11; faculties: Flour Grinding and Elevators, Food Processing, Engineering, Engineering-Economics; 5,500 students; library of 834,000 vols.; Evening Department; Rector V. V. Krasnikov.

Odessa Technological Institute of Food and Refrigerating Industries: Odessa, Ul. Petra Velikogo 1–3; f. 1930; faculties: Technology, Engineering, Refrigeration; 400 teachers; 7,500 students; library of 250,000 vols.; Rector V. S. Martinovsky.

(10) Timber Industry

All-Union Extra-Mural Technical Institute of the Timber Industry: Institutskyi per. 3, Leningrad; library of 200,000 vols.

Arkhangelsk V. V. Kuibyshev Forest Engineering Institute: Arkhangelsk, Naberezhnaya Lenina 17; f. 1929; faculties: Forest Engineering, Forestry, Forest Machinery, Industrial Thermodynamics, Timber Technology, Industrial and Civil Construction; 400 teachers; 6,600 students; library of 320,000 vols.; Evening and Extra-Mural Faculties; Rector I. M. BOKHOVKIN; publ. *Lesnoy zhurnal* (Forest Journal, six issues a year).

Byelorussian S. M. Kirov Technological Institute: Minsk, Ul. Sverdlova 13; f. 1930; faculties: Forest Engineering, Forestry, Timber Engineering, Chemical Technology; 340 teachers; 5,300 students; library of 350,000 vols.; Extra-Mural Department; Rector V. S. VIKHROV.

Leningrad S. M. Kirov Academy of Wood Technology: 194018 Leningrad, Institutsky per. 5; f. 1803; faculties: Forestry, Forest Engineering, Forest Machinery, Mechanical Technology of Wood, Chemical Technology of Wood, Economics of Forest Engineering; Evening and Extra-Mural departments; 607 teachers; 12,000 students; library of 1,320,000 vols.; Rector Prof. A. I. KIPRIANOV; publ. *Nautchnye trudy* (3–4 issues a year).

Lvov Forest Engineering Institute: Lvov, Ul. Pushkinskaya 103; f. 1945; faculties: Forest Engineering, Forestry, Timber Technology; 270 teachers; 4,700 students; library of 210,000 vols.; Evening and Extra-Mural Faculty; Rector A. I. YATSVK.

Mari A. M. Gorky Polytechnic Institute: Mari Autonomous S.S.R., Yoshkar-Ola, Ploshchad Lenina 3; f. 1932 as Povolzhye Forest Engineering Institute; faculties: Mechanics, Timber Engineering, Forest Economy, Evening and Extra-Mural Faculties, Dendrological Garden, Forestry School; Rector A. K. LITOVINSKY; publ. *Trudy Povolzhskogo Lesotechnicheskogo Instituta* (Transactions of the Povolzhye Forest Engineering Institute).

Moscow Forest Engineering Institute: Moscow Region, Mytishchi, Poselok Stroitel; faculties: Electronics and Computing Equipment, Mechanization of Wood Working, Mechanization of Wood Plastics, Forestry and Planting in Towns; library of 400,000 vols.; Extra-Mural Faculty; Rector A. H. OBLIVIN.

Siberian Technological Institute of the Timber Industry: Krasnoyarsk, Prospekt Mira 82; faculties: Forest Engineering, Forestry, Timber Engineering, Woodworking Technology, Chemical Technology; library of 243,000 vols.; Evening and Extra-Mural Faculties; Rector I. I. TRIBNIKOV.

Urals Forest Engineering Institute: Sverdlovsk, Sibirsky Trakt, 5th Kilometre; faculties: Forest Engineering, Forestry, Forest Machinery, Timber Technology, Chemical Technology; library of 370,000 vols.; Extra-Mural Faculty; Rector B. K. KRASNOSENOV.

Voronezh Forest Engineering Institute: Voronezh, Ul. Timiryazeva 8; f. 1918; faculties: Forest Engineering, Forestry, Forest Machinery, Timber Technology; 310 teachers; 6,000 students; library of 230,000 vols.; Evening Department and Extra-Mural Faculty; Rector A. D. DUDARYEV.

(11) PRINTING

Moscow Institute of Printing: Prianischnikova 2nd, Moscow A-8; faculties: Machine Building, Technology, Economics, Typography; library of 400,000 vols.; Extra-Mural Department.

Ukrainian Institute of Printing: Podvalnaya 17, Lvov, Ukrainian S.S.R.; library of 135,000 vols.; Extra-Mural Department.

(12) INSTITUTES FOR ENGINEER-ECONOMISTS

Kharkov Institute of Engineering and Economics: Kharkov, Prospekt Lenina 9; f. 1930; faculties: Machine Building, Chemistry, Metallurgy, Mining; 225 teachers; 5,000 students; library of 170,000 vols.; Evening Faculty; Rector K. A. SHTEN.

Leningrad P. Togliatti Institute of Engineering and Economics: Leningrad, Ul. Marata 27; faculties: Machine Building, Municipal Economy, Chemistry, Power; library of 220,000 vols.; Evening and Extra-Mural Faculties; Rector I. I. SIGOV.

Moscow Sergo Orjonikidze Institute of Engineering and Economics: Moscow, Podsosensky per. 20; faculties: Machine Building, Chemistry and Metallurgy, Power, Motor and Air Transport, Construction and Municipal Economy; library of 280,000 vols.; Evening and Extra-Mural Faculties; Rector O. V. KOZLOVA.

LAND SURVEYING AND CARTOGRAPHY

Moscow Institute of Engineers for Geodesy, Aerial Photography and Cartography: Moscow, Gorokhovsky per. 4; faculties: Geodesy, Air Photography and Geodesy, Optics and Mechanics, Cartography; library of 230,000 vols.; Evening Department and Extra-Mural Faculty; Rector V. D. BOLSHAKOV.

Novosibirsk Institute of Engineers for Geodesy, Aerial Photography and Cartography: Novosibirsk, Ul. Plakhotnogo 10; faculties: Geodesy, Cartography; library of 100,000 vols.; Extra-Mural Faculty; Rector K. L. PROVOROV.

LANGUAGES

Alma-Ata Pedagogical Institute of Foreign Languages: Alma-Ata 12, Ul. Muratbaeva 200; f. 1942; faculties: English, German, French; Rector Dr. D. NURYMBEK.

Andijan Pedagogical Institute of Languages: Andijan, Ul. Mira 1; f. 1966; faculties: Russian Language and Literature, Foreign Languages (English, German, French); Rector K. M. ISHANOVICH; publ. *Scientific Proceedings.*

Azerbaijan M. F. Akhundov Pedagogical Institute of Languages: Baku, Ul. Lieutenant Shmidta 58; f. 1959; faculties: Russian, English, French and German languages; Evening and Extra-Mural departments; Rector Dr. A. S. ABDULLAJEV; publ. *Scientific Proceedings* (quarterly).

LAW

All-Union Extra-Mural Law Institute: Ul. Starokirpitchnaja 13, Moscow B5; library of 210,000 vols.; five brs.

Kharkov Law Institute: Ul. Pushkinskaya 77, Kharkov, Ukrainian S.S.R.; library of 256,000 vols.

Saratov D. I. Kursky Law Institute: Ul. M. Gorkogo 45, Saratov; library of 195,000 vols.

Sverdlovsk Law Institute: Ul. Komsomolskaya 1, Sverdlovsk; f. 1931; 260 teachers; 8,500 students; library of 160,000 vols.; Rector D. D. OSTAPENKO.

LIBRARIANSHIP AND ARCHIVES

Chelyabinsk State Institute of Culture: Chelyabinsk, Ul. Ordjonikidze 35; departments: library science, folk music.

Chimkent State Institute of Culture: Chimkent, Sovietskaya ul. 33, Kazakh S.S.R.; departments: library science, music and singing.

Eastern Siberian State Institute of Culture: Ulan-Ude, Ul. Tereshkovoji 1; library of 91,000 vols.; departments: Library Science, Bibliography; library of 145,000 vols.; Extra-Mural Department; one br.

Khabarovsk State Institute of Culture: Khabarovsk, Krasnorechenskaya ul. 112; department: library science.

Kharkov State Institute of Culture: Kharkov, Bursatsky Spusk 4, Ukrainian S.S.R.; departments: library science; folk culture.

Kiev State Institute of Culture: Kiev, Ul. Chigorina 20, Ukrainian S.S.R.; departments: library science; folk culture.

Krasnodar State Institute of Culture: Krasnodar, Shosseinaya ul. 33; departments: library science; folk culture.

Leningrad N. K. Krupskaya Institute of Culture: Leningrad D-41, Dvortzovaya naberezhnaya 4; f. 1918; librarianship, cultural and educational work; 625 teachers; 7,212 students; library of 350,000 vols.; Rector Y. Y. Zazersky; publ. *Trudy Instituta* (Proceedings).

Moscow Institute for Historian-Archivists: Ul. 25 Oktyabrya 15, Moscow; library of 300,000 vols.; Extra-Mural Department.

LITERATURE

Moscow Literary Institute of the Union of Soviet Writers: Tversk. Bd. 25, Moscow; library of 106,000 vols.

MEDICINE

(1) General Medicine

Aktiubinsk State Medical Institute: Ul. Lenina 78, Aktiubinsk; library of 62,000 vols.; Evening Department.

Alma-Ata Medical Institute: Ul. Komsomolskaya 96, Alma-Ata; departments: General Practice, Paediatrics, Stomatology, Pharmacy; library of 221,000 vols.; Evening and Extra-Mural Departments.

Altai Medical Institute: Prospekt V. I. Lenina 40, Barnaul; library of 121,000 vols.; General Practice Dept., Evening Department.

Andijan Medical Institute: Prospekt Navoi 239, Andijan, Uzbek S.S.R.; library of 105,000 vols.; Evening Department.

Arkhangel Medical Institute: Ul. Vinogradova 51, Arkhangel; departments: General Practice, Stomatology; library of 184,000 vols.; Evening Department; Rector N. P. Bychikhin.

Astrakhan Medical Institute: Ul. Mechnikova 20, Astrakhan; f. 1918; library of 281,782 vols.; Evening Department; Rector Prof. U. S. Tatakinov.

Azerbaijan N. Narimanov Medical Institute: Ul. Bakichanova 23, Baku, 22 Azerbaijan S.S.R.; library of 203,000 vols.

Bashkir 15th Anniversary of the Komsomol Medical Institute: Ul. Frunze 47, Ufa, Bashkir A.S.S.R.; library of 216,000 vols.

Blagovestshensk State Medical Institute: Ul. Gorkogo 93, Blagovestshensk-on-Amur.

Chelyabinsk State Medical Institute: Ul. Vorovskogo 64, Chelyabinsk; library of 300,000 vols.; Rector D. A. Glubokov.

Chernovtsy State Medical Institute: Teatralnaya pl. 2, Chernovtsy, Ukrainian S.S.R.; library of 174,000 vols

Chita State Medical Institute: Ul. Gorkogo 39A, Chita; library of 160,000 vols.; Rector V. G. Kuzmin.

Crimean State Medical Institute: Bd. Lenina 5/7, Simferopol, Ukrainian S.S.R.; library of 118,000 vols.

Daghestan State Medical Institute: Ploshchad im. Lenina, Makhachkala, Daghestan A.S.S.R.

Dnepropetrovsk State Medical Institute: Ul. Dzerzhinskogo 9, Dnepropetrovsk, Ukrainian S.S.R.; library of 440,000 vols.; Rector Prof. I. I. Kryzhanovsky.

Donetsk A. M. Gorky Medical Institute: Prospect Iljucha 16, Donetsk, Ukrainian S.S.R.; library of 381,000 vols.

Erevan State Medical Institute: Ul. Kirova 2, Erevan, 25, Armenian S.S.R.; library of 224,000 vols.

Gorky S. M. Kirov Medical Institute: Pl. Minina i Pozharskogo 10/1, Gorky; f. 1920; library of 300,000 vols.; Rector Dr. I. F. Matyushin.

Grodno State Medical Institute: Ul. Ozhesho 1, Grodno; Rector D. A. Maslakov.

Irkutsk State Medical Institute: Ul. Krasnogo Vosstania 1, Irkutsk; f. 1919; Rector Prof. A. I. Nikitin.

Ivano-Frankovsk Medical Institute: Ivano-Frankovsk, Ul. Galitskaya 2; library of 109,000 vols.

Ivanovo State Medical Institute: Ul. Engelsa 7, Ivanovo; library of 141,000 vols.

Izhevsk State Medical Institute: Revolyutsionnaya 199, Izhevsk, Udmurt A.S.S.R.; library of 200,000 vols

Kalinin State Medical Institute: Ul. Sovietskaya 4, Kalinin; library of 200,000 vols.; Rector R. D. Novoselov.

Karaganda State Medical Institute: Ul. Alalikina 7, Karaganda, Kazakh S.S.R.; library of 250,000 vols.; Rector P. M. Pospelov.

Kaunas State Medical Institute: Ul. Mitskevichaus 9, Kaunas, Lithuanian S.S.R.; f. 1951; 352 teachers; library of 530,000 vols.; Rector Prof. Z. I. Januškevičius.

Kazan State Medical Institute: Ul. Butlerova 49, Kazan, Tatar A.S.S.R.; library of 166,000 vols.

Kemerovo State Medical Institute: Ul. Nazarova 1, Kemerovo Region; f. 1956; library of 170,000 vols.; Rector A. D. Tkachev.

Khabarovsk State Medical Institute: Ul. K. Marxa 47, Khabarovsk; library of 184,000 vols.

Kharkov State Medical Institute: Prospekt Lenina 4, Kharkov, Ukrainian S.S.R.; f. 1921; 400 teachers; 3,600 students; library of 340,000 vols.; Rector B. A. Zadorozhny.

Kiev A. A. Bogomolets Medical Institute: Bd. Shevchenko 13, Kiev, Ukrainian S.S.R.; library of 400,000 vols.

Kirghiz State Medical Institute: Ul. 50 Ut Oktjabrja 92, Frunze, Kirghiz S.S.R.; library of 200,000 vols.; Rector V. A. Isabaeva.

Kishinev State Medical Institute: Pr. Lenina 165, Kishinev, Moldavian S.S.R.; library of 232,000 vols.; publ. *Transactions of Kirghiz State Medical Institute.*

Krasnoyarsk State Medical Institute: Ul. Partizana Zheleznyaka 1, Krasnoyarsk; library of 420,000 vols.

Kuban "Red Army" Medical Institute: Ul. Sedina 4, Krasnodar; library of 350,000 vols.; Rector V. A. Latyshev.

Kuibyshev State Medical Institute: Ul. Chapaevskaya 89, Kuibyshev; library of 292,000 vols.

1st Leningrad I. P. Pavlov Medical Institute: Ul. L. Tolstogo 6/8, Leningrad; library of 563,000 vols.

Leningrad Institute of Sanitation and Hygiene: Piskarevsky prospect 17, Leningrad; library of 350,000 vols.; Rector Prof. A. J. Ivanov.

Leningrad Medical Paediatrics Institute: Ul. Litovskaya 2, Leningrad; library of 400,000 vols.; Rector Prof. G. A. Kajsaryants.

Lvov State Medical Institute: Ul. Pekarskaya 69, Lvov, Ukrainian S.S.R.; library of 240,000 vols.

Minsk State Medical Institute: Prospekt Lenina 6, Minsk, Byelorussian S.S.R.; library of 230,000 vols.

1st Moscow Medical Institute: B. Pirogovskaya 2/6, Moscow; library of 600,000 vols.

2nd Moscow N. I. Pirogov State Medical Institute: Moscow, Malaya Pirogovskaya ul. 1; f. 1906; faculties: General Practice, Paediatrics, Medical Biology, Evening dept.; 700 teachers; 7,000 students; Rector Prof. Dr. U. M. Lopukhin.

Moscow Medical Institute of the Health Ministry of the R.S.F.S.R.: B. Gruzinskaya 10, Moscow.

North Ossetian Medical Institute: Pushkinskaya 40, Ordjonikidze, North Ossetian A.S.S.R.; library of 127,000 vols.; Rector M. A. Totkov.

Novosibirsk State Medical Institute: Krasny pr. 52, Novosibirsk; library of 360,000 vols.; Rector Prof. V. P. Kasnaecheev.

Odessa N. I. Pirogov Medical Institute: Meditsinsky per. 2, Odessa, Ukrainian S.S.R.; library of 433,000 vols.

Omsk M. I. Kalinin Medical Institute: Ul. Lenina 12, Omsk; library of 520,000 vols.; Rector Prof. V. P. GOVOROV.

Orenburg State Medical Institute: Ul. Sovietskaya 6, Orenburg; library of 160,000 vols.

Perm State Medical Institute: Ul. Kommunisticheskaya 26, Perm; library of 300,000 vols.; Rector T. V. IVANOVSKAYA.

Riga State Medical Institute: Bulvar Padomyu 12, Riga, Latvian S.S.R.; library of 166,000 vols.

Rostov State Medical Institute: Nakhichevansky pr.29a, Rostov-on-Don; f. 1931; library of 340,000 vols.; Rector Prof. U. D. RYZHKOV.

Ryazan I. P. Pavlov Medical Institute: Ul. Mayakovskogo 105, Ryazan; library of 213,000 vols.

Samarkand I. P. Pavlov Medical Institute: Ul. Jitomirskaya 6, Samarkand, Uzbek S.S.R.; f. 1930; library of 250,000 vols.; Rector U. K. VAKHABOVA.

Saratov State Medical Institute: Ul. 20-letya VLKSM 112, Saratov; f. 1909; library of 9,500,000 vols; Rector Prof. N. R. IVANOV.

Smolensk State Medical Institute: Ul. Glinki 3, Smolensk; library of 207,000 vols.

Stavropol Territorial Medical Institute: Ul. Mira 310, Stavropol-Kavkazsky; f. 1937; library of 175,000 vols.; Rector Prof. V. Y. PERVUSHIN.

Sverdlovsk State Medical Institute: Ul. Repina 3, Sverdlovsk; f. 1931; library of 500,000 vols.; Rector V. N. KLIMOV.

Tajik Ibn-Cina Abu-Ali (Avicenna) State Medical Institute: Dushanbe, Prospekt Lenina 139, Tajik S.S.R.; f. 1939; library of 128,000 vols.; Rector Prof. Acad. K. T. TADZHIEV.

Tashkent State Medical Institute: Ul. K. Marxa 103, Tashkent, Uzbek S.S.R.; f. 1919; library of 470,000 vols.; Rector Prof. K. A. ZUFAKOV.

Tbilisi State Medical Institute: Ul. Melikishvili 10, Tbilisi 9, Georgian S.S.R.; f. 1918; 400 staff; 3,500 students; library of 300,000 vols.; Rector P. G. GELBAKHIANI; publ. *Trudy* (Proceedings) (biennially).

Ternopol State Medical Institute: Teatralnaya pl. 2, Ternopol, Ukrainian S.S.R.

Tomsk State Medical Institute: Moskovsky Tract 2, Tomsk; f. 1888; library of 350,000 vols.; Rector Prof. I. V. TOROPTSEV.

Turkmen State Medical Institute: Ul. Shaumyana 58, Ashkhabad, Turkmenian S.S.R.; f. 1932; library of 191,000 vols.; Rector D. N. NEPESOV.

Tyumen State Medical Institute: Tyumen, Ul. Odesskaya 58; f. 1963; 280 teachers; 2,500 students.

Vinnitsa State Medical Institute: Ul. Pirogova 54, Vinnitsa, Ukrainian S.S.R.; library of 187,000 vols.

Vitebsk State Medical Institute: Prospekt Frunze 27, Vitebsk, Byelorussian S.S.R.; library of 145,000 vols.

Vladivostok State Medical Institute: Ostrjakova prospekt 2, Vladivostok.

Volgograd State Medical Institute: Ploshchad Pavshikh Bortsov 1, Volgograd; library of 181,000 vols.

Voronezh State Medical Institute: Ul. Studentcheskaya 10, Voronezh; library of 170,000 vols.

Yaroslavl State Medical Institute: Ul. Revolutsionnaya 5, Yaroslavl; library of 137,000 vols.

Zaporozhye State Medical Institute: Ul. Minskaya 10, Zaporozhye; f. 1965; Rector I. I. TOKARENKO.

(2) PHARMACEUTICS

Kharkov Pharmaceutical Institute: Ul. Pushkinskaya 53, Kharkov, Ukrainian S.S.R.; f. 1921; 120 teachers; 1,300 students; library of 52,000 vols.; Rector G. P. PIVNENKO.

Leningrad Chemical-Pharmaceutical Institute: Leningrad 197022, Ul. Popova 4/6; f. 1919; 14 mems.; library of 304,000 vols.; Dir. N. V. LESCHEVA.

Perm Pharmaceutical Institute: Ul. Lenina 48, Perm; library of 80,000 vols.

Piatigorsk Pharmaceutical Institute: Prospekt Kirova 33, Piatigorsk, Stavropolsk; f. 1943; 120 teachers; 1,700 students; library of 56,000 vols.; Rector V. G. BELIKOV.

Tashkent Pharmaceutical Institute: Ul. K. Marxa 103, Tashkent, Uzbek S.S.R.; library of 100,000 vols.

(3) STOMATOLOGY

Moscow Medical Stomatological Institute: Kalyayevskaya 18, Moscow; f. 1935; library of 113,000 vols.

(4) MOTHER AND CHILD CARE AND DISEASES OF WOMEN AND CHILDREN

All-Union Research Institute of Obstetrics and Gynaecology: Moscow G-435, Elansky 2; f. 1944; library of 125,000 vols.; Dir. Acad. Prof. L. S. PERSIANINOV.

Armenian Gynaecological Institute: Prosp. Lenina 22, Erevan.

Azerbaijan Institute of Mother and Child Care: 7-a Parallelnaya 17, Baku, Azerbaijan S.S.R.

Byelorussian Maternity and Child Welfare Institute: Ul. Krasnoarmeyskaya 34, Minsk.

Gorky Region Institute of Mother and Child Care: Ul. Semashko 22, Gorky.

Kazakhstan Maternity and Child Welfare Institute: Ul. Mnogovodnaya 17, Alma Ata.

Kharkov Research Institute of Mother and Child Care: Kharkov, Ukrainian S.S.R.

Lvov Research Institute of Mother and Child Care: Ul. Lysenko 31, Lvov, Ukrainian S.S.R.

Moscow Regional Gynaecological Institute: Lepeshinsky tupik 3, Moscow.

Paediatric Research Institute: Ul. Prof. Popova 9, Leningrad.

Paediatric Research Institute: Ul. Kropotkina 37, Moscow.

Rostov Region Paediatric Research Institute: Dolomanovsky per. 142, Rostov-on-Don.

Sverdlovsky Maternity and Child Welfare Institute: Ul. Repina 1, Sverdlovsk.

Turner Child Orthopaedics Research Institute: Lakhtinskaya 10/12, Leningrad.

Ukrainian Institute of Mother and Child Care: Vozdukhoflotskoe chaussée 24, Kiev, Ukrainian S.S.R.

(5) TUBERCULOSIS

Azerbaijan Institute of Tuberculosis: Prospekt Lenina 83, Baku.

Byelorussian Institute of Tuberculosis: Ul. Karla Liebknechta, Minsk.

I. M. Sechenov Climatotherapy Institute of Tuberculosis: Ul. Massandrovskaya 42, Yalta.

Kazakhstan Institute of Tuberculosis: Ul. Gorodskaya 5, Alma-Ata.

Kharkov Tuberculosis Research Institute: Ul. Chernyshevskaya 83, Ukrainian S.S.R.

Leningrad Institute of Surgical Tuberculosis and Diseases of the Bones and Joints: Ul. Institutskaya 6, Leningrad.

Leningrad Institute of Tuberculosis: Ligovsky pr. 2/4, Leningrad.

Lithuanian Republican Institute of Tuberculosis: Vilnius, Ul. Gilioi 8.

Lvov State Tuberculosis Research Institute: Ul. Engelsa 22, Lvov, Ukrainian S.S.R.

Moscow Region Tuberculosis Institute: Ul. Dostoyevskogo 4, Moscow.

National Scientific Research Institute of Tuberculosis: 50 Zacomoldina, Tbilisi, Georgian S.S.R.; f. 1930; library of 24,512 vols.; Dir. O. G. BATIASHVILI, M.D.; publ. Works of members of the Institute.

Novosibirsk Institute of Tuberculosis: Ul. Chaplygina 75, Novosibirsk.

Odessa Tuberculosis Research Institute: Ul. Belinskogo 11, Odessa, Ukrainian S.S.R.

Sverdlovsk Tuberculosis Research Institute: Ul. K. Liebknechta 36, Sverdlovsk.

Uzbekistan Anti-Tuberculosis Research Institute: Ul. Madzhlisi 1, Tashkent 86; f. 1932; research work, prophylaxis and treatment; library of 60,000 vols.; Dir. Sh. A. ALIMOV; publs. *Sbornik trudov* (Bulletin of Labour), Reports, *Monographs.*

(6) EPIDEMIOLOGY AND MICROBIOLOGY

Arkhangel Institute of Epidemiology, Microbiology and Hygiene: Pr. Ch.-Luchinskogo 32, Arkhangel.

Ashkhabad Institute of Epidemiology and Hygiene: Ul. Pervomaiskaya 137, Ashkhabad, Turkmen S.S.R.

Azerbaijan Institute of Epidemiology, Microbiology and Hygiene: Ul. Gamalei 23, Baku.

Byelorussian Institute of Microbiology, Epidemiology and Hygiene: Ul. Nogina 3, Minsk, Byelorussian S.S.R.

Central Asian Institute of Microbiology and Virology: Ul. Kirova 103, Alma-Ata, Kazakh S.S.R.

Dnepropetrovsk Institute of Epidemiology, Microbiology and Hygiene (Gamaley Institute): Prospekt Karla Marxa 2, Dnepropetrovsk.

Gorky Institute of Epidemiology and Microbiology: Gruzinskaya ul. 44, Gorky.

Kazan Institute of Epidemiology, Microbiology and Hygiene: B. Krasnaya ul. 65, Kazan.

Khabarovsk Institute of Epidemiology and Hygiene: Ul. Shevchenko 4, Khabarovsk.

Kirghiz Institute of Epidemiology, Microbiology and Hygiene: Kirghizskaya 55, Frunze, Kirghiz S.S.R.

Kuibyshev Institute of Epidemiology, Microbiology and Hygiene: Chapayevskaya 87, Kuibyshev.

Leningrad Pasteur Institute of Epidemiology and Microbiology: Leningrad, Ul. Mira 14; f. 1923; library of 60,000 ,vols.; Dir. T. V. PERADZE, M.D.; publ. *Proceedings* (1–2 per year).

Moldavian Institute of Epidemiology, Microbiology and Hygiene: Kishinev, Ul. Ostrovskogo 13.

Moscow Mechnikov Institute of Epidemiology, Microbiology and Hygiene: Ul. Chernyshevskogo 44, Moscow.

Sverdlovsk Institute of Epidemiology, Microbiology and Hygiene: Ul. R. Luxemburga 75, Sverdlovsk.

Ukrainian Institute of Epidemiology, Microbiology and Hygiene: Ul. S. Razina 4, Kiev, Ukrainian S.S.R.

Uzhgorod Institute of Epidemiology, Microbiology and Hygiene: Ul. Grabarya 4, Uzhgorod.

(7) EYE DISEASES

Azerbaijan Research Institute of Ophthalmology: 6-ya Kommunisticheskaya ul. 5, Baku.

Chuvash Eye Diseases Research Institute: Ul. Sespelya 27, Cheboksary, Chuvash S.S.R.

Leningrad Institute of Eye Diseases: Mokhovaya 38, Leningrad.

Turkmen Eye Diseases Research Institute: Ul. Soyuznaya 32/2, Ashkhabad, Turkmen S.S.R.

Ufa Trachoma Institute: Ul. Pushkinskaya 20, Ufa.

Ukraine Experimental Institute for Eye Diseases and Tissue Therapy: Proletarsky Bulvar 49-51, Odessa; Dir. N. A. PUCHKOVSKAYA.

(8) DERMATOLOGY AND VENEREAL DISEASES

Central Institute of Dermatology and Venereal Diseases: Ul. Korolenko 3, Moscow.

Gorky Institute for Skin and Venereal Diseases: Ul. Kovalikhinskaya 49, Gorky.

Kazakhstan Skin and Venereal Disease Institute: Ul. Tsentralnaya 38, Alma-Ata.

Leningrad Research Institute of Antibiotics: Ogorodnikov prosp. 23, Leningrad; f. 1956; library of 35,000 vols.; Dir. I. M. TERESHIN.

Odessa Glavche Research Institute of Dermatology and Venereal Diseases: Ul. Polevaya 3, Krasnaya slobodka, Odessa, Ukrainian S.S.R.

Research Institute of Skin and Venereal Diseases: Tbilisi, ul. Ninoshvili 55; f. 1935; library of 21,300 vols.; Dir. Prof. Dr. L. T. SHETSIRULI; publ. *Trudy* (Proceedings, annual).

Sverdlovsk Region Institute of Dermatology and Venereal Diseases: Ul. K. Liebknechta 9, Sverdlovsk.

Turkmen Skin and Veneral Diseases Institute: Ul. Pervomaiskaya 77, Ashkhabad.

Ufa Skin and Venereal Diseases Institute: Ul. Frunze 43, Ufa.

Ukraine Skin and Venereal Diseases Institute: Ul. K. Marxa 17, Kharkov.

Uzbekistan Republic Skin and Venereal Diseases Institute: Kafanova 104, Tashkent; f. 1932; 45 doctors; library; Dir. N. T. TURSUNOV.

(9) HAEMATOLOGY AND BLOOD TRANSFUSION

Azerbaijan Blood Transfusion Institute: Baku, Nagornaya ul. 23.

Byelorussian Blood Transfusion Institute: Dolginovsky Trakt 133, Minsk.

Central Institute of Haematology and Blood Transfusion: Novozykovsky pr. 4, Moscow; f. 1926; library of 50,000 vols.; publ. *Sovremennie Problemi Hematologii i Perelivaniya Krovi* (monthly).

Kiev Blood Transfusion Research Institute: Ul. K. Liebknechta 39, Kiev, Ukrainian S.S.R.

Leningrad Blood Transfusion Institute: 2-a Sovetskaya ul. 16, Leningrad.

Lvov Institute of Blood Transfusion and Emergency Surgery: Ul. Pushkina 45, Lvov, Ukrainian S.S.R.

Uzbekistan Blood Transfusion Institute: Ul. Yaselnaya 51, Tashkent.

(10) Orthopaedics, Traumatology and Surgery

Azerbaijan Institute of Orthopaedics and Restorative Surgery: Nagornaya 21, Baku 5.

Central Artificial Limb Research Institute: 2-y Donskoy pr. 4a, Moscow.

Central Institute of Traumatology and Orthopaedics: Ul. Priorova 10, Moscow A-299; f. 1921; eleven clinics; library of over 40,000 vols.; Dir. Prof. M. V. Volkov; publ. *Urgent Problems on Traumatology and Orthopaedics* (twice a year).

Central Scientific Research Institute of Prosthetics and Artificial Limbs: Moscow 117071, 2 Donskoy pr., dom 6/4; f. 1943; approx. 300 scientific workers; library of 30,000 vols.; Dir. N. I. Kondrashin; publ. *Protezirovaniye i protezostroyeniye*† (Prosthetics and Artificial Limbs, bi-annual).

Donetsk Scientific Research Institute of Traumatology and Orthopaedics: Ul. Artema 106, Donetsk, Ukrainian S.S.R.

Georgia Institute of Traumatology and Orthopaedics: Ul. Kalinina 51, Tbilisi; Dir. B. Tsereteli.

Gorky Institute of Restorative Surgery, Orthopaedics and Traumatology: Nab. im. Zhdanova 18, Gorky.

Irkutsk Institute of Orthopaedics and Traumatology: Ul. Revoliutsii 1, Irkutsk.

Kazan State Institute of Orthopaedics and Traumatology: Ul. Gorkogo 3, Kazan.

Kharkov M. I. Sitenko Research Institute of Orthopaedics and Traumatology: Pushkinskaya ul. 80, Kharkov-24, Ukrainian S.S.R.; f. 1907; Dir. A. A. Korzh.

Kharkov Research Institute of General and Emergency Surgery: Chernyshevskaya ul. 7/9, Kharkov, Ukrainian S.S.R.

Kiev Institute of Orthopaedics: Ul. Vorovskogo 27, Kiev, Ukrainian S.S.R.

Kiev Research Institute of Neurosurgery: Kiev, 32 Manuilsky ul.; f. 1950; library of 30,000 vols.; Dir. Acad. Prof. A. P. Romodanov; Asst. Dir. Prof. Y. A. Zozulia; publ. *Neurosurgery* (annual).

Leningrad Artificial Limb Research Institute: Pr. K. Marxa 9/12, Leningrad.

Leningrad Institute of Traumatology and Orthopaedics: Park Lenina 5, Leningrad.

Minsk Institute of Orthopaedics and Restorative Surgery: Minsk, Ul. Lenina 30, Byelorussian S.S.R.

Novosibirsk Institute of Orthopaedics and Restorative Surgery: Ul. Frunze 33, Novosibirsk.

Saratov Institute of Restorative Surgery, Traumatology and Orthopaedics: Ul. Chernyshevskogo 148, Saratov.

Sverdlovsk Institute of Restorative Surgery, Traumatology and Orthopaedics: Bankovsky per. 7, Sverdlovsk.

Ukrainian Research Institute of Orthopaedics and Traumatology: Vorovskogo 27, Kiev, Ukrainian S.S.R.

Uzbek Institute of Orthopaedics and Traumatology: Kablukova 5, Tashkent, Uzbek S.S.R.

(11) Malaria and Parasitology

Azerbaijan Institute of Medical Parasitology and Tropical Medicine: Baku, Sarainskoe chaussée, 3165 kv.

R.S.F.S.R. Institute of Medical Parasitology: Moskovskaya 67, Rostov-on-Don.

Uzbek Institute of Malaria and Medical Parasitology: Gospitalnaya Ul 48, Samarkand, Uzbek S.S.R.

Virsaladze Institute of Medical Parasitology and Tropical Medicine of the Georgian S.S.R.: Ul. Plekhanov 139, Tbilisi 64.

(12) Vaccines and Sera

Gorky Research Institute of Vaccines and Sera: Gruzinskaya ul. 44, Gorky.

L. A. Tarasevich State Research Institute for Standardization and Control of Medical Biological Preparations: Moscow G-2, Sivtsev-Vrazhek per. 41; f. 1919; 420 staff; library of 16,000 vols.; Dir. Prof. S. G. Dzagurov; publ. various papers.

Leningrad Institute of Vaccines and Sera: Ul. akad. Pavlova 9, Leningrad.

Moscow Institute of Vaccines and Sera: Per. Mechnikova 5a, Moscow; Dir. A. Kanchurin.

Stavropol Institute of Vaccines and Sera: Ul. K. Khetagurova 24, Stavropol-Kavkazsky.

(13) Radiology and Oncology

Azerbaijan Institute of Roentgenology, Radiology and Oncology: 4-ya Nagornaya ul. 119, Baku.

Central Institute of Roentgenology and Radiology: Solyanka 7, Moscow, J28.

Central Research Insitute of Roentgenology and Radiology: 188646 Leningrad, Pesochnij-2, Ul. Leningradskaja 70/4; f. 1918; Dir. Prof. Dr. Med. K. B. Tikhonov.

Georgian Institute of Roentgenology and Medical Radiology: Ul. Ordzhonikidze 101, Tbilisi; Dir. G. Nazarishnili.

Kiev Research Institute of Roentgenology and Oncology: Kiev, Ukrainian S.S.R.

Lithuanian Research Institute of Oncology: Vilnius, Polocko str. 2, Lithuanian S.S.R.; Dir. Prof. Dr. A. Telichenas.

P. A. Herzen State Research Institute of Oncology: Vtoroy Botkinsky pr., Moscow.

Rostov Institute of Radiology and Oncology: Voroshilovsky pr. 119, Rostov-on-Don; affiliated to the Cheliabinsk Radiation Hygiene Institute.

Ukrainian Radiological and Oncological Institute: Pushkinshaya 82, Kharkov, Ukrainian S.S.R.

Voronezh Region Radiological and Oncological Institute: Ul. Kalyayeva 2, Voronezh.

(14) Neurology and Psychiatry

Byelorussian Institute of Neurology, Neuro-surgery and Physiotherapy: Podlesnaya 5, Minsk.

Central Sechenov Research Institutes: Zapadnaya ul. 1, Yalta, Crimea, Ukrainian S.S.R.

Georgian Institute of Psychiatry: Elektricheski per. 4, Tbilisi.

Kharkov Psycho-Neurological Research Institute: Kharkov, Ukrainian S.S.R.; Dir. O. R. Stepanenko.

Turkmen Institute of Neurology and Physiotherapy: Ul. Soiuznaya 32/2, Ashkhabad.

(15) Industrial Hygiene and Occupational Diseases

All-Union Labour-Protection Research Institute of the Central Council of Trade Unions: Ul. Furmanova 3, 192187 Leningrad; f. 1927; library of 75,000 vols.; Dir. V. I. Filpov; publs. Annotations of reports, booklets, information and scientific papers.

Central Research Institute for Evaluation of Working Capacity and Vocational Assistance to Disabled Persons: Ul. Ostriakova 3, Moscow A-57; f. 1930; Dir. Prof. Dr. D. I. Gritskevich.

Donetsk Institute of Industrial Physiology: 2-a linia 50, Donetsk, Ukrainian S.S.R.

Georgian Institute of Industrial Hygiene and Occupational Diseases: Prodolnaia ul. 27, Tbilisi 49.

Gorky Institute of Industrial Hygiene and Occupational Diseases: Ul. Semashko 20, Gorky.

Kharkov Research Institute of Industrial Hygiene and Occupational Diseases: Kharkov-22, Ul. Trinklera 6, Ukrainian S.S.R.; f. 1923; library of 36,547 vols.; publ. *Bulletin* (once every two years).

Kiev Institute of Industrial Hygiene and Occupational Diseases: Ul. Chkalova 33, Kiev, Ukrainian S.S.R.; f. 1928; library of 40,000 vols.; Dir. Prof. J. I. Kundiev; publ. *Labour Hygiene*.

Leningrad Research Institute of Industrial Hygiene and Occupational Diseases: 2-a Sovetskaya ul. 4, Leningrad.

Ufa Institute of Hygiene and Occupational Diseases: Ufa, Pervomayskaya ul. 20a.

Uzbekistan Institute of Sanitation and Hygiene: K. Marx 85, Tashkent.

(16) Other Medical Institutes

A. N. Marzeev Scientific Research General and Municipal Hygiene Institute: Kirova 7, Kiev; f. 1931; controlled by Health Ministry of Ukrainian S.S.R.; research in character, degree and basic laws of effects of environmental factors on the organism; elaboration and argumentation of hygienic standards, experiments on environmental protection; 400 staff; library of 47,000 vols.; Dir. M. G. Shandala; publ. *Hygiene of Populated Areas*†.

Armenian Institute of Spa Treatment and Physiotherapy: Orbeli St. 41, Erevan 375028; f. 1930; Dir. Prof. G. Agadjanian; publ. *Transactions of the Institute*.

Azerbaijan Institute of Spa Treatment and Physiotherapy: Balakhanskoe Chaussée 3, Baku.

Central Institute for Scientific Research in Health Education: Ul. Kirova 42, Moscow.

Central Scientific Research Institute of Health Resorts and Physical Therapy: Moscow 121099, Prospekt Kalinina 50; f. 1920; staff of 577; library of 67,400 vols.; Dir. Prof. V. M. Bogolubov; publ. *Problems of Health Resorts, Physiotherapy and Exercise Therapy* (every 2 months).

Ersman Health Research Institute: Pyatnitskaya ul. 1/2, Moscow.

Institute of Plastic Surgery: R.S.F.S.R. Ministry of Public Health, Ul. Gorkogo 19, Moscow.

Kharkov Chemical and Pharmaceutical Research Institute: Yumovskaya Ul. 7, Kharkov.

Kharkov Research Institute of Endocrinology and Hormone Chemistry: Ukrainian S.S.R., Kharkov 2, Ul. Artema 10/12; f. 1919; study of new hormone drugs, treatment of diabetes, thyroid diseases, etc.; library of 52,000 vols.; Dir. V. V. Natarov.

Kiev Institute of Nutritional Hygiene: Ul. Lenina 25 Kiev, Ukrainian S.S.R.

Leningrad Institute of Oto-Rhino-Laryngology: Bronnitskaya 9, Leningrad; f. 1930; library of 30,000 vols.; Dir. N.P. Petrov.

Moscow Municipal Research First Aid Institute: Kolkhoznaya ploschchad 3, Moscow; f. 1923; library of 30,000 vols.; Dir. Prof. B. D. Komarov.

Omsk Institute of Infectious Diseases: Omsk, Internatsionalnaya ul. 25.

Piatigorsk Balneological Institute: Pr. Kirova 30, Piatigorsk.

Sochi Health Research Institute: Sochi, Kurotny prosp. 110.

N. D. Strazhesko Research Institute of Clinical Medicine: Ul. Saksaganskogo 75, Kiev GSP-150; f. 1936; cardiovascular diseases; 110 mems.; library of 60,000 vols.; Dir. Prof. A. I. Gritsyuk.

Sverdlovsk Institute of Physical Curative Methods and Spa Treatment: Pl. Kommunarov, Sverdlovsk.

Tomsk Institute of Physiotherapy and Spa Treatment: Ul. Rosa Luxembourg 1.

U.S.S.R. Antibiotics Research Institute: Nagatinskaya ul. 3a, Moscow.

Uzbekistan Institute of Spa Treatment and Physiotherapy (Semashko Institute): Labzak 13, Tashkent.

MUSIC

Astrakhan State Conservatoire: Astrakhan, Sovietskaya ul. 28; departments: conducting, orchestral instruments, extra-mural studies.

Azerbaijan S.S.R. U. Gajibekov State Conservatoire: Baku, Ul. Dimitrova 98; f. 1920; piano, orchestral instruments, folk instruments, singing, conducting of chorus, composition; 180 lecturers; 800 students; library of 200,000 vols. and 24,000 scores; Rector A. I. Gadzhiev.

Byelorussian State Conservatoire: Internatsionalnaya ul. 30, Minsk, Byelorussian S.S.R.; f. 1932; piano, orchestral and folk instruments, composition, etc.; 150 teachers; 1,100 students; library of 95,060 vols.; Rector V. V. Olovnikov.

Donetsk Musical-Pedagogical Institute: Donetsk, Ul. Artena 44, Ukrainian S.S.R.; departments: orchestral instruments, chorus conducting, singing, extra-mural studies.

Erevan Komitas State Conservatoire: Erevan, Ul. Sayatnovy 1a; piano, orchestral instruments, singing, conducting of chorus, composition; library of 43,000 vols.

Estonian S.S.R. State Institute of Theatrical and Musical Art: Tallinn, Vabaduse pst. 130; f. 1919; piano, orchestral instruments, singing, conducting of chorus, composition; Rector V. Alumäe.

Far-Eastern Pedagogical Institute of Arts: Vladivostok, Ul. 1 Maya 3; piano, orchestral instruments, folk instruments, singing, conducting of chorus, acting.

Gnessiny State Musical and Pedagogical Institute: Moscow G-69, Ul. Vorovskogo 30/36; f. 1944; piano, orchestral instruments, folk instruments, singing, conducting of chorus, composition, musicology; 310 teachers; 1,246 students; library of 190,000 vols.; Rector V. I. Minin; publs. *Annals*, study books, etc.

Gorky M. I. Glinka State Conservatoire: Gorky, Ul. Piskunova 40; f. 1946; piano, orchestral and folk instruments, singing, conducting of chorus, composition, 90 teachers; 700 students; library of 61,000 vols.; Rector G. S. Dombayev.

Kazakh S.S.R. Kurmangazy State Institute of Arts: Alma-Ata, Kommunistichesky prospekt 90; piano, orchestral and folk instruments, singing, conducting of chorus, drama, composition; library of 56,000 vols.

Kazan State Conservatoire: Ul. Boshaya Krasnaya 38, Kazan, Tatar A.S.S.R.; f. 1945; piano, orchestral and folk instruments, voice, chorus training, composition; 120 teachers; 700 students; library of 100,000 vols.; Rector N. G. Zhiganov.

Kharkov State Institute of Arts: Kharkov, Ploshchad Teveleva 1113; piano, orchestral and folk instruments, singing, chorus training, composition, drama; library of 100,000 vols.

Kiev P. I. Tchaikovsky Conservatoire: Kiev, Ul. K. Marxa, 1-3/II; f. 1913; faculties: piano, history and theory, composers, orchestra, conductors and singing; 220 teachers; 950 students; library of 198,403 vols.; Librarian R. P. Sabadash; Rector I. F. Lyashenko.

Kishinev G. Musichesku State Conservatoire: Kishinev, Ul. Sadovaya 87; f. 1940; piano, orchestral and folk instruments, singing, conducting of chorus, composition, drama; 220 teachers; 1,050 students; library of 151,860 vols.; Rector A. K. SUSLOV.

Latvian S.S.R. Yazep Vitol State Conservatoire: Riga, Ul. Krishyana Barona 1; f. 1919; piano, orchestral and folk instruments, singing, conducting of chorus, composition, drama, musical comedy; 140 teachers; 520 students; library of 110,000 vols.; Rector Y. A. OZOLIM.

Leningrad N. A. Rimsky-Korsakov State Conservatoire (Order of Lenin): Teatralnaya pl. 3, Leningrad; f. 1862; piano, orchestral and folk instruments, singing, operatic, symphonic and choral conducting, composition, opera and ballet stage management; 275 teachers; 1,700 students; library of 227,000 vols.; Rector P. A. SOREBRYAKOV.

Lithuanian State Conservatoire: Pr. Lenin 42, Vilnius, Lithuanian S.S.R.; f. 1949; faculties of piano, orchestral, vocal and folk music, and the theory of music; library of 116,579 vols.; 629 students; Rector Prof. J. KARNAVIČIUS; publ. *Menotyra* (Science of Art).

Lvov M. V. Lysenko State Conservatoire: Vul. Boyko 5, Lvov, Ukrainian S.S.R.; f. 1903; piano, orchestral and folk instruments, chorus training, composition, singing; 156 teachers; 1,000 students; library of 113,231 vols.; Dir. Z. O. DASHAK.

Moscow P. I. Tchaikovsky State Conservatoire: Moscow K-9, Ul. Gerzena 13; f. 1866; faculties: piano, orchestra, theory and composers, singing, choral conducting; 286 teachers; 1,159 students; library of 670,000 vols.; Rector Prof. A. V. SVESHNIKOV, People's Artist of the U.S.S.R.

Novosibirsk M. I. Glinka State Conservatoire: Sovetskaya Ul. 31, Novosibirsk 99; f. 1956; piano, orchestral and folk instruments, chorus training, voice, theory and composition; library of 75,000 vols.; Rector Asst. Prof. E. G. GURENKO.

Odessa A. V. Nezhdanova State Conservatoire: Odessa, Ul. Ostrovidova 63; f. 1913; piano, orchestral and folk instruments, singing, conducting of chorus; 140 teachers; 680 students; library of 100,000 vols.; Rector V. P. POVZUN.

Rostov State Institute of Pedagogics and Music: Rostov-on-Don, Budennovsky pr. 23; f. 1967; faculties: Orchestra, Theory and Composition; 107 teachers; 527 students; library of 80,000 vols.; Rector E. BELODED.

Saratov L. V. Sobinov State Conservatoire: Saratov, Prospekt Kirova 1; piano, orchestral and folk instruments, conducting of chorus; library of 52,000 vols.

Tallinn State Conservatoire: Tallinn, Bulbar Suvorova 3, Estonian SSR; f. 1919; departments: singing, orchestral instruments, chorus conducting; 80 teachers; 350 students; library of 60,000 vols.; Rector V. A. ALUMYAE.

Tashkent State Conservatoire: Pushkinskaya 31, Tashkent, Uzbek S.S.R.; piano, orchestral and folk instruments, voice, operatic, symphonic and choral conducting, composition; library of 92,000 vols.

Tbilisi V. Sarajishvili State Conservatoire: Tbilisi, Ul. Griboedova 8; f. 1917; piano, singing, conducting of chorus, composition, conducting of opera and symphony, folk and orchestral instruments, chamber ensembles; 250 teachers; 1,300 students; library of 100,000 vols.; Rector S. F. TSINTSADZE.

Ufa State Institute of Fine Arts: Ufa, Ul. Lenina 14, Bashkir, ASSR; departments: orchestral instruments, folk music, chorus conducting, drama production, cinema and film acting, extra-mural studies, singing.

Urals M. P. Mussorgsky State Conservatoire: Sverdlovsk, Pr. Lenina 26; piano, orchestral and folk instruments, singing, conducting of chorus, composition, musical comedy; library of 83,000 vols.

POLITICAL SCIENCE

Institute of International Relations: Metrostroyevskaya 53, Moscow.

Institute of Marxism-Leninism: 3-y Selskokhozyaistvenny pr. 4, Moscow.

SOCIAL SCIENCE

Academy of Social Sciences: Moscow, Sadovaya-Kudrinskaya ul. 9; f. 1946; faculties of Philosophy, Scientific Communism, History of the Communist Party of the Soviet Union, History of the Soviet Society, History of the International Communist and Working-Class Movement, Literary Criticism, Art Criticism and Journalism; library of 1,000,000 vols.; Rector V. N. MALIN.

THEATRE AND CINEMATOGRAPHY

All-Union State Institute of Cinematography: Tretii Selskochosyaistveny proezd 3, Moscow; f. 1919; drama and cinema, production, direction, shooting, screen play and script writing, economics of cinematography; library of 147,000 vols.; 187 teachers; 1,500 students; Rector VITALII JDAN; publs. *Tvorchestvo Molodykh* (Creations of Young Artists), etc.

Azerbaijan M. A. Aliev Dramatic Institute: Ul. Karaganova 13, Baku, Azerbaijan S.S.R.

B. V. Shchukin Drama School attached to the E. B. Vakhtangov State Theatre: Ul. Vakhtangova 12a, Moscow.

Byelorussian State Theatrical and Art Institute: Leninsky prospekt 81, Minsk, Byelorussian S.S.R.; f. 1945; drama and cinema, decorative and applied arts; Rector E. P. GERASIMOVICH.

Georgian S. Rustaveli State Institute of Dramatic Art: Pr. S. Rustaveli 17, Tbilisi, Georgian S.S.R.; drama and cinema, musical comedy, stage management; library of 85,000 vols.

Kharkov State Drama Institute: Sumskaya 34, Kharkov, Ukrainian S.S.R.

Kiev I. K. Karpenko-Kary State Theatrical Institute: Kreshchatik 52, Kiev, Ukrainian S.S.R.; drama and cinema, stage management of drama and ballet, film direction; library of 33,000 vols.

Leningrad Institute for Film Engineers: Ul. Pravdy 13, Leningrad; depts.: Electrical Engineering, Engineering, Chemical Technology; library of 137,000 vols.; Extra-Mural Department.

Leningrad State Institute of Theatre, Music and Cinematography: Leningrad, Ul. Mokhovaya 34; f. 1918; drama and cinema, stage management, theatrical equipment and stage painting; 130 teachers; 1,100 students; research department with 52 mems.; library of 204,000 vols.; Rector V. F. SHISHKIN.

Leningrad State School of Choreography: Ul. Zodchego Rossi 2, Leningrad.

M. S. Shchepkin Drama School attached to the Maly Theatre: Neglinnaya 6, Moscow.

State A. V. Lunacharsky Institute of Dramatic Art: Sobinovsky per. 4, Moscow; drama and cinema, musical comedy, general stage management; library of 111,000 vols.

State School of Circus Art: 24, 5th Ulitsa Yamskogo Polya, Moscow; trains artists for the circus from the ages of 15 to 26 years in branches of circus and variety arts.

Studio-School of the Bolshoi A. M. Gorky Dramatic Theatre: Fontanka 65, Leningrad.

Tashkent A. N. Ostrovsky State Theatrical and Art Institute: Tashkent, Ul. Germana Lopatina 77, Uzbek S.S.R.; f. 1945; drama and cinema, musical comedy, theatrical equipment and stage painting, graphic arts, monumental decorative arts, decorative and applied arts; 120 teachers; 900 students; library of 65,000 vols.; Rector K. A. ABDULAYEV.

V. I. Nemirovich-Danchenko Studio-School attached to the Moscow Art Theatre: Pr. Khudozhestvennogo Teatra, 3a Moscow; f. 1948; drama and cinema, theatrical equipment and stage painting; 80 teachers; 300 students; library of 42,000 vols.; Rector V. Z. RADOMYSLENSKY.

TRANSPORT AND COMMUNICATIONS

(1) RAILWAYS

All-Union Extra-Mural Institute of Railway Engineers: Moscow, Chasovaya Ul. 22/2; faculties: Engineering, Electrical Engineering, Electrification of Railways, Railway Maintenance, Construction, Economics, General Engineering; library of 250,000 vols.; two brs.; Rector R. I. ROBOL.

Byelorussian Institute of Railway Engineers: Gomel, Ul. Kirova 34; faculties: Engineering, Construction, Industrial and Civil Construction; library of 153,000 vols.; Evening and Extra-Mural Faculties; Rector P. A. SYTSKO.

Dnepropetrovsk Institute of Railway Engineers: Dnepropetrovsk, ul. Universitetskaya 2; f. 1930; faculties: Engineering, Electrification of Railways, Railway Maintenance, Construction, Computer Technology, Industrial and Civil Construction, Bridges and Tunnels; library of 473,000 vols.; Evening, Extra-Mural and General Engineering Faculties; Rector A. R. YUSHCHENKO.

Khabarovsk Institute of Railway Engineers: Khabarovsk, Ul. Serysheva 47; f. 1939; faculties: Engineering, Railway Maintenance, Construction, Industrial and Civil Construction; 300 teachers; 7,500 students; library of 450,000 vols.; Evening and Extra-Mural Faculties.; Rector V. I. DMITRIENKO.

Kharkov S. M. Kirov Institute of Railway Engineers: Kharkov, Ploshchad Feuerbacha 7; faculties: Railway Maintenance, Mechanics, Automation, Telemechanics and Communication, Construction, Engineering-Economics; library of 386,000 vols.; Evening, Extra-Mural and General Engineering Faculties; Rector A. P. IGNATIEV.

Leningrad Academician V. N. Obraztov Institute of Railway Engineers: Leningrad, Moskovsky prospekt 9; f. 1809; library of 1,200,000 vols.; 700 teachers; faculties: Civil Engineering, Mechanics, Electrical Engineering, Bridge and Tunnel Construction, Railway Operation; Correspondence and Evening departments; Rector E. Y. KRASKOVSKY; publ. *Proceedings*.

Moscow Institute of Engineers: Moscow, Ul. Obraztsova 15; faculties: Engineering, Power, Automation and Computing, Electrification of Railways, Maintenance, Construction, Bridges and Tunnels, Economics; library of 865,000 vols.; Evening Faculty; Rector F. P. KOCHNEV.

Novosibirsk Institute of Railway Engineers: Novosibirsk, Ul. Dusi Kovalchuk 191; faculties: Railway Maintenance, Construction, Industrial and Civil Construction, Bridges and Tunnels, Road Building Machinery, Economics; library of 394,000 vols.; Evening and Extra-Mural Faculties; Rector N. P. KONDAKOV.

Omsk Institute of Railway Engineers: Omsk, Ul. Karla Marxa 35; f. 1930; faculties: Engineering, Electrical Transport, Electrical Engineering; 250 teachers; 5,500 students; library of 270,000 vols.; Extra-Mural Faculty; Rector A. A. SEREGIN.

Rostov-on-Don Institute of Railway Engineers: Rostov-on-Don, Ul. Lenina 44; faculties: Power, Railway Maintenance, Road Building Machinery; library of 220,000 vols.; Evening and Extra-Mural Faculties; Rector B. I. DANIN.

Tashkent Institute of Railway Engineers: Tashkent, Oboronnaya Ul. 1; f. 1931; faculties: Engineering, Automation and Telemechanics, Railway Maintenance, Construction, Economics; f. 1931; 400 teachers; 12,000 students; library of 500,000 vols.; Evening and Extra-Mural Faculties; Rector M. F. PRASOLOV.

Tbilisi V. I. Lenin Institute of Railway Engineering: Ul. Lenina 98, Tbilisi, Georgian S.S.R.

Tomsk Electro-Mechanical Institute of Railway Engineering: Pr. Lenina 35, Tomsk.

Urals Electromechanical Institute of Railway Engineering: Sverdlovsk 79, Ul. Kolmogorova 66; f. 1956; faculties: Electromechanics, Electrical Engineering, Building Maintenance; 320 teachers; 7,500 students; library of 200,000 vols.; Evening and Extra-Mural Faculties; Rector T. V. UTKIN.

(2) WATERWAYS

Gorky Institute of Water Transport Engineers: Gorky, Ul. K. Minina 7; faculties: Shipbuilding, Navigation and Maintenance of Water Transport, Marine Engineering; library of 250,000 vols.; Evening Department and Extra-Mural Faculty.

Kaliningrad Higher School of Seamanship: Kaliningradskaya obl., Ul. Molodezhnaya 6; faculties: navigation, marine engineering, radio engineering; evening and extra-mural departments.

Leningrad Admiral S. O. Makarov Higher School of Marine Engineering: Leningrad, Vasilyevsky ostrov, Kosaya Liniya 15-a; faculties: Arctics, Navigation, Marine Engineering, Radio Engineering, Electrical Engineering; library of 140,000 vols.; Extra-Mural Department.

Leningrad Institute of Water Transport: Leningrad 198035, Dvinskaya ul. 5/7; f. 1930; library of 600,000 vols.; faculties: Waterways and Ports, Marine Engineering, Shipbuilding, Electrical Engineering, Port Handling and Transport facilities, River-Sea Navigation, Engineering, Economics; Extra-Mural Faculty; Rector V. V. BALANIN.

Leningrad Shipbuilding Institute: Leningrad, Ul. Lotsmanskaya 3; f. 1902; faculties: Shipbuilding, Machine Building, Design; library of 355,000 vols.; Evening and Extra-Mural Faculties; one br.; Rector Prof. E. V. TOVSTIKH.

Murmansk Higher School of Seamanship: Murmansk, Sportivnaya ul. 13/6; f. 1950; faculties: Navigation, Marine Engineering; 140 teachers; 3,000 students; library of 100,000 vols.; Extra-Mural Department; Rector E. I. PORTNOV.

Nikolaev Admiral S. O. Makarov Shipbuilding Institute: Nikolaev, Kuznechnaya Ul. 5; faculties: Shipbuilding, Machine Building; library of 104,000 vols.; Evening and General Engineering Faculties.

Novosibirsk Institute of Water Transport Engineers: Novosibirsk, Ul. Shchetinkina 33; f. 1951; faculties: Waterways and Ports, Navigation and Maintenance of Water Transport, Ship Engineers; 200 teachers; 5,000 students; library of 223,000 vols.; Evening Department and Extra-Mural Faculty; A. M. PLATONOV.

Odessa Higher School of Marine Engineering: Odessa, Ul. Perekopskoy Pobedy 20; faculties: Navigation, Ship Engineers, Electrical Engineering; library of 135,000 vols.; Extra-Mural Faculty; Rector I. G. SCHLEPCHENKO.

Odessa Institute of Water Transport Engineers: Odessa, B-29, Ul. Mechnikova 34; faculties: Hydraulic Engineering, Shipbuilding, Ship Engineers, Maintenance, Engineering; library of 165,000 vols.; Evening and Extra-Mural Faculty.

Vladivostok Higher School of Marine Engineering: Vladivostok, Verkhnyaya Portovaya ul. 50-a; faculties: Navigation, Ship Engineers, Electrical Engineering; library of 111,000 vols.; Evening and Extra-Mural Faculty; Rector A. S. FROLOV.

(3) MOTOR TRANSPORT

Kharkov Motor and Highways Institute: Kharkov, Ul. Petrobskogo 25; f. 1930; faculties: Road Building, Motor Vehicles, Economics of Engineering, Road-Building Machinery; library of 360,000 vols.; Evening and Extra-Mural Faculties; 3,000 students; Rector B. V. RESHTNIKOV.

Kiev Motor Vehicles Institute: Kiev, Ul. Suvorova 1; f. 1944; faculties: Road Building, Motor Vehicles; 300 teachers; 6,100 students; library of 250,000 vols.; Evening Faculty; Rector E. P. VERIZHENKO.

Moscow Automobile and Road Construction Institute (MADI): Moscow A-319, Leningradski Prospekt 64; f. 1930; faculties: Road Building, Bridge Construction, Motor Transport, Airport Construction, Road Building Machinery; Evening and Extra-Mural Faculties; Departments of Advanced and Postgraduate Studies; library of 500,000 vols.; 650 teachers; 8,000 students; Rector Prof. Dr. L. L. AFFANASIEV.; publ. *Scientific Papers of the Moscow Automobile and Road Construction Institute* (irregular).

Siberian V. V. Kuibyshev Motor and Highways Institute: Omsk, Prospekt Mira 5; f. 1930; faculties: Road Building, Motor Transport, Road Building Machinery; 320 teachers; 5,000 students; library of 500,000 vols.; Evening and Extra-Mural Faculties; Rector E. V. GNATYUK.

(4) AVIATION

Kazan Aviation Institute: Kazan, Ul. K. Marxa 10; faculties: Aircraft Building, Aircraft Engines, Aircraft Instruments and Automata, Radio Engineering; library of 300,000 vols.; Evening and Extra-Mural Faculty.

Kharkov Aviation Institute: 310084 Kharkov, Ul. Shkalova 17; faculties: Aircraft Building, Aircraft Engines, Radio Engineering; library of 222,000 vols.

Kiev Institute of Civil Aviation: Kiev, Prospekt Komarova 1; faculties: Engineering, Radio Engineering, Electrical Engineering; library of 182,000 vols.; Extra-Mural Department; Rector N. L. GOLEGO.

Kuibyshev Aviation Institute: Kuibyshev, Ul. Molodogvardeyskaya 151; faculties: Aircraft Building, Radio Equipment Design, Aircraft Engines, Aircraft Engine Exploitation, Metal Working by Pressure; library of 167,000 vols.; Evening Faculty and Extra-Mural Department.

Leningrad Higher School of Civil Aviation: Leningrad, Liteyny prospekt 48; faculty: Exploitation of Air Transport; Rector P. V. KARTAMYSHEV.

Leningrad Institute of Aviation Instrument Making: Leningrad, Ul. Herzena 67; faculties: Aviation Instruments and Automata, Radio Engineering; library of 280,000 vols.; Evening and Extra-Mural Faculties.

Moscow Institute of Aviation Technology: Moscow, Petrovka 27; faculties: Aviation Engineering, Aviation Technology, Radio Electronic Equipment; library of 194,000 vols.; Evening Faculty.

Moscow Sergo Orjonikidze Aviation Institute: Moscow A-80, Volokolamskoe chaussée 4; faculties: Aircraft Building, Aircraft Engines, Automatic Control of Aircraft, Radio Engineering, Instrument Making and Automation, Economics; library of 909,000 vols.; Evening and Extra-Mural Faculties.

Riga Institute of Civil Aviation Engineers: Riga, Ul. Lomonosova 1; faculties: Engineering, Electrical Engineering, Radio Engineering; library of 360,000 vols.; Rector A. I. PUGACHEV.

Ufa Sergo Orjonikidze Aviation Institute: Ufa, Ul. K. Marxa 12-b; faculties: Aircraft Engines, Engineering Technology; library of 160,000 vols.; Evening and Extra-Mural Faculties.

UNITED ARAB EMIRATES

Population 655,000

ABU DHABI

British Council: P.O.B. 6523; Rep. C. W. R. Long.

Centre for Documentation and Research: Old Palace, P.O.B. 2380; f. 1968; attached to the Presidential Court; collects manuscripts, documents, books, maps and articles relevant to the Arabian Gulf and the Arabian peninsula, and carries out research on subjects related to this area; library of 5,000 vols. in Arabic, English and other languages; Dir. Mohammad Morsi Abdullah, ph.d.; publ. *Arabian Gulf Research Review* (quarterly).

Public Library: P.O.B. 17.

Archaeological Museum: Al Ain; archaeological sites at Buraimi and Umm Al Nar island.

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Librarian: Abdulla Abbas.

Number of teachers: 105.
Number of students: 500.

Deans:

Faculty of Arts: Dr. Ali Al Yah.
Faculty of Sciences: Dr. Ibrahim Ammar.

DUBAI

British Council: P.O.B. 1636; f. 1970; library of 7,967 vols., 51 periodicals; Dir. J. W. Morrison.

Dubai Public Library: P.O.B. 67; 15,000 vols. in Arabic, English and Urdu on all subjects, including reference works.

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Publications: *Philosophical Transactions, Proceedings, Year Book, Biographical Memoirs of Fellows, Notes and Records, Bulletins.*

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Duncumb, Peter, PH.D., physicist.
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Dunitz, Jack David, PH.D., crystallographer.
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Dyson, James, SC.D., physicist.

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Hopkins, Harold Horace, D.SC., D. ÈS SC., applied optician.
Horlock, John Harold, M.A., PH.D., SC.D., mechanical engineer.
Horridge, George Adrian, biologist.
Houghton, John Theodore, physicist.
Hounsfield, Godfrey Newbold, electrical engineer.
Howarth, Leslie, O.B.E., B.SC., M.A., PH.D., applied mathematician.
Howie, Archibald, PH.D., physicist.
Hoyle, Sir Fred, M.A., mathematician.
Hudson, Sir William, K.B.E., engineer.
Humphrey, John Herbert, C.B.E., M.D., immunologist.
Hutchinson, Sir Joseph (Burtt), C.M.G., SC.D., plant geneticist.
Hutchison, Sir (William) Kenneth, C.B.E., chemical engineer.
Huxley, Sir Andrew Fielding, M.A., physiologist.
Huxley, Hugh Esmor, M.B.E., D.SC., PH.D., biophysicist.

Iggo, Ainsley, D.SC., PH.D., veterinary physiologist.
Ingram, Vernon Martin, PH.D., D.SC., biochemist.
Issigonis, Sir Alec Arnold Constantine, C.B.E., engineer.

Jackson, Derek Ainslie, O.B.E., D.F.C., A.F.C., M.A., D.SC., physicist.
Jaeger, John Conrad, geophysicist.
James, Ioan Mackenzie, D.PHIL., mathematician.
Jamison, Robin Ralph, PH.D., aeronautical engineer.
Jeffreys, Sir Harold, M.A., D.SC., F.R.A.S., F.R.MET.SOC., geophysicist.
Jinks, John Leonard, geneticist.
Johnson, Alan Woodworth, organic chemist.
Johnson, Barry Edward, PH.D., mathematician.
Jones, Douglas Samuel, M.B.E., mathematician.
Jones, Sir Ewart (Ray Herbert), PH.D., D.SC., chemist.
Jones, Francis Edgar, M.B.E., PH.D., electrical engineer.
Jones, Harry, PH.D., mathematician.
Jones, Reginald Victor, C.B., C.B.E., physicist.
Josephson, Brian David, physicist.

Kapitza, Peter, PH.D., physicist.
Kassanis, Basil, O.B.E., D.SC., plant pathologist.
Katz, Sir Bernard, M.D., PH.D., D.SC., neurophysiologist.
Kearton, Baron, of Whitchurch, Christopher Frank Kearton, O.B.E., physicist.
Keen, Sir Bernard, Baron, D.SC., agriculturist.
Kekwick, Ralph Ambrose, D.SC., biophysicist.
Keller, Andrew, polymer scientist.
Kelly, Anthony, physical metallurgist.
Kemball, Charles, chemist.
Kemmer, Nicholas, M.A., PH.D., F.R.S.E., philosopher.
Kendall, David George, statistician.
Kendrew, Sir John Cowdery, C.B.E., PH.D., biologist.
Kennedy, John Stodart, D.SC., insect physiologist.
Kennedy, William Quarrier, geologist.
Kent, Sir Percy Edward, D.SC., PH.D., geologist.
Kerensky, Oleg Alexander, C.B.E., civil engineer.
Keynes, Richard Darwin, D.SC., PH.D., physiologist.

Kilburn, Tom, C.B.E., M.A., PH.D., D.SC., F.I.E.E., computer scientist.
King, Frederick Ernest, D.SC., chemist.
King-Hele, Desmond George, scientific officer.
Kingman, John Frank Charles, M.A., F.S.S., mathematician and statistician.
Kitching, John Alwyne, O.B.E., SC.D., zoologist.
Klug, Aaron, PH.D., biologist.
Knowles, Jeremy Randall, PH.D., chemist.
Kodicek, Egon Hynek, C.B.E., M.D., PH.D., biochemist.
Kornberg, Sir Hans Leo, M.A., D.SC., SC.D., PH.D., biochemist.
Kosterlitz, Hans Walter, M.D., PH.D., D.SC., pharmacologist.
Krebs, Sir Hans (Adolf), M.A., M.D., biochemist.
Kreisel, Georg, mathematician.
Krohn, Peter Leslie, endocrinologist.
Küchemann, Dietrich, C.B.E., DR.RER.NAT., aeronautics engineer.
Kuhn, Heinrich Gerhard, D.PHIL., physicist.
Kurti, Nicholas, D.PHIL., physicist.

La Cour, Leonard Francis, M.B.E., geneticist.
Lane, Anthony Milner, D.SC., theoretical physicist.
Lang, Andrew Richard, M.SC., PH.D., physicist.
Leblond, Charles Philippe, physiologist.
Lees, Antony David, SC.D., agriculturalist.
Le Fevre, Raymond James Wood, PH.D., chemist.
Lehmann, Hermann, clinical biochemist.
Lemieux, Raymond Urgel, C.C., organic chemist.
Lewis, Dan, PH.D., D.SC., geneticist.
Lewis, Jack, M.A., chemist.
Lewis, Wilfred Bennett, C.C., C.B.E., PH.D., physicist.
Liddell, Edward George Tandy, D.M., B.CH., M.A., physiologist.
Lighthill, Sir (Michael) James, M.SC., mathematician.
Lipson, Henry Solomon, D.SC., M.A., F.INST.P., physicist.
Lissmann, Hans Werner, DR.RER.NAT., mathematician.
Litherland, Albert Edward, PH.D., physicist.
Lockspeiser, Sir Ben, K.C.B., M.A., M.I.MECH.E., F.R.AE.S., engineer.
Longuet-Higgins, Hugh Christopher, physical chemist.
Longuet-Higgins, Michael Selwyn, PH.D., oceanographer.
Loutit, John Freeman, C.B.E., D.M., radiobiologist.
Lovell, Sir (Alfred Charles) Bernard, O.B.E., PH.D., F.INST.P., physicist.
Lovelock, James Ephraim, D.SC., applied physicist.
Lowenstein, Otto Egon, PH.D., D.PHIL., D.SC., M.I.BIOL., F.R.S.E., zoologist.
Lucas, Sir Cyril Edward, C.M.G., D.SC., marine biologist.
Lund, John Walter Guerrier, D.SC., biologist.
Lynden-Bell, Donald, M.A., PH.D., astronomer.
Lyon, Mary Frances, geneticist.
Lythgoe, Basil, organic chemist.
Lyttleton, Raymond Arthur, M.A., PH.D., mathematician.

McCance, Sir Andrew, D.SC., metallurgist.
McCance, Robert Alexander, C.B.E., M.D., experimental medicine.
McCrea, William Hunter, M.A., PH.D., astronomer.
Macfarlane, Robert Gwyn, M.D., haematologist.
McGee, James Dwyer, O.B.E., physicist.
MacIntosh, Frank Campbell, M.A., PH.D., physiologist.
Mackaness, George Bellamy, PH.D., immunologist.
Mackenzie, Chalmers Jack, C.C., C.M.G., M.C., D.SC., engineer.
McKenzie, Dan Peter, M.A., PH.D., geophysicist.
McLaren, Anne Laura, D.PHIL., geneticist.
McMichael, John, M.D., CH.B., F.R.C.P.E., F.R.S.E., cardiologist.
MacMillan, John, PH.D., D.SC., organic chemist.
Macmillan, The Rt. Hon. (Maurice) Harold, P.C.
Maddock, Sir Ieuan, C.B., O.B.E., mechanical and electrical engineer.
Mahler, Kurt, PH.D., D.SC., mathematician.
Mandelstam, Joel, PH.D., biochemist and microbiologist.
Mandelstam, Stanley, physicist.
Mann, Frederick George, SC.D., D.SC., F.R.I.C., chemist.
Mann, Thaddeus Robert Rudolph, C.B.E., M.D., SC.D., biochemist.
Mansfield, Eric Harold, mathematician.
Manton, Irene, D.SC., botanist.
Manton, Sidnie Milana (Mrs. J. P. Harding), PH.D., SC.D., zoologist.
Marion, Léo, C.C., M.B.E., PH.D., chemist.
Markham, Roy, PH.D., scientist.
Marrian, Guy Frederic, C.B.E., D.SC., F.R.I.C., medical chemist.
Marshall, Norman Bertram, zoologist.
Marshall, Walter, PH.D., F.I.M.A., physicist.
Martin, Archer John Porter, O.B.E., M.A., PH.D., biochemist.
Martin, Sir Leslie (Harold), C.B.E., physicist.
Mason, Basil John, D.SC., meteorologist.
Mason, Ronald, PH.D., chemist.
Massey, Sir Harrie (Stewart Wilson), M.SC., PH.D., mathematician.
Massey, Vincent, PH.D., biochemist.
Mather, Kenneth, C.B.E., PH.D., D.SC., geneticist.
Matthews, Sir Bryan (Harold Cabot), C.B.E., M.A., SC.D., physiologist.
Matthews, Drummond Hoyle, M.A., PH.D., geologist.
Matthews, Leonard Harrison, SC.D., zoologist.
Matthews, Paul Taunton, M.A., PH.D., physicist.
Matthews, Peter Bryan Conrad, PH.D., physiologist.
Matthews, Richard Ellis Ford, M.SC., PH.D., microbiologist.
Maynard Smith, John, B.A., B.SC., biologist.
Mayneord, William Valentine, C.B.E., medical physicist.
Medawar, Sir Peter (Brian), C.H., C.B.E., M.A., D.SC., zoologist.
Melville, Sir Harry (Work), K.C.B., D.SC., chemist.
Mendelssohn, Kurt Alfred Georg, D.PHIL., physicist.
Menon, Mambillikalathil G. K., physicist.
Menter, Sir James (Woodham), SC.D., engineer.
Merrison, Sir Alexander Walter, physicist.
Mestel, Leon, M.SC., PH.D., astronomer.
Miledi, Ricardo, M.D., biophysicist.
Miles, Sir (Arnold) Ashley, C.B.E., pathologist.
Miller, Jacques Francis Albert Pierre, pathologist.
Mills, Barnard Yarnton, D.SC., physicist.
Milne, Malcolm Davenport, M.D., physiologist.
Milstein, César, biologist.
Mitchell, George Francis, geologist.
Mitchell, John Wesley, D.PHIL., physicist.
Mitchell, Joseph Stanley, C.B.E., M.A., M.B., PH.D., D.M.R., biophysicist.
Mitchell, Peter Dennis, PH.D., biologist.
Mitchison, John Murdoch, SC.D., zoologist.
Mitchison, Nicholas Avrion, D.PHIL., biologist.
Mollison, Patrick Loudan, haematologist.
Monteith, John Lennox, PH.D., F.INST.P., F.R.MET.S., physicist.
Moon, Philip Burton, M.A., PH.D., physicist.
Moorbath, Stephen Erwin, M.A., D.PHIL., geologist.
Moran, Patrick Alfred Pierce, M.A., SC.D., D.SC., F.A.A., statistician.
Morgan, Walter Thomas James, C.B.E., PH.D., D.SC., biochemist.
Morrogh, Henton, C.B.E., metallurgist.
Mortimer, Clifford Hiley, D.SC. PH.D., limnologist.
Mott, Sir Nevill (Francis), M.A., physicist.
Mountbatten of Burma, Louis Francis Albert Victor Nicholas, Earl, Admiral of the Fleet.
Mourant, Arthur Ernest, D.PHIL., D.M., geneticist.
Muir, (Isabella) Helen (Mary), M.A., D.PHIL., D.SC., rheumatologist.

Nabarro, Frank Reginald Nunes, M.B.E., physicist.
Needham, Mrs. Dorothy Mary Moyle, SC.D., biochemist.
Needham, Joseph, SC.D., M.A., PH.D., biochemist.
Neuberger, Albert, C.B.E., PH.D., M.D., biochemist.
Neumann, Bernard Hermann, D.SC., mathematician.
Newitt, Dudley Maurice, M.C., D.SC., chemist.
Newman, Maxwell Herman Alexander, M.A., mathematician.
Nicholson, Robin Buchanan, PH.D., chemist.
Nicol, Joseph Arthur Colin, D.SC., zoologist.
Nockolds, Stephen Robert, PH.D., mineralogist.
Norman, Richard Oswald Chandler, M.A., D.SC., organic chemist.
Northcote, Donald Henry, SC.D., biochemist.
Northcott, Douglas Geoffrey, mathematician.
Northumberland, Duke of, Hugh Algernon Percy.
Nutman, Phillip Sadler, PH.D., biologist.
Nye, John Frederick, M.A., PH.D., physicist.

Oatley, Sir Charles (William), O.B.E., M.A., electrical engineer.
Offord, Albert Cyril, D.SC., PH.D., mathematician.
Ogston, Alexander George, B.A., D.PHIL., biochemist.
Oliphant, Sir Mark (Marcus Laurence Elwin), K.B.E., M.A., PH.D., LL.D., D.SC., F.INST.P., physicist.
Ollis, William David, organic chemist.
Orgel, Leslie Eleazer, D.PHIL., chemist.
Orowan, Egon, DR.ING., physicist.
Owen, Paul Robert, C.B.E., aviation engineer.
Oxburgh, Ernest Ronald, PH.D., geologist.

Pal, Benjamin Peary, PH.D., agriculturalist.
Page, Frederick William, C.B.E., aeronautical engineer.
Parke, Mary, D.SC., psychologist.
Parkes, Sir Alan (Sterling), C.B.E., M.A., PH.D., D.SC., SC.D., physiologist.

Parrington, Francis Rex, sc.d., zoologist.
Partridge, Stanley Miles, zoologist.
Pashley, Donald William, ph.d., physicist.
Pasquill, Frank, ph.d., meteorologist.
Pateman, John Arthur Joseph, m.a., ph.d., geneticist.
Paton, Sir (Thomas) Angus (Lyall), c.m.g., hydroelectrical engineer.
Paton, William Drummond MacDonald, c.b.e., pharmacologist.
Pearson, Egon Sharpe, c.b.e., statistician.
Peart, William Stanley, m.d., medical renalogist.
Pease, Rendel Sebastian, m.a., sc.d., atomic physicist.
Peierls, Sir Rudolf (Ernst), c.b.e., m.a., d.sc., d.phil., mathematician.
Penman, Howard Latimer, o.b.e., ph.d., physicist.
Penney, William George, Baron, o.m., k.b.e., d.sc., physicist.
Penrose, Roger, mathematician.
Pereira, Helio Gelli, dr.med., virologist.
Pereira, Sir Herbert Charles, d.sc., hydraulic agriculturalist.
Perkins, Donald Hill, physicist.
Perry, Samuel Victor, ph.d., sc.d., biochemist.
Perutz, Max Ferdinand, c.h., c.b.e., ph.d., biophysicist.
Petch, Norman James, ph.d., metallurgist.
Peters, Sir Rudolph (Albert), m.c., m.d., biochemist.
Philip, John Robert, d.sc., ecologist.
Phillips, Charles Garnett, physiologist.
Phillips, David Chilton, molecular biophysicist.
Phillips, Owen Martin, geophysicist.
Pickavance, Thomas Gerald, c.b.e., m.a., ph.d., nuclear physicist.
Pickering, Sir George (White), m.d., f.r.c.p., psychiatrist.
Pickford, Lillian Mary, d.sc., physiologist.
Pilkington, Sir Alistair (Lionel Alexander Bethune), vitrifactologist.
Pippard, Sir Alfred Brian, ph.d., physicist.
Pirie, Norman Wingate, m.a., biochemist.
Pitt, Sir Harry Raymond, ph.d., mathematician.
Pitt-Rivers, Rosalind Venetia, ph.d., biochemist.
Plaskett, Harry Hemley, m.a., astronomer.
Polani, Paul Emmanuel, m.d., paediatrician.
Polanyi, John Charles, chemist.
Polkinghorne, John Charlton, m.a., ph.d., mathematical physicist.
Pollock, Martin Rivers, biologist.
Pontecorvo, Guido, dr.agr., ph.d., geneticist.
Popják, George Joseph, m.d., radio-pathologist.
Pople, John Anthony, ph.d., physicist.
Porter, Sir George, chemist.
Porter, Helen Kemp, d.sc., physiologist.
Porter, Rodney Robert, ph.d., biochemist.
Posnette, Adrian Frank, ph.d., sc.d., m.a.a.b., f.i.biol., plant pathologist.
Postgate, John Raymond, m.a., d.phil., d.sc., microbiologist.
Powell, Herbert Marcus, m.a., chemical crystallographer.
Powell, Thomas Philip Stroud, m.d., neuroanatomist.
Prescott, James Arthur, c.b.e., soil scientist.
Preston, Reginald Dawson, ph.d., d.sc., f.inst.p., plant biophysicist.
Price, William Charles, physicist.
Priestley, Charles Henry Brian, sc.d., meteorological physicist.
Pringle, John William Sutton, m.b.e., sc.d., zoologist.
Pryce, Maurice Henry Lecorney, m.a., ph.d., physicist.
Pugsley, Sir Alfred (Grenville), o.b.e., m.sc., d.sc., civil engineer.

Quastel, Juda Hirsch, d.sc., biochemist.
Quayle, John Rodney, m.a., ph.d., microbiologist.

Race, Robert Russell, ph.d., m.r.c.s., serologist.
Rado, Richard, ph.d., mathematician.
Rainey, Reginald Charles, ph.d., d.sc., a.r.c.s., d.i.c., f.i.biol.
Ramachandran, Gopalasamudram Narayana, d.sc., ph.d., biophysicist.
Ramsay, Donald Allan, ph.d., molecular physicist.
Ramsay, James Arthur, m.b.e., m.a., ph.d., zoologist.
Ramsay, John Graham, ph.d., geologist.
Randall, Sir John (Turton), d.sc., physicist.
Rao, Calyampudi Radhakrishna, sc.d., statistician.
Raphael, Ralph Alexander, chemist.
Ratcliffe, John Ashworth, c.b., o.b.e., physicist.
Rawcliffe, Gordon Hindle, electrical engineer.
Raynor, Geoffrey Vincent, metallurgist.
Reason, Richard Edmund, o.b.e., precision engineer.
Rees, Charles Wayne, ph.d., d.sc., organic chemist.
Rees, David, mathematician.
Rees, Florence Gwendoline, ph.d., d.sc., parasitologist.
Rees, Hubert, d.f.c., d.sc., ph.d., agricultural botanist.
Richards, Owain Westmacott, m.a., d.sc., zoologist.
Richards, Sir Rex Edwards, d.phil., chemist.
Richardson, Frederick Denys, ph.d., d.sc., f.i.m., m.i.m.m., m.i.chem.e., metallurgist.
Riley, Ralph, d.sc., botanist.
Rimington, Claude, m.a., ph.d., d.sc., chemical pathologist.
Ringrose, John Robert, m.a., ph.d., mathematician.
Ringwood, Alfred Edward, geochemist.
Rishbeth, John, sc.d., plant pathologist.
Ritchie, Joseph Murdoch, ph.d., sc.d., pharmacologist.
Roberts, John Alexander Fraser, c.b.e., m.d., geneticist.
Robertson, Alan, o.b.e., d.sc., animal geneticist.

Robertson, Andrew, ds.c. engineer.
Robertson, John Monteath, c.b.e., m.a., ph.d., d.sc., chemist.
Robertson, Sir Rutherford (Ness), c.m.g., ph.d., physicist.
Robinson, Stephen Joseph, o.b.e., electrical engineer.
Rochester, George Dixon, physicist.
Rogers, Claude Ambrose, mathematician.
Rooke, Sir Denis Eric, c.b.e., b.sc., gas engineer.
Room, Thomas Gerald, m.a., mathematician.
Rose, Francis Leslie, o.b.e., d.sc., organic chemist.
Rose, John Donald, m.a., f.c.s., chemist.
Rosenbrock, Howard Harry, ph.d., d.sc., control engineer.
Rosenhead, Louis, c.b.e., mathematician.
Roth, Klaus Friedrich, mathematician.
Rotherham, Leonard, c.b.e., d.sc., physicist.
Rothschild, Baron, Nathaniel Mayer Victor Rothschild, g.m., g.b.e., ph.d., sc.d., zoologist.
Rowlinson, John Shipley, b.sc., m.a., d.phil., f.r.i.c., chemist.
Rowson, Lionel Edward Aston, o.b.e., physiologist.
Runcorn, Stanley Keith, physicist.
Rushton, William Albert Hugh, sc.d., physiologist.
Russell, Archibald Edward, c.b.e., aeronautical engineer.
Russell, Sir Frederick (Stratten), c.b.e., d.s.c., d.f.c., b.a. marine biologist.
Ryle, Sir Martin, m.a., physicist, Astronomer Royal.

Salam, Abdus, mathematician.
Salisbury, Sir Edward (James), c.b.e., d.sc., f.l.s., botanist.
Salt, George, sc.d., zoologist.
Sanger, Frederick, c.b.e., ph.d., biochemist.
Sanger, Ruth Ann (Mrs. R. R. Race), ph.d., pathologist.
Saunders, Sir Owen (Alfred), mechanical engineer.
Sawyer, John Stanley, meteorologist.
Schild, Heinz Otto, pharmacologist.
Schneider, William George, ph.d., chemist.
Scott, Alastair Ian, ph.d., chemist.
Seaton, Michael John, physicist.
Series, George William, physicist.
Shackleton, Robert Millner, ph.d., f.g.s., structural geologist.
Shaw, Bernard Leslie, ph.d., chemist.
Shenstone, Allen Goodrich, o.b.e., m.c., b.a., m.a., ph.d., physicist.
Sheppard, Norman, chemist.
Sheppard, Philip Macdonald, m.a., d.phil., geneticist.
Shoenberg, David, m.b.e., ph.d., physicist.
Shoppee, Charles William, d.phil., ph.d., d.sc., f.r.i.c., chemist.
Short, Roger Valentine, ph.d., sc.d., biologist.
Shortt, Henry Edward, c.i.e., m.d., ch.d., d.sc., Col. i.m.s. (retd.), parasitologist.
Shotton, Frederick William, m.b.e., geologist.
Siddiqui, Salimuzzaman, m.b.e., d.phil., organic chemist.
Skempton, Alec Westley, engineer.
Slater, Edward Charles, physiological chemist.
Slatyer, Ralph Owen, d.sc., f.a.a., biologist.
Smith, David Cecil, m.a., d.phil., botanist.
Smith, David MacLeish, d.sc., engineer.
Smith, Ernest Lester, d.sc., biochemist.
Smith, Francis Graham, m.a., ph.d., f.r.a.s., radio astronomist.
Smith, Sir (Frank) Ewart, m.a., m.i.mech.e., m.i.chem.e., technologist.
Smith, Sir James Eric, d.sc., ph.d., m.a., sc.d., marine biologist.
Smith, John Derek, ph.d., biologist.
Smith, Joseph Victor, m.a., ph.d., mineralogist.
Smith, Kenneth Manley, c.b.e., d.sc., ph.d., agricultural entomologist.
Smith, Robert Allan, c.b.e., ph.d., physicist.
Smith, Stanley Desmond, ph.d., d.sc., physicist.
Smyth, David Henry, physiologist.

Sondheimer, Franz, chemist.
Southwood, Thomas Richard Edmund, PH.D., D.SC., zoologist.
Spinks, Alfred, C.B.E., PH.D., industrial chemist.
Spring, Frank Stuart, D.SC., PH.D., D.SC., organic chemist.
Stacey, Maurice, C.B.E., B.SC., PH.D., D.SC., chemist.
Stanier, Roger Yate, PH.D., biologist.
Stanley, Herbert Muggleton, PH.D., chemist.
Steele, John Hyslop, oceanographer.
Stevens, Thomas Stevens, D.PHIL., chemist.
Steward, Frederick Campion, PH.D., DR.SC., botanist.
Stewart, Sir Frederick (Henry), geologist.
Stewart, Robert William, M.SC., PH.D., oceanologist.
Stewart, William Duncan Paterson, PH.D., D.SC., F.I.BIOL., F.R.S.E., biologist.
Stewartson, Keith, mathematician.
Stiles, Walter Stanley, O.B.E., D.SC., physicist.
Stocker, Bruce Arnold Dunbar, microbiologist.
Stoicheff, Boris Peter, M.A., PH.D., physicist.
Stoker, Michael George Parke, C.B.E., M.D., pathologist.
Stone, Francis Gordon Albert, M.A., PH.D., SC.D., chemist.
Strang, William John, C.B.E., PH.D., C.ENG., F.R.AE.S., aeronautical engineer.
Stuart, John Trevor, PH.D., mathematician.
Stubblefield, Sir (Cyril) James, D.SC., PH.D., A.R.C.SC., F.G.S., geologist.
Suckling, Charles Walter, PH.D., chemist.
Sucksmith, Willie, D.SC., physicist.
Sugden, Theodore Morris, C.B.E., SC.D., chemist.
Sutcliffe, Reginald Cockcroft, C.B., O.B.E., meteorologist.
Sutherland, Sir Gordon (Brims Black McIvor), M.A., PH.D., SC.D., spectroscopist.
Sutton, John, geologist.
Sutton, Leslie Ernest, M.A., D.PHIL., chemist.
Swallow, John Crossley, PH.D., oceanographer.
Swaminathan, Monkombu Sambasivan, PH.D., agriculturist.
Swann, Sir Michael (Meredith), PH.D., zoologist.
Swinnerton-Dyer, Henry Peter Francis, mathematician.
Sykes, Sir Charles, C.B.E., D.SC., metallurgist.
Synge, John Lighton, M.A., SC.D., F.R.S.C., mathematician.
Synge, Richard Laurence Millington, B.A., PH.D., biochemist.
Szwarc, Michael, chemist.

Tabor, David, SC.D., physicist.
Tait, James Francis, PH.D., biophysicist.
Tait, Sylvia Agnes Sophia, biochemist.
Talling, John Francis, PH.D., freshwater biologist.
Tata, Jamshed Rustom, D. ÈS SC., biochemist.
Taylor, Edward Wilfred, C.B.E., F.INST.P., physicist (optics).
Taylor, Edwin William, PH.D., biophysicist.
Taylor, Sir George, botanist.
Taylor, John Bryan, physicist.
Temple, George, C.B.E., PH.D., D.SC., mathematician.
Thoday, John Marion, geneticist.
Thode, Henry George, C.C., M.B.E., PH.D., chemist and physicist.

Thomas, John Meurig, PH.D., D.SC., F.R.I.C., chemist.
Thomas, Meirion, M.A., F.R.S.E., botanist.
Thompson, Sir Harold (Warris), M.A., B.SC., D.PHIL., chemist.
Thompson, Robert Henry Stewart, M.A., D.M., D.SC., biochemist.
Thorpe, William Homan, SC.D., entomologist.
Thrush, Brian Arthur, SC.D., physical chemist.
Tinbergen, Nikolaas, D.PHIL., zoologist.
Todd, of Trumpington, Baron, Alexander Robertus, O.M., D.SC., D.PHIL., M.A., F.R.I.C., chemist.
Todd, John Arthur, PH.D., mathematician.
Tompkins, Frederick Clifford, D.SC., PH.D., physical chemist.
Townsend, Albert Alan, P.HD., physicist.
Turner, David Warren, M.A., PH.D., physical chemist.
Tyrell, David Arthur John, virologist.

Ubbelohde, Alfred Rene John Paul, M.A., D.SC., chemist.
Underwood, Eric John, C.B.E., B.SC., PH.D., agriculturalist.
Ursell, Fritz Joseph, mathematician.

Vane, John Robert, PH.D., chemist.
Vine, Frederick John, PH.D., geologist.
Vinen, William Frank, M.A., PH.D., physicist.
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Wain, Ralph Louis, C.B.E., D.SC., PH.D., F.R.I.C., agricultural chemist.
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Curran, Sir Samuel (Crowe), m.a., ph.d., d.sc., f.r.s., Nuclear Physicist.
Currie, Alastair Robert, b.sc., m.b., ch.b., f.r.c.p.e., f.r.c.p.g., Pathologist.
Currie, Ronald Ian, b.sc., f.inst.biol., Marine Biologist.
Curtis, Adam Sebastian Genevieve, m.a., ph.d., f.inst.biol., Biologist.
Cusens, Anthony Ralph, ph.d., c.eng., f.i.c.e., f.i.struct.e., Civil Engineer.
Cuthbertson, Sir David (Paton), c.b.e., m.d., d.sc., ll.d., f.r.c.p.e., Biochemist
Cutter, Elizabeth Graham, d.sc., ph.d., Botanist.

Dainty, Jack, m.a., d.sc., Botanist.
Dale, John Egerton, ph.d., Botanist.
Dalling, Sir Thomas, m.a., ll.d., d.sc., d.v.m., f.r.c.v.s., Veterinary Surgeon.
Darling, Sir Frank Fraser, d.sc., ph.d., ll.d., n.d.a., Biologist.
Davidson, Sir Leybourne Stanley Patrick, b.a., m.d., f.r.c.p.
Davidson, Maxwell, ph.d., m.i.mech.e., Engineer.
Davidson, William Mackay, m.b., ch.b., m.d., Haematologist.
Davie, Alexander Munro, ph.d., Mathematician.
Davie, Cedric Thorpe, o.b.e., f.r.a.m., ll.d., Musician.
Davis, Peter Hadland, ph.d., f.l.s., Botanist.
Dawson, Ian MacPhail, d.sc., f.r.i.c., Electron Microscopist.
Dawson, John Barry, ph.d., d.sc., f.g.s., Geologist.
Deacon, Sir George (Edward Raven), c.b.e., d.sc., f.r.s., f.r.met.s., f.r.a.s., f.r.g.s., Oceanographer.
Dee, Philip Ivor, c.b.e., m.a., f.r.s., Physicist.
Desai, Bhimbhai Nichhabhai, d.sc., ph.d., Meteorologist.
Dewar, William McLachlan, c.b.e., m.a., d.litt., Educationist.
Dickson, William, m.b.e., b.sc., t.d., Chemist.
Dingle, Robert Balson, m.a., ph.d., Physicist.
Dobson, Norman, b.sc., m.r.c.v.s., Veterinary Surgeon.
Dodd, James Munro, ph.d., f.r.s., Zoologist.
Doig, Alexander Thom, m.d., f.r.c.p.e., f.r.c.p.g., d.p.h., Physician.
Dollar, Archibald Thomas John, ph.d., a.k.s., f.g.s., m.i.m.m., Geologist.
Donald, Hugh Paterson, m.agr.sc., d.sc., Agriculturist.
Donaldson, Gordon, m.a., d.litt., f.b.a., Historian.
Donovan, Robert John, ph.d., Chemist.
Douglas, Sir Donald Macleod, Kt., m.b.e., ch.m., m.s., f.r.c.s., p.p.r.c.s.e., Surgeon.
Dover, Sir Kenneth James, m.a., f.b.a., Classicist.
Dow, David Rutherford, m.d., ll.d., d.p.h., f.r.c.p.e., Physician.
Dowson, Henry Richard, ph.d., Mathematician.
Doyle, William Patrick, ph.d., Chemist.
Draper, Morrell Henry, o.b.e., m.b., b.s., ph.d., Physician.
Drennan, Alexander Murray, m.d., f.r.c.p.e., Pathologist.
Drever, James, m.a., Psychologist.
Drever, Ronald William Prest, m.a., ph.d., Physicist.
Droop, Michael Richmond, d.sc., ph.d., f.inst.biol., s.p.s.o., Microbiologist.
Duff, Peter Mclaren Donald, ph.d., f.g.s., Geologist.
Dunbar, Alexander, ph.d., Industrialist.
Duncan, John, m.sc., ph.d., Mathematician.
Dunham, Sir Kingsley (Charles), ph.d., s.d., d.sc., c.eng., m.i.m.m., f.g.s., f.r.s., Geologist.
Dunlop, Sir Derrick (Melville), b.a., m.d., f.r.c.p., Physician.
Dunnet, George Mackenzie, ph.d., Zoologist.
Durnin, John Valentine George Andrew, m.a., m.b., ch.b., d.sc., f.r.c.p.g., Physiologist.
Dutton, Geoffrey John Fraser, ph.d., d.sc., Biochemist.

Eason, George, m.sc., ph.d., Mathematician.
Eastham, John Frederick, d.sc., ph.d., f.i.e.e., Engineer.
Ebsworth, Evelyn Algernon Valentine, ph.d., f.c.s., Chemist.
Eddison, James Andrew, m.a., Civil Engineer.
Eden, Robert Arthur b.sc. f.g.s., Geologist.
Edge, William Leonard, m.a., sc.d., Mathematician.
Eggeling, William Julius, c.b.e., ph.d., Biologist.
Eisner, Edward, ph.d., f.inst.p., Physicist.
Elgood, Leonard Alsager, o.b.e., m.c., d.l., j.p., c.a., Industrialist.
Elliot, Gerald, Henry, b.a., a.i.c.s., Industrialist.
Elliott, Frederick Jacob, m.sc., ph.d., f.r.i.c., Physiologist.
Elphinstone, Sir Maurice Douglas Warburton, m.a., f.f.a., Actuary.
Emery, Alan Elgin Heathcote, m.d., d.sc., ph.d., d.p.m., f.r.c.p.e., m.f.c.m., Geneticist.
Emmett, William Gidley, m.a., Educationalist.
Erskine of Rerrick, The Rt. Hon. Lord, g.b.e., d.l., j.p., ll.d., Industrialist.
Etherington, Ivor Malcolm Haddon, b.a., d.sc., Mathematician.
Evans, Henry John, ph.d., Geneticist.
Everett, Douglas Hugh, m.b.e., m.a., d.phil., d.sc., Chemist.
Everitt, William Norrie, m.a., d.phil., Mathematician.

Fairbairn, William Alexander, d.sc., Forester.
Falconer, Douglas Scott, ph.d., sc.d., f.r.s., Geneticist.
Farago, Peter Stephen, ph.d., Physicist.
Farvis, William Ewart John, c.b.e., b.sc., f.i.e.e., Electrical Engineer.
Fellgett, Peter Berners, m.a., ph.d., Physicist.
Fenton, Wilfrid David Drysdale, c.b.e., b.sc., m.i.e.e., Engineer.
Ferguson, Hugh, b.sc., n.d.a., n.d.d., Nutritionist.
Furguson-Smith, Malcolm Andrew, m.b., ch.b., m.r.c.path., f.r.c.p., f.r.c.p.s.g., Geneticist.
Ferrier, Robert Patton, ph.d., Physicist.
Fincham, John Robert Stanley, ph.d., sc.d., f.r.s., Geneticist.
Finney, David John, m.a., sc.d., f.r.s., f.s.s., Statistician.
Finniston, Sir Harold Montague, ph.d., d.sc., Industrialist.
Fisher, Reginald Brettauer, m.a., d.phil., Biochemist.
Fleck, Adam, b.sc., m.b., ch.b., ph.d., f.r.i.c., m.r.c.path., Biochemist.
Fleming, William Launcelot Scott (The Rt Rev. the Dean of Windsor), k.c.v.o., m.a., d.d., m.s., Minister of Religion.
Fletcher, William Whigham, ph.d., f.l.s., Biologist.
Flett, William Roberts, b.sc., Geologist.
Foister, Charles Edward, ph.d., Agriculturist.
Forbes, Ian Alexander, ph.d., f.b.i.m., Chemist.
Forfar, John Oldroyd, m.c., b.sc., m.d., f.r.c.p., d.c.h., Paediatrician.
Forrest, Andrew Patrick McEwen, ch.m., m.d., f.r.c.s.e., f.r.c.s., f.r.c.s.g., Surgeon.
Forrester, Charles, k.i.h., f.h.-w.c., ph.d., f.r.i.c., f.inst.f., Chemist.
Foster, Roy, d.phil., d.sc., Chemist.
Fothergill, John Edward, ph.d., Biochemist.
Francis, Edward Howel, d.sc., f.g.s., Geologist.
Fraser, Sir Ian, d.s.o., o.b.e., d.l., m.d., m.ch., f.r.c.s.(eng.), f.r.c.s.i., Surgeon.
Fraser, Sir James Campbell, b.com., f.b.i.m., Industrialist.
Fraser, James Henry, d.sc., ph.d., m.inst.biol., Marine Biologist.
Fraser, Kenneth Boyd, m.c., ch.b., m.d., d.sc., Microbiologist.
Fraser, Robert, ph.d., Haematologist.
Frazer, Samuel Cherrie, m.b., ch.b., ph.d., Pathologist.
Friend, Greville Furneaux, b.sc., m.a., Zoologist.
Fulton, Angus Anderson, c.b.e., b.sc.eng., ll.d., p.p.i.c.e., f.i.mech.e., Engineer.
Fürth, Reinhold, dr.phil., Physicist.

Ganguli, Sanjiban, m.a., Educationist.
Garland, Peter Bryan, m.b., ch.b., b.a., ph.d., Biochemist.
Garry, Robert Campbell, o.b.e., m.b., ch.b., d.sc., Physiologist.
Garton, George Alan, ph.d., d.sc., Biochemist.
Gash, Norman, b.litt., m.a., f.r.hist.s., f.b.a., f.r.s.l., Historian
Gaze, Raymond Michael, b.a., d.phil., l.r.c.p.e., l.r.c.s.e., f.r.s., Biochemist.
Geddes, William George Nicholson, b.sc., f.i.c.e., f.i.struct.e., c.eng., Engineer.
Gemmell, Alan Robertson, ph.d., m.s., Biologist.
George, Thomas Neville, d.sc., ph.d., sc.d., d. ès sc., f.r.s., f.g.s., Geologist.
Gerard, Arthur Geoffrey Langford, b.a., m.i.e.e., Engineer.
Gibson, Sir Alexander, c.b.e., ll.d., mus.doc., Musical Conductor.
Gibson, David Templeton, m.sc., ph.d., d.sc., Chemist.

Gibson, Thomas, m.b., ch.b., d.sc., f.r.c.s.e., f.r.c.s.g., Bioengineer.
Gifford, Charles Henry Pearson, m.a., Industrialist.
Gilles, Denis Cyril, ph.d., a.r.c.s., d.i.c., f.r.s.a., Computer Scientist.
Gillespie, Rev. Alexander MacAndrew, o.b.e., m.d., d.t.m., f.r.c.p.e., f.r.m.s., f.r.g.s., f.s.a.scot., f.z.s., Physician.
Gillingham, Francis John, m.b.e., m.b., b.s., f.r.c.s., f.r.c.s.e., f.r.c.p.e., Neurologist.
Gimingham, Charles Henry, ph.d., Botanist.
Ginsborg, Bernard Lionel, b.sc., Pharmacologist.
Girdwood, Ronald Haxton, m.d., ph.d., f.r.c.p.e., f.r.c.p., f.r.c.path., Physician.
Glover, Roland Stanley, b.sc., f.inst.biol., Marine Biologist.
Goldberg, Abraham, m.b., ch.b., m.d., d.sc., f.r.c.p.g., f.r.c.p.e., f.r.c.p., Physician.
Gordon, Manfred, ph.d., d.sc., Chemist.
Gosling, Sir Arthur Hulin, k.b.e., c.b., b.sc.for., f.r.i.c.s., Forester.
Goudie, Robert Barclay, m.b., ch.b., m.d., m.r.c.p., f.r.c.p.g., Pathologist.
Gould, James Cameron, m.b., ch.b., m.d., d.sc., f.r.c.p.e., f.inst.biol., Microbiologist.
Gow, John Stobie, ph.d., Industrialist.
Gowenlock, Brian Glover, ph.d., d.sc., Chemist.
Graham, Dennis Coulthard, ph.d., Agriculturist.
Graham, James David Provins, b.sc., m.b., m.d., f.r.c.p.e., f.r.c.p.g., Pharmacologist.
Graham, Sir Norman William, c.b., Educationist.
Grant, Douglas, Publisher.
Grant, Patrick Thomas, ph.d., f.inst.biol., Marine Biologist.
Grassie, Norman, ph.d., d.sc., f.r.i.c., Chemist.
Green, James Alexander, ph.d., Mathematician.
Greening, John Raymond, ph.d., d.sc., f.inst.p., Medical Physicist.
Greenwood, Alan William, c.b.e., d.sc., ph.d., Agriculturist.
Greenwood, Charles Trevor, ph.d., d.sc., f.r.i.c., Chemist.
Gregor, James Wyllie, c.b.e., ph.d., d.sc., f.inst.biol., Biologist.
Gregory, Richard Langton, m.a., Psychologist.
Greig, David Cunningham, m.a., b.sc., f.g.s., Geologist.
Greig, James, m.sc., ph.d., m.i.e.e., f.h.-w.c., Electrical Engineer.
Gresson, Richard Arbuthnot Reynell, ph.d., d.sc., m.r.i.a., Zoologist.
Gunn, John Currie, m.a., Physicist.
Gunstone, Frank Denby, ph.d., d.sc., f.r.i.c., Chemistry.
Guthrie, David Maltby, ph.d., Zoologist.
Guthrie, William Gilmour, m.a., ph.d., f.r.a.s., Astronomer.

Haddington, The Rt. Hon. The Earl of, m.c., t.d., d.l., Antiquarian.
Haddow, Alexander John, c.m.g., d.sc., m.d., d.t.m. & h., f.r.c.p.g., f.r.s., Epidemiologist.
Haddow, Sir (Thomas) Douglas, m.a., ll.d., Industrialist.
Hale, Arthur James, m.b., ch.b., ph.d., d.sc., f.r.c.path., f.inst.biol., Industrialist.
Halnan, Keith Edward, m.a., m.d., b.chir., f.r.c.r., f.r.c.p.g f.r.c.p., Radiologist.
Hamilton, John Alexander King, g.m., d.sc., f.h.-w.c., f.i.c.e., m.i.mech.e., Civil Engineer.
Hamilton, Richard Alexander, o.b.e., m.a., Meteorologist.
Harland, Sydney Cross, d.sc., f.r.s., Botanist.
Harper, Alfred Alexander, m.a., m.b., ch.b., m.d., Physiologist.
Harper, Philip George, ph.d., Physicist.
Harper, Walter Fearn, o.b.e., m.d., ph.d., Anatomist.
Harris, Phillip, f.r.c.p.e., f.r.c.s.e., f.r.c.s.g., f.r.s.m., Neurosurgeon.
Harrison, John Heslop, d.sc., ph.d., f.r.s., f.l.s., m.r.i.a., Botanist.
Hawthorn, John, ph.d., f.r.i.c., Nutritionist.
Haxton, Herbert Alexander, b.sc., m.b., ch.b., ch.m., m.d., f.r.c.s., Surgeon.
Hay, Denys, b.a., m.a., d.litt., f.b.a., Historian.
Hay, Robert Walker, ph.d., Chemist.
Hayes, William, b.a., m.b., ch.b., b.a.o., sc.d., d.sc., f.r.s., f.r.c.p.i., d.h.p., Biologist.
Heald, Peter Joseph, d.sc., ph.d., Biochemist.
Heggie, James Ferguson, v.d., m.b., ch.b., b.sc., Pathologist.
Helliwell, John Brian, ph.d., Mathematician.
Henderson, Douglas Mackay, b.sc., Botanist.
Henderson, George Otto Thomson Dawson, d.s.c., ph.d., Oceanographer.
Henderson, Sir William (MacGregor), d.sc., f.r.s., f.r.c.v.s., Animal Virologist.
Hendry, Arnold William, ph.d., d.sc., f.i.c.e., m.i.struct.e.' Civil Engineer.
Heyes, John Kenneth, m.sc., ph.d., f.c.s., Botanist.
Heywood, Philip, m.a., d.phil., Mathematician.
Hibberd, George, ph.d., a.r.c.s.t., m.i.min.e., Mining Engineer.
Higgs, Peter Ware, m.sc., ph.d., Physicist.
Hill, Alexander Reid, ph.d., Zoologist.
Hill, Sir Ian George Wilson, c.b.e., t.d., m.b., ch.b., ll.d., f.r.c.p., Physician.
Hislop, George Steedman, c.b.e., ph.d., a.r.c.s.t., c.eng., f.i.mech.e., f.r.ae.s., f.r.s.a., Engineer.
Hoare, Derrick Ernest, m.a., ph.d., Chemist.
Hobson, Peter Norman, ph.d., d.sc., f.r.i.c., Microbiologist.
Hoggan, Harry, m.a., ed.b., Broadcaster.
Holden, Alan Vernon, b.a., p.s.o., Fisheries Biologist.
Holliday, Frederick George Thomas, c.b.e., b.sc., Zoologist.
Holms, William Henry, ph.d., m.inst.biol., Biochemist.
Home of the Hirsel, Baron, Alexander Frederick Douglas-Home, k.t., p.c., d.l., b.a., Politician.
Hopkins, Charles Adrian, ph.d., Parasitologist.
Horn, David Bowes, ph.d., f.r.i.c., f.r.c.path., Chemist.
Horspool, William McKie, ph.d., m.r.i.c., Chemist.
Howie, John Mackintosh, m.a., d.phil., Mathematician.
Hughes, Ian Simpson, ph.d., Physicist.
Hunt, Owen Duke, b.sc., Zoologist.
Hunter, Sir Robert Brockie, m.b., ch.b., ll.d., f.r.c.p.e., f.r.c.p., Pharmacologist.
Hutchinson, Stephen Angus, ph.d., t.d., Botanist.
Hutchison, James Holmes, m.b., ch.b., m.d., f.r.c.p.g., f.r.c.p., f.r.c.p.e., Paediatrician.
Hutchison, Thomas Sherret, ph.d., Physicist.
Hutchison, William McPhee, d.sc., ph.d., Parasitologist.
Hutton, William, c.b.e., m.a., ll.b., Solicitor.
Hyslop, James Morton, m.a., d.sc., ph.d., Mathematician.

Iball, John, d.sc., f.inst.p., Chemist.
Iggo, Ainsley, m.agr.sc., ph.d., Veterinary Surgeon.
Imrie, Sir John Dunlop, c.b.e., m.a., b.com., j.p., Administrator.
Irvine, William James, b.sc., m.b., ch.b., d.sc., f.r.c.p.e., m.r.c.path., Physician.

Jack, David, ph.d., f.p.s., f.r.i.c., Industrialist.
Jackson, John Meadows, ph.d., f.i.m.a., f.r.a.s., Mathematician.
Jackson, Kenneth Hurlstone, m.a., litt.d., f.b.a., f.s.a.scot., Celtic Linguist.
Jackson, Philip, m.sc., c.eng., f.i.mech.e., f.i.chem.e., Engineer.
Jacobs, Patricia Ann, d.sc., Anatomist.
Jaeger, Leslie Gordon, m.a., ph.d., Engineer.
James, Keith, ph.d., d.sc., Surgeon.
Jarrett, William Fleming Hoggan, ph.d., m.r.c.v.s., Pathologist.
Jeffrey, Alan, d.sc., ph.d., f.i.m.a., Mathematician.
Jennett, William Bryan, m.b., ch.b., f.r.c.s., m.d., Neurosurgeon.
Johnson, Michael Raymond Walter, ph.d., f.g.s., Geologist.
Johnson, Ralph Hudson, m.a., m.d., d.sc., d.phil., d.m., f.r.c.p.g., Neurosurgeon.
Johnston, John McQueen, c.b.e., m.d., ll.d., f.r.c.s.e., f.r.c.p.e., Physician.
Johnstone, George Scott, b.sc., f.g.s., Geologist.
Jones, Douglas Samuel, m.b.e., m.a., d.sc., f.r.s., Mathematician.
Jones, Reginald Victor, c.b., c.b.e., m.a., d.phil., f.r.s., Physicist.
Jurand, Arthur, ph.d., Teratologist.

Kay, Sir Andrew (Watt), m.d., ch.m., f.r.c.s.e., f.r.c.s.g., f.r.c.s., Surgeon.
Kay, Robin Noel Brunyate, m.a., ph.d., Physiologist.
Keers, Robert Young, m.d., f.r.c.p.e., f.r.c.p.g., Physician.
Keir, Hamish MacDonald, ph.d., f.r.i.c., f.inst.biol., Biochemist.
Kemball, Charles, m.a., sc.d., f.r.i.c., m.r.i.a., f.r.s., Chemist.
Kemmer, Nicholas, m.a., ph.d., f.r.s., Physicist.
Kendall, James Pickering, m.a., d.sc., ll.d., f.r.s., Chemist.
Kendall, James Tyldesley, m.a., ph.d., f.inst.p., m.i.e.e., f.r.i.c., Industrialist.
Kenedi, Robert Maximillian, ph.d., a.r.c.s.t., f.i.mech.e., m.r.ae.s., Engineer.
Kennedy, Walter Phillips, c.st.j., ph.d., f.r.c.p.g., f.r.i.c., Chemist.
Kennedy, William Quarrier, d.sc., f.r.s., f.g.s., Geologist.
Kerr, John Gibson, w.s., f.r.a.s., Solicitor.

Kerr, William Rowan, I.S.O., PH.D., F.R.C.V.S., D.V.S.M., F.R.C.PATH., Veterinary Surgeon.
Kevan, Douglas Keith McEwan, PH.D., A.I.C.T.A., M.INST.BIOL., Entomologist.
King, Basil Charles, PH.D., D.SC., F.G.S., Geologist.
King, John William Beaufoy, M.A., PH.D., F.INST.BIOL., Biologist.
Kirby, Gordon William, M.A., PH.D., SC.D., F.R.I.C., Chemist.
Knops, Robin John, PH.D., Mathematician.
Knox, John, B.SC., Geologist.
Knox, John Henderson, D.SC., PH.D., Chemist.
Knox, Sir Thomas Malcolm, M.A., LL.D., Philosopher.
Koller, Peo Charles, PH.D., D.SC., Cytogeneticist.
Kosterlitz, Hans Walter, M.D., PH.D., D.SC., Pharmacologist.
Krishnan, Kumarapuram Vythilinga, M.B., B.S., M.R.C.P.E., D.SC., D.B., Surgeon.
Kuper, Charles Goethe, M.A., PH.D., Physicist.

Lamb, John, PH.D., D.SC., M.I.E.E., F.INST.P., Electrical Engineer.
Lambert, John Denholm, PH.D., F.I.M.A., Mathematician.
Lamont, Archibald, M.A., PH.D., F.G.S., Geologist.
Landsberg, Peter Theodore, PH.D., D.SC., F.INST.P., F.I.M.A., Mathematician.
Langmuir, Eric Duncan Grant, M.A., Educationist.
Last, Frederick Thomas, PH.D., D.SC., A.R.C.S., D.I.C., F.INST.BIOL., Biologist.
Laverack, Michael Stuart, PH.D., M.INST.BIOL., Marine Biologist.
Lawley, Derrick Norman, M.A., D.SC., Statistician.
Lawrie, Ralston Andrew, D.SC., PH.D., F.R.I.C., F.I.F.S.T., Nutritionist.
Lawrie, Thomas Russell MacLaren, B.SC., Geologist.
Leake, Bernard Elgey, PH.D., D.SC., F.G.S., Geologist.
Learmonth, Catherwood Craig, Administrator.
Leaver, Derek, PH.D., A.R.I.C., Chemist.
Ledermann, Walter, PH.D., D.SC., Mathematician.
Lees, Howard, PH.D., Microbiologist.
Lenihan, John Mark Anthony, O.B.E., M.SC., PH.D., F.INST.P., M.I.E.E., Physicist.
Lever, Anthony Fairclough, B.SC., M.B., B.S., F.R.C.P., F.R.S.M., Physician.
Lewis, Gething Morgan, M.SC., PH.D., F.INST.P., Physicist.
Lickley, Robert Lang, C.B.E., D.SC., C.ENG., F.I.C., F.C.G.L.I., F.R.AE.S., P.P.I.M.E., A.F.A.I.AE.A., Industrialist.
Lister, Harold, PH.D., Glaciologist.
Lloyd, Douglas Mathon Gent, D.SC., F.R.I.C., Chemist.
Lockhart, Robert Douglas, CH.M., M.D., F.S.A.SCOT., Anatomist.
Long, Albert George, D.SC., LL.D., Palaeobotanist.
Long, Cyril, M.A., D.PHIL., Biochemist.
Longuet-Higgins, Hugh Christopher, M.A., D.PHIL., F.R.S., Psychologist.
Loraine, John Alexander, M.B., CH.B., PH.D., D.SC., F.R.C.P.E., Endocrinologist.
Lord, Reginald Douglas, M.SC., F.S.S., Mathematician.
Love, Phil Prince, B.SC., A.R.C.S.T., M.I.MECH.E., Engineer.
Low, James Wotherspoon, PH.D., Zoologist.
Lowe, Sir David, C.B.E., Horticulturist.
Lowe, David Nicoll, O.B.E., M.A., B.SC., Administrator.
Lowenstein, Otto, DR.PHIL., PH.D., D.SC., F.R.S., Zoologist.
Lucas, Cyril Edward, C.M.G., D.SC., F.R.S., F.INST.BIOL., Biologist.
Lumsden, George Innes, B.SC., F.G.S., Geologist.
Lumsden, William Hepburn Russell, M.B., CH.B., D.SC., D.T.M. & H., F.R.C.P.E., F.INST.BIOL., F.R.S.M., Protozoologist.

McAlpine, William Hepburn, Industrialist.
MacBeath, Alexander Murray, M.A., PH.D., Mathematician.
McCall, David, PH.D., F.L.S., Pharmacist.
McCallien, William John, D.SC., Geologist.
McCallum, Donald Murdo, B.S., C.ENG., F.I.E.E., Industrialist.
McCombie, Charles William, M.A., PH.D., Physicist.
McCrea, William Hunter, M.A., PH.D., SC.D., F.R.S., F.R.A.S., M.R.I.A., Astronomer.
McDiarmid, Archibald, PH.D., D.SC., M.R.C.V.S., F.R.C.PATH., Veterinary Surgeon.
MacDonald, Alexander, M.A., M.D., Bacteriologist.
McDonald, Duncan, C.B.E., B.SC., F.H.-W.C., F.I.E.E., S.M.I.E.E.E., Industrialist.
MacDonald, James Alexander, PH.D., D.SC., F.INST.BIOL., Botanist.
MacDonald, James David, B.SC., F.L.S., F.Z.S., F.INST.BIOL., Zoologist.
McDonald, Peter, PH.D., D.SC., F.R.I.C., Biochemist.
MacDonald, Simon Gavin George, M.A., PH.D., F.INST.P., Physicist.
MacEwan, Douglas MacLean Clark, M.A., PH.D., F.INST.P., Physicist.
McEwen, Ewen, C.B.E., D.SC., C.ENG., F.I.M.E., Industrialist.
MacFarlane, Sir James Wright, PH.D.ENG., WH.SC., F.I.E.E., F.I.MECH.E., J.P., Engineer.
McGirr, Edward McCombie, C.B.E., B.SC., M.B., CH.B., M.D., F.R.C.P., F.R.C.P.E., F.R.C.P.G., Physician.
MacGregor, Archibald Gordon, M.C., D.SC., F.G.S., Geologist.
MacGregor, Thomas Nicol, M.D., M.R.C.P.E., F.R.C.S.E., F.R.C.O.G., Obstetrician.
McIntosh, Angus, A.M., D.PHIL., Philologist.
McIntosh, Douglas Haig, M.A., D.SC., Meteorologist.
McIntosh, Douglas Moul, C.B.E., M.A., PH.D., LL.D. F.E.I.S., Educationist.
McIntyre, Alasdair Duncan, D.SC., Marine Biologist.
McIntyre, Donald Bertram, PH.D., D.SC., F.G.S., Geologist.
McIntyre, John, M.A., D.LITT., D.D., Cleric.
Mackenzie, Robert Cameron, PH.D., D.SC., F.R.I.C., Chemist.
MacKenzie, William Scott, M.A., PH.D., F.G.S., Geologist.
Mackie, Alexander, D.SC., PH.D., F.R.I.C., Chemist.
Mackie, Andrew George, M.A., PH.D., Mathematician.
MacLagan, Daniel Stewart, D.SC., PH.D., F.R.E.S., Zoologist.
McLaren, Anne, F.R.S., D.PHIL., Geneticist.
McLean, Thomas Pearson, PH.D., F.INST.P., Physicist.
Macleod, Anna Macgillivray, PH.D., M.INST.BIOL., Biologist.
McLeod, John Bryce, M.A., D.PHIL., Mathematician.
McNee, Sir John (William), D.S.O., M.D., D.SC., F.R.C.P., LL.D., Physician.
MacNiven, Angus, M.B., CH.B., F.R.C.P.E., F.R.C.S.G., D.P.M., Physician.
Macpherson, Archibald Ian Stewart, M.B., CH.B., CH.M., F.R.C.S.E., Surgeon.
MacTaggart, Sir William, HON. R.A., H.R.S.W., LL.D., Artist.
McVittie, George Cunliffe, O.B.E., M.A., PH.D., F.R.A.S., Astronomer.
McWhirter, Robert, M.B., CH.B., F.R.C.S.E., D.M.R.E., Radiologist.
Maden, Barry Edward Howorth, B.A., M.B., B.CHIR., PH.D., Biochemist.
Malcolm, John Laurence, B.MED.SC., M.B., CH B., Physiologist.
Mallard, John Rowland, PH.D., D.SC., F.INST.P., C.ENG., F.I.E.E., Physicist.
Manners, David John, M.A., D.SC., F.R.I.C., Biochemist.
Manning, Aubrey William George, D.PHIL., Biologist.
Marmion, Barrie Patrick, M.D., D.SC., M.R.C.S., L.R.C.P., M.R.C.P.A., F.R.C.P.E., F.R.C.PATH., Bacteriologist.
Marrian, Guy Frederick, D.SC., F.R.S., F.R.S.C., Biochemist.
Martin, Daniel, M.A., PH.D., Mathematician.
Mason, John Huxley, F.R.C.V.S., Veterinary Surgeon.
Matthew, Norman Graham, F.R.A.S., P.P.R.S.S.A., Astronomer.
Matthews, John Drake, B.SC.FOR., Forestry.
Maule, John Patrick, O.B.E., M.A., A.I.C.T.A., Geneticist.
Meares, Patrick, M.A., PH.D., D.SC., Chemist.
Mee, Arthur James, O.B.E., M.A., B.SC., F.R.I.C., Educationist.
Megaw, Basil Richardson Stanley, B.A., F.S.A., F.M.A., Anthropologist.
Meidner, Hans Anton, PH.D., D.I.C., Biologist.
Mekie, David Eric Cameron, O.B.E., M.B., CH.B., F.R.C.S.E., Surgeon.
Melville, Sir Harry Work, K.C.B., PH.D., D.SC., F.R.S., Chemist.
Meredith, Reginald, D.SC., F.INST.P., F.T.I., Fibre Scientist.
Michaelson, Sidney, A.R.C.S., B.SC., Computer Scientist.
Michie, Donald, M.A., D.PHIL., Computer Scientist.
Millar, Robert Hannay, M.A., PH.D., D.SC., Zoologist.
Miller, Agnes E., M.A., PH.D., Zoologist.
Miller, Christina Cruickshank, PH.D., D.SC., F.H.-W.C., Chemist.
Miller, Ronald, M.A., PH.D., F.R.G.S., P.R.S.G.S., Geographer.
Mills, Colin Frederick, M.SC., PH.D., F.R.I.C., Biologist.
Milne, Alexander, M.A., PH.D., D.SC., F.INST.BIOL., Biologist.
Misselbrook, Bertram Desmond, C.B.E., B.A., Industrialist.
Mitchell, Andrew Ronald, PH.D., D.SC., Mathematician.
Mitchell, Robert Lyell, PH.D., F.R.I.C., Spectrochemist.
Mitchison, John Murdoch, M.A., PH.D., SC.D., Zoologist.
Monteith, John Lennox, D.I.C., PH.D., F.INST.P., F.R.S., Physicist.
Montgomery, George Lightbody, C.B.E., T.D., PH.D., Pathologist.
Moorhouse, Robert Gordon, M.A., PH.D., Physicist.
Morgan, Henry Gemmell, B.SC., M.B., CH.B., F.R.C.P.E., F.R.C.P.G., F.R.C.PATH., Pathologist.
Morris, Ernest Oliver, PH.D., F.INST.BIOL., Biologist.
Morton, Andrew Queen, M.A., B.SC., B.D., Minister of Religion.
Mulligan, William, M.SC., PH.D., Veterinary Physiologist.
Munn, Walter Douglas, M.A., D.SC., Mathematician.
Munro, Hamish Nisbet, D.SC., M.B., CH.B., Physiologist.

Murchison, Duncan George, ph.d., f.g.s., Geologist.
Mykura, Walter, d.sc., f.g.s., Geologist.
Nairn, Richard Charles, m.d., ph.d., Pathologist.
Nandy, Kashinath, m.sc., ph.d., Astronomer.
Nash-Williams, Crispin St. John Alvah, m.a., ph.d., Mathematician.
Newth, David Richmond, ph.d., Zoologist.
Nicol, Thomas, m.d., ch.b., d.sc., f.r.c.s., f.r.c.s.e., Anatomist.
Nicoll, Gordon Ramsay, m.a., b.sc.eng., c.eng., m.i.e.e., Electrical Engineer.
Nisbet, Andrew, m.a., Mathematician.
Nisbet, Stanley Donald, m.a., b.ed., Educationist.
Noble, Benjamin, m.a., b.sc., a.m.i.e.e., Mathematician.
Noble, Mary Jessie McDonald, ph.d., f.inst.biol., Biologist.
Noble, Sir (Thomas Alexander) Fraser, m.b.e., m.a., ll.d., Political Economist.
North, Alastair Macarthur, ph.d., d.sc., Chemist.

Ockrent, Charles, ph.d., d.sc., f.r.i.c., Industrialist.
Odell, Noel Ewart, ph.d., a.r.s.m., f.g.s., Geologist.
Offord, Albert Cyril, d.sc., ph.d., f.r.s., Mathematician
Ogg, Sir William Gammie, m.a., ph.d., Agriculturist.
O'Hara, Michael John, m.a., ph.d., Geologist.
Oliphant, William Douglas, b.sc., m.i.e.e., f.inst.p., Engineer.
Ong, Guan Bee, o.b.e., m.b., b.s., f.r.c.s.e., f.r.c.s., f.a.c.s., f.r.a.c.s., Surgeon.
Oppenheim, Sir Alexander, o.b.e., m.a., d.sc., ph.d., d.litt., ll.d., f.w.a., Mathematician.
Orr, John Stewart, d.sc., f.inst.p., Physicist.
Osborne, Donald Vernon, m.a., ph.d., Physicist.
Ovenden, Michael William, ph.d., m.a., Astronomer.

Pack, Donald Cecil, c.b.e., m.a., d.sc., Mathematician.
Paget, George Edward, m.b., b.s., m.d., d.c.h., Toxicologist.
Paintal, Arthur Singh, ph.d., d.sc., Physician.
Pal, Rudrendra Kumar, d.sc., f.r.c.p.e., f.r.c.s.e., f.n.a., f.a.s., Physiologist.
Parrish, Basil Brocket, b.sc., Marine Biologist.
Parrott, Delphine, ph.d., Immunologist.
Passmore, Reginald, m.a., d.m., Physiologist.
Pateman, John Arthur Joseph, ph.d., m.a., Geneticist.
Paterson, Thomas T., b.sc., Economist.
Patten, Thomas Diery, ph.d., c.eng., f.i.mech.e., Mechanical Engineer.
Patterson, Edward McWilliam, ph.d., Mathematician.
Patterson, Edward Mervyn, d.sc., m.r.i.a., f.r.s.a., f.g.s., Geologist.
Patterson, Henry Desmond, d.sc., Statistician.
Paul, John, m.b., ch.b., ph.d., f.r.c.p.e., f.r.c.p.g., f.r.c.path., Physician.
Pauson, Peter Ludwig, ph.d., f.r.i.c., Chemist.
Pawley, Godfrey Stewart, ph.d., Physicist.
Pawson, Henry Cecil, m.b.e., d.sc., Agriculturist.
Peacock, James Douglas, ph.d., Geologist.
Pearce, Robert Penrose, ph.d., f.r.met.s., Meteorologist.
Peddie, John Ronald, c.b.e., m.a., d.litt., ll.d., Administrator.
Pennington, Ronald John Trueman, d.sc., ph.d., Neurochemist.
Penny, Francis David, b.sc., c.eng., m.i.mech.e., Engineer.
Percival, (Mrs.) Ethel Elizabeth, ph.d., d.sc., Chemist.
Perkins, Peter Graham, ph.d., d.sc., Chemist.
Perry, Sir (Walter) Laing Macdonald, o.b.e., m.d., d.sc., f.r.c.p.e., Pharmacologist.
Phemister, James, m.a., d.sc., Geologist.
Phemister, Thomas Crawford, d.sc., ph.d., sc.m., dr.de l'univ., f.g.s., Geologist.
Philipson, Sir Robin, a.r.a., h.r.a., r.s.w., d.a., Artist.
Phillips, John Frederick Vicars, d.sc., f.r.s.s.afr., Biologist.
Pichamuthu, Charles Solomon, ph.d., d.sc., f.g.s., Geologist.
Pickford, Mary, d.sc., l.r.c.p., m.r.c.s., f.r.s., Physiologist.
Piggott, Stuart, dr.litt.hum., f.b.a., Archaeologist.
Plenderleith, Harold James, c.b.e., m.c., ph.d., ll.d., f.s.a., f.m.a., Conservationist.
Polwarth, Baron, Henry Alexander Hepburne-Scott, t.d., d.l., c.a., ll.d., Industrialist.
Pontecorvo, Guido, ph.d., f.r.s., Geneticist.
Porteous, John Wardman, ph.d., Biochemist.
Potter, Harold S. A., m.a., d.phil., Mathematician.
Powell, John Alfred, m.a., d.phil., f.i.e.e., f.r.i.m., Industrialist.
Pringle, Alexander Kerr, b.sc., f.g.s., Geologist.
Pringle, Derek Hair, ph.d., f.inst.p., Industrialist.
Pringle, Robert William, o.b.e., ph.d., f.inst.p., f.r.s.c., Industrialist.
Pugh, Hubert Lloyd David, d.sc., f.inst.p., f.i.m., c.eng., f.i.m.e., Engineer.
Pursey, Derek Lindsay, ph.d., Physicist.
Pyefinch, Kenneth Arthur, m.a., Biologist.
Pyke, Magnus, ph.d., f.r.i.c., Chemist.

Raeburn, John Ross, m.s., ph.d., m.a., Agriculturist.
Raistrick, Bernard, ph.d., f.r.i.c., f.i.chem.e., Engineer.
Rajam, Ramakrishna Venkata, m.b., m.s., Surgeon.
Randall, Sir John (Turton), d.sc., f.inst.p., f.r.s., Biophysicist.
Rankin, Robert Alexander, m.a., ph.d., sc.d., Mathematician.
Raphael, Ralph Alexander, ph.d., d.sc., f.r.s., Chemist.
Read, Selwyn, b.a., Schoolmaster.
Reddish, Vincent Cartledge, d.sc., ph.d., Astronomer.
Reed, James, b.sc., f.i.c.e., m.i.struct.e., Engineer.
Reeve, Eric Cyril Raynold, m.a., d.phil., Geneticist.
Reid, David Herald, ph.d., d.sc., Chemist.
Reid, John McArthur, m.a., Physicist.
Reid, Robert Lovell, ph.d., Agriculturist.
Reid, Sir William, c.b.e., ph.d., Mining Engineer.
Reynolds, Doris Livesey, d.sc., f.g.s., Geologist.
Richards, John Charles Shenstone, ph.d., m.i.e.e., Physicist.
Richardson, John Alan, ph.d., m.inst.p., Botanist.
Ridley, Thomas, b.sc., d.i.c., f.i.c.e., m.a.c.e., Engineer.
Riley, James Frederic, m.d., ph.d., d.m.r.t., f.r.c.s.e., Radiotherapist.
Ringrose, John Robert, ph.d., Mathematician.
Ritchie, Alfred, o.b.e., ph.d., Marine Biologist.
Ritchie, Anthony Elliot, c.b.e., m.a., b.sc., m.d., Physiologist.
Ritchie, Patrick Dunbar, ph.d., f.r.i.c., f.p.r.i., Chemist.
Roach, Gary Francis, m.sc., ph.d., Mathematician.
Robb, William, n.d.a., Agriculturist.
Roberts, John Alexander Fraser, c.b.e., m.a., m.d., d.sc., f.r.s., f.r.c.p., Physician.
Roberts, Ronald John, ph.d., m.r.c.path., m.r.c.v.s., m.i.biol., Biologist.
Robertson, Alan, o.b.e., ph.d., d.sc., f.r.s., Geneticist.
Robertson, Sir Alexander, m.a., ph.d., ll.d., Veterinary Surgeon.
Robertson, Alexander Provan, m.a., ph.d., f.i.m.a., Mathematician.
Robertson, Anne Strachan, m.a., d.litt., f.s.a.scot., f.s.a., Archaeologist.
Robertson, Forbes William, ph.d., d.sc., f.inst.biol., Geneticist.
Robertson, Hamish Alexander, ph.d., f.r.i.c., Agriculturist.
Robertson, James, b.sc., c.eng., f.i.c.e., Industrialist.
Robertson, James Duncan, ph.d., sc.d., f.z.s., Zoologist.
Robertson, James Ian Summers, b.sc., m.b., b.s., f.r.c.p., Physician.
Robertson, John Monteath, c.b.e., m.a., ph.d., d.sc., f.r.i.c., f.inst.p., f.r.s., Chemist.
Robertson, Lewis Findlay, c.b.e., ll.d., Industrialist.
Robertson, Noel Farnie, c.b.e., ph.d., m.a., Agriculturist.
Robertson, Robert Hugh Stannus, m.a., f.g.s., f.eug.s., Mineralogist.
Robertson, Thomas, ph.d., a.h.-w.c., a.m.i.m.m., f.g.s., Geologist.
Robertson, William Shepherd, c.b.e., b.sc., Industrialist.
Robson, John Michael, m.d., d.sc., Pharmacologist.
Romanes, George John, b.a., ph.d., m.b., ch.b., Anatomist.
Rook, John Allan Fynes, d.sc., ph.d., f.r.i.c., Nutritionist.
Roper, Joseph Alan, ph.d., Geneticist.
Rorke, John, ph.d., a.r.t.c., f.i.m.e., Industrialist.
Ross, Alan Dawson, ph.d., f.i.c.e., Civil Engineer.
Ross, John Muirhead, f.f.a., Actuary.
Ross, Marion Amelia Spence, m.a., ph.d., Physicist.
Roy, Archibald Edmiston, ph.d., f.r.a.s., Astronomer.
Rushbrooke, George Stanley, ph.d., m.a., Physicist.
Rushworth, Francis Alwyn, ph.d., a.r.c.s., f.inst.p., Physicist.
Russell, David Francis Oliphant, c.b.e., m.c., d.l., d.sc., Industrialist.
Russell-Hunter, William Devigne, ph.d., d.sc., m.inst.biol., Biologist.
Rutherford, William Hood, f.c.i.s., Chartered Secretary.

Sabine, Peter Aubrey, ph.d., d.sc., a.r.c.s., f.i.m.m., f.r.s.a., Geologist.
Sandeman, Ian, m.a., d.sc., ph.d., Educationist.
Sang, James Henderson, ph.d., Biologist.
Sansome, Frederick Whalley, ph.d., f.l.s., f.r.s.a., Botanist.
Saunders, Richard Lorraine de Chasteney Holbourne, m.d., Anatomist.
Saville, Alan, b.sc., Marine Biologist.
Say, Maurice George, ph.d., m.i.e.e., Electrical Engineer.

Scarborough, Harold, M.B., CH.B., PH.D., F.R.C.P., Physician.
Schlapp, Robert, M.A., PH.D., Mathematician.
Scothorne, Raymond John, B.SC., M.D., F.R.C.S.G., Anatomist
Scott, George Ian, C.B.E., M.A., M.B., CH.B., F.R.C.S.E., F.R.C.P.E., Ophthalmologist.
Senior, William Hirst, C.B., M.SC., Agriculturist.
Shah, Swarupchand Mohanlal, M.A., PH.D., D.LITT., Mathematician.
Sharp, David William Arthur, M.A., PH.D., Chemist.
Sharpe, John Walker, M.A., F.INST.P., Physicist.
Sharples, Alan, PH.D., Chemist.
Shepherd, David Mitchell, PH.D., F.INST.BIOL., Pharmacologist.
Sherwood, John Neil, PH.D., F.R.I.C., Chemist.
Shewan, James Mackay, PH.D., F.R.I.C., F.INST.BIOL., Biologist.
Short, Roger Valentine, PH.D., SC.D., F.R.S., M.R.C.V.S., Biologist.
Siller, Walter George, M.R.C.V.S., PH.D., Veterinary Surgeon.
Sillitto, Richard Malcolm, B.SC., F.INST.P., Physicist.
Silver, Robert Simpson, C.B.E., M.A., PH.D., D.SC., F.INST.P., M.I.MECH.E., M.I.MAR.E., Mechanical Engineer.
Silvey, Samuel David, M.A., PH.D., Statistician.
Sim, George Andrew, PH.D., Chemist.
Simmonds, Norman Willison, SC.D., A.I.C.T.A., F.INST.BIOL., Biologist.
Simpson, David Cumming, M.B.E., PH.D., Bioengineer.
Simpson, Hugh Cameron, C.ENG., S.M., SC.D., F.INST.P., F.I.MECH.E., A.M.I.CHEM.E., Engineer.
Simpson, John Alexander, M.D., F.R.C.P., F.R.C.P.E., F.R.C.P.G., Neurologist.
Simpson, Thomas Hardy, PH.D., Marine Biologist.
Slack, Harry D., PH.D., Zoologist.
Sleeman, Brian David, PH.D., F.I.M.A., Mathematician.
Smart, John, M.A., PH.D., D.SC., F.R.E.S., Zoologist.
Smellie, Robert Martin Stuart, PH.D., D.SC., Biochemist.
Smith, Alexander Martin, O.B.E., PH.D., D.SC., F.R.I.C., F.H.-W.C., Agriculturist.
Smith, Frederick Randall, PH.D., F.R.I.C., Chemist.
Smith, Horace George, PH.D., Chemist.
Smith, James Andrew Buchan, C.B.E., PH.D., D.SC., LL.D., F.R.I.C., Nutritionist.
Smith, James Boyd, M.A., B.SC., Engineer.
Smith, John Edward, PH.D., D.SC., Microbiologist.
Smith, Robert Allan, C.B.E., M.A., PH.D., F.R.S., Physicist.
Smith, Stanley Desmond, D.SC., PH.D., F.INST.P., F.R.S., Physicist.
Smith, Thomas Broun, Q.C., M.A., D.C.L., LL.D., F.B.A., Solicitor.
Smithies, Frank, M.A., PH.D., Mathematician.
Smout, Thomas Christopher, M.A., PH.D., Economist.
Smyth, Michael Jessop, M.A., PH.D., F.R.A.S., Astronomer.
Sneddon, Ian Naismith, O.B.E., M.A., D.SC., Mathematician.
Spear, Walter Eric, PH.D., D.SC., F.INST.P., Physicist.
Spence, David Hugh Neven, PH.D., Botanist.
Spence, James Ramsay, O.B.E., B.SC., C.ENG., F.I.MECH.E., M.I.PROD.E., Industrialist.
Sprent, Peter, PH.D., Mathematician.
Spreull, James Spreull Andrew, PH.D., M.R.C.V.S., Veterinary Surgeon.
Stamp, John Trevor, C.B.E., D.SC., M.R.C.V.S., Veterinary Surgeon.
Standley, Kenneth Jack, M.A., D.PHIL., Physicist.
Steele, John Hyslop, D.SC., Marine Biologist.
Steer, Kenneth Arthur, C.B.E., M.A., PH.D., F.S.A., F.S.A.SCOT., Archaeologist.
Stenlake, John Bedford, PH.D., D.SC., F.P.S., F.R.I.C., F.C.S., Pharmacologist.
Stevens, Thomas Stevens, D.PHIL., F.R.S., Chemist.
Stewart, Alexander Boyd, M.A., PH.D., F.R.I.C., Botanist.
Stewart, Sir Frederick (Henry), PH.D., F.R.S., F.G.S., Geologist.
Stewart, Harold Charles, C.B.E., D.L., M.A., M.D., PH.D., F.R.C.P., F.F.A., R.C.S., Pharmacologist.
Stewart, William Duncan Paterson, D.SC., PH.D., F.INST.BIOL., F.R.S., Biologist.
Stibbs, Douglas Walter Noble, M.SC., D.PHIL., F.R.A.S., Astronomer.
Stirling, James, D.SC., Botanist.
Stoker, Michael George Parke, M.A., M.D., F.R.S., Pathologist.
Stoward, Peter John, M.A., D.PHIL., Anatomist.
Stoy, Richard Hugh, C.B.E., M.A., PH.D., Astronomer.
Strachan, Charles, M.A., PH.D., Physicist.
Strong, John Anderson, M.B.E., CH.B., B.A.O., M.A., M.D., F.R.C.P., F.R.C.P.E., Physician.
Stuart, Angus Erskine, M.B., CH.B., PH.D., M.R.C.P.E., M.C.PATH., Pathologist.
Sturkie, Paul David, Environmental Physiologist.
Subak-Sharpe, John Herbert, PH.D., Virologist.
Sutherland, Hugh Brown, M.SC., M.I.C.E., A.M.I.STRUCT.E., F.G.S., Civil Engineer.
Sutherland, John Derg, C.B.E., M.B., CH.B., PH.D., M.R.C.P.E., Physician.
Sutton, Harry Callender, M.SC., PH.D., Radiochemist.
Sutton, Richard Lightburn, Jr., M.A., M.D., L.R.C.S.E., L.R.C.P.E., L.R.C.S.G., Dermatologist.
Swain, Richard Henry Austin, M.A., M.D., F.R.C.P.E., F.R.C.PATH., Virologist.
Swann, Sir Michael (Meredith), M.A., PH.D., F.R.S., Zoologist.
Sweet, Peter Alan, M.A., PH.D., Astronomer.
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MacLane, Saunders, Mathematician.
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Nesmeyanov, Alexander Nikolaevich, Chemist.
Nolan, Thomas B., Geologist.
Oort, Jan Hendrik, Astronomer.
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Pleijel, Ake, Mathematician.
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Sanger, Frederick, C.B.E., Biologist.
Schenck, Gunther O., Organic Chemist.
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Semenov, N. N., Physicist.
Siegbahn, Karl Manne Georg, Physicist.
Sobolev, Sergei Lvovich, Mathematician.
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Von Weizsacker, Carl Friedrich, Philosopher.
Woodward, Robert Burns, PH.D., Chemist.
Wright, Sewall, Geneticist.
Wu, (Mrs.) Chien-Shiung, Physicist.
Yukawa, Hideki, Physicist.

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Frampton, Meredith (1942).

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Aldridge, John (1963).
•Ardizzone, Edward, C.B.E. (1970).

Bawden, Edward, C.B.E. (1956).
Blackadder, Miss Elizabeth (1976).
Blamey, Norman (1975).
Blow, Miss Sandra (1978).
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Bratby, John R. (1971)
Brown, Ralph (1972).
Buhler, Robert (1956).
•Burn, Rodney J. (1962).
Butler, James (1972).

Cadbury-Brown, H. T., O.B.E. (1975).
Casson, Sir Hugh, K.C.V.O. (1970).
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Clatworthy, Robert (1973).
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Cooke, Miss Jean (1972).
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De Grey, Roger (1969).
Dickson, Miss Jennifer (1976).
Dring, William (1955).
Dunstan, Bernard (1968).

Eurich, Richard (1953).

Fell, Miss Sheila (1974).
*Fitton, James (1954).
Freeth, H. Andrew (1965).
Frink, Miss Elisabeth, c.b.e. (1977).
*Fry, E. Maxwell, c.b.e. (1972).

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*Goldfinger, Ernö (1976).
Gore, Frederick (1972).
Green, Anthony (1977).
Greenham, Peter G., c.b.e. (1960).
*Gwynne-Jones, Allan, d.s.o. (1965).

Hayes, Colin (1970).
Hepple, Norman (1961).
*Hermes, Miss Gertrude (1971).
Hillier, Tristram (1967).

Kneale, Bryan (1974).

Machin, Arnold, o.b.e. (1956).
McFall, David (1963).
MacTaggart, Sir William (1973).
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*Pitchforth, R. Vivian (1953).
Powell, Sir Philip, o.b.e. (1977).

*Roberts ,William (1966).
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*Skeaping, John R. (1959).
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Spear, Ruskin (1954).
*Spencer, Gilbert (1959).

*Thomson, Alfred Reginald (1945).
*Tunnicliffe, Charles F., o.b.e. (1954).

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Weight, Carel, c.b.e. (1965).
Williams, Kyffin (1974).
*Wolfe, Edward (1972).

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Miller, James (1964).
Johnston, Ninian (1966).
Sutherland, Scott (1970).

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Armour, Mrs. Mary (1958).
Armour, William (1966).
Blackadder, Elizabeth (1972).
Butler, Vincent (1977).
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Coia, J. A. (1962).
Collins, Peter (1974).
Crawford, H. A. (1956).
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Houston, John (1972).
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Littlejohn, William (1973).
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Morrocco, Alberto (1963).
Patrick, J. McIntosh (1957).
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ROYAL INSTITUTION OF GREAT BRITAIN

21 ALBEMARLE STREET, W1X 4BS
Telephone: 01-409-2992.

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Founded for the promotion of Science and the extension of useful knowledge; lectures for Members and their guests and for schools; Christmas lectures for children and young people; discussion groups; Davy Faraday Research Laboratory; research on photochemistry.

Library: *see* Libraries.

Number of members: 2,500.

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Frank Greenaway, M.A., M.Sc., Ph.D., F.R.I.C., F.M.A., F.S.A., Reader in History of Science.

Agriculture and Veterinary Science

Agricultural Economics Society: University of Aberdeen, Dept. of Agriculture, School of Agriculture Bldg., Aberdeen, AB9 1UD; f. 1926 to promote the study and teaching of history, statistics, economics and sociology, in relation to the agricultural industry and rural communities; approx. 800 mems.; Hon. Sec. J. S. Marsh; Hon. Editor R. F. Lord; publ. *Journal of Agricultural Economics.*

British Agricultural History Society: c/o Museum of English Rural Life, The University, Whiteknights, Reading, Berks.; f. 1952; 700 mems.; Pres. Edith H. Whetham; Sec. Dr. J. Chartres; publ. *Agricultural History Review* (2 a year).

British Society of Animal Production: c/o Meat and Livestock Commission, P.O.B. 44, Queensway House, Bletchley, Milton Keynes, MK2 2EF; f. 1944; 1,200 mems.; United Kingdom member organization of the European Association for Animal Production; Pres. Dr. J. M. M. Cunningham; Sec. J. R. Southgate; publ. *Journal of Animal Production* (6 a year).

British Society of Soil Science: c/o University of Nottingham School of Agriculture, Sutton Bonnington, Loughborough, LE12 5RD; f. 1947 to advance the study of the soil itself, and its applications in agriculture, forestry and other fields; 750 mems.; Pres. Dr. G. W. Cooke, F.R.S.; Hon. Sec. Dr. D. V. Crawford; publ. *Journal of Soil Science* (quarterly).

British Veterinary Association (formerly National Veterinary Medical Association of Great Britain and Ireland): 7 Mansfield Street, London, W1M 0AT; f. 1881 to advance the veterinary art by means of publications and conferences, and to forward and protect the interests of mems. of the veterinary profession; 7,000 mems.; Sec. Dr. T. Gibson; publs. *The Veterinary Record* (weekly), *Research in Veterinary Science* (bi-monthly).

Commonwealth Forestry Association: 11 Keble Rd., Oxford, OX1 3QG; f. 1921; 1,270 mems.; Chair. John Wyatt-Smith, M.A., B.Sc.; Editor-Sec. C. J. W. Pitt, B.Sc., M.A., M.I.For.; publs. *The Commonwealth Forestry Review* (quarterly), *The Commonwealth Forestry Handbook.*

Institute of Foresters of Great Britain: 7 Rutland Sq., Edinburgh, EH1 2AX; f. 1925 as Society, became Institute 1973; to maintain and improve standards and professional status of foresters, and to advance, spread and promote the application of all aspects of forestry; 950 mems.; Pres. Prof. C. J. Taylor, C.B.E., Sec. M. W. Dick.

Institution of Agricultural Engineers: West End Rd., Silsoe, Bedford, MK45 4DU; f. 1938; professional and examining body aiming to advance all those branches of engineering which relate to agriculture; 2,500 mems.; Sec. R. J. Fryett, F.Inst.Pet., A.I.Agr.E.; publs. *The Agricultural Engineer* (quarterly).

Royal Agricultural Society of England: National Agricultural Centre, Kenilworth, Warwickshire; f. 1838; 16,000 mems.; established National Agricultural Centre at Kenilworth to promote advancements in British Agriculture on view at the Royal Show which is held annually; regular courses, conferences etc.; research library; Chief Exec. J. D. M. Hearth, M.A.

Royal College of Veterinary Surgeons: 32 Belgrave Square, London, SW1X 8QP; f. 1844; the governing body of the veterinary profession in the United Kingdom, which maintains the Statutory Registers and the discipline of the profession and has supervisory functions in relation to veterinary education in the universities; possesses the foremost veterinary library in the U.K., open to veterinary surgeons and *bona fide* scientific workers; Pres. N. Snodgrass, B.Sc., M.R.C.V.S.; Registrar A. R. W. Porter, M.A.

Royal Forestry Society of England, Wales and Northern Ireland: 102 High Street, Tring, Herts., HP23 4AH; f. 1882 as the English Arboricultural Society to advance the knowledge and practice of forestry and arboriculture, and to disseminate knowledge of the sciences on which they are based; 4,000 mems.; library of 1,500 vols.; Pres. W. N. Seymour, F.R.I.C.S.; Dir. E. H. M. Harris, B.Sc.; publ. *Quarterly Journal of Forestry*†.

Royal Highland and Agricultural Society of Scotland: Ingliston, Newbridge, Midlothian; f. 1784, inc. by Royal Charter 1787, for the promotion of the science and practice of agriculture in all its branches; 18,000 mems.; library of 6,000 vols.; Pres. Col. Sir Donald H. Cameron of Lochiel, C.V.O., T.D.; Sec. T. W. M. Alder, F.R.Ag.S.; publ. *Show Guide and Review of the Royal Highland and Agricultural Society of Scotland*†.

Royal Horticultural Society: Exhibition Halls, Library, and Offices, Vincent Square, London, SW1P 2PE; Gardens and School, Wisley, Ripley, Surrey; f. 1804; 65,000 mems.; library of 37,000 vols. (Lindley Library); Pres. The Lord ABERCONWAY, V.M.H.; Sec. J. R. COWELL, M.A.; publs. *The Garden* (monthly), *Transactions and Proceedings*, etc.

Royal Scottish Forestry Society: 18 Abercromby Place, Edinburgh, EH3 6LB; f. 1854; about 2,100 mems.; Pres. T. D. COTTER CRAIG; Sec.-Treas. W. B. C. WALKER; publ. *Scottish Forestry* (quarterly).

Royal Welsh Agricultural Society: Llanelwedd, Builth-Wells, Powys; f. 1904; 6,000 mems.; Chief Exec. J. WIGLEY; publs. annual journal, schedules, etc.

Society of Dairy Technology: 172A Ealing Rd., Wembley, Middx., HA0 4QD; f. 1943 for the advancement of dairy technology and for the encouragement of technical education and scientific enquiry in the dairy industry; 3,000 mems.; Pres. I. A. M. MCALPINE; Sec. P. H. F. LEE; publ. *Journal* (quarterly).

ARCHITECTURE AND TOWN PLANNING

Architectural Association (Inc.): 34–36 Bedford Square, London, WC1B 3ES; f. 1847; 4,000 mems.; library of 20,000 vols., 40,000 slides; offers facilities for architectural studies; Pres. SIMON ENTHOVEN; Sec. EDOUARD LE MAISTRE; publs. *A.A. Quarterly* and *A.A. Notes*.

The Civic Trust: 17 Carlton House Terrace, London, SW1Y 5AW; f. 1957 to encourage the protection and improvement of the environment; financed mainly by industry; provides secretariat for Architectural Heritage Fund and Heritage Education Group; Pres. Lord DUNCAN-SANDYS; Dir. M. MIDDLETON, C.B.E.; administered by a board of trustees; publ. *Civic Trust News*† (6 issues a year).

Commons, Open Spaces and Footpaths Preservation Society: Suite 4, 166 Shaftesbury Ave., London, WC2H 8JH; f. 1865; 2,800 mems.; Chair. CAROL JOHNSON, C.B.E.; publ. *Journal*.

Council for Places of Worship (formerly Council for the Care of Churches): 83 London Wall, EC2M 5NA; f. 1917 to maintain the highest standards in the preservation, restoration and alteration of Anglican churches and their contents by making available sound artistic and technical advice; there is a special committee on cathedrals; library of 12,000 vols.; Chair. The Dean of Peterborough; Sec. PETER BURMAN, M.A., F.S.A.; publs. *Newsletter*† (annual), *Churchyards Handbook*, series on various aspects of caring for churches, monuments, wallpaintings, etc.

Council for the Protection of Rural England: 4 Hobart Place, London, SW1W 0HY; f. 1926; to protect the beauty of the English countryside from disfigurement; to act as an advisory and information centre; 30,000 mems.; Pres. The Rt. Hon. Lord MOLSON; Dir. CHRISTOPHER HALL; publs. *Bulletin* (quarterly), *Annual Report*, leaflets, reports.

Faculty of Architects and Surveyors: 15 St. Mary St., Chippenham, Wilts.; f. 1926, Institute of Registered Architects (f. 1933) incorporated 1974; professional association with branches throughout the U.K. and overseas; members' library; Sec. A. D. G. WEBB; publ. *Portico* (quarterly).

Incorporated Association of Architects and Surveyors: 24 Half Moon St., London, W1Y 8BT; f. 1925; 5,100 mems.; Pres. H. PARKIN, F.I.A.S., F.I.ARB., F.R.S.A.; Sec. M. G. TATCH, A.C.I.S.; publs. *The Architect and Surveyor* (every 2 months), *The Professional Land Surveyor*, *Surveying and the I.A.A.S.*, *The Municipal Building Surveyor and his Office*, *The Professional Quantity Surveyor*, *Fire Surveyor* (every 2 months).

London Society: The City University, St. John St., London, EC1V 4PB; f. 1912 to stimulate a wider concern for the beauty of the capital city, the preservation of its charms and the careful consideration of its development; collection of books and manuscripts including journals since 1912, now housed by The City University Library; approx. 400 mems.; Pres. The Earl of ROSSE, K.B.E.; Chair. Exec. Cttee. W. H. WILLIAMS, O.B.E.; publ. *The London Society Journal* (annually).

National Housing and Town Planning Council Inc.: Norvin House, Commercial St., London, E.1.; est. 1900 as the National Housing Reform Council to secure the abolition of unhealthy and socially undesirable houses; to promote the principle of sound town and country planning; and to disseminate information as to the improvement of the housing conditions of the people and the best standards of planning; Sec. HOWARD SMALL; publs. *The Housing and Planning Review* (quarterly).

National Trust for Places of Historic Interest or Natural Beauty: 42 Queen Anne's Gate, London, SW1H 9AS; f. 1895 for the purpose of promoting the permanent preservation of, and public access to, land of natural beauty and buildings of historic interest; list of properties available at above address; 640,000 mems.; Chair. Lord GIBSON; Dir.-Gen. J. D. BOLES; publs. *List of Properties*, *Annual Report*, *Newsletters*.

National Trust for Scotland: 5 Charlotte Square, Edinburgh EH2 4DU; promotes the preservation of places of historical or architectural interest or natural beauty in Scotland; Dir. J. C. STORMONTH DARLING, C.B.E., M.C., T.D., W.S.

Oxford Preservation Trust: 10 Turn Again Lane, St. Ebbes, Oxford, OX1 1QL; f. 1927 to combine together Oxford City, University, and County, to work for the beauty of Oxford and its surroundings, particularly planning problems which will affect future development; approx. 1,000 mems.; Chair. Viscount HARCOURT, K.C.M.G., O.B.E.; Sec. R. S. W. MALCOLM, M.A.; publ. *Annual Report*.

Royal Incorporation of Architects in Scotland: 15 Rutland Square, Edinburgh; f. 1916 as a professional organization; 3,000 mems.; Pres. A. F. S. WRIGHT, M.B.E., R.I.B.A.; Sec. P. G. D. CLARK, M.A.

Royal Institute of British Architects: 66 Portland Place, London, W1N 4AD; f. 1834; 27,250 corporate mems.; Pres. GORDON GRAHAM; Chief Exec. W. D. EDMONDS, M.A.; publs. *Journal* (monthly), *Journal of Architectural Research*, *RIBA Directory of Members* (annual), *RIBA Directory of Practices* (annual), *RIBA International Directory of Practices* (annual); library: *see* Libraries.

Royal Institution of Chartered Surveyors, The: 12 Great George St., Parliament Square, London, S.W.1; f. 1868 as the Institution of Surveyors, received Royal Charter 1881; proclaimed as a Royal Institution 1946; unified with the Chartered Land Agents' Society and the Chartered Auctioneers' & Estate Agents' Inst. 1970; 50,000 mems.; library of 30,000 vols.; Pres. P. W. GRAFTON, C.B.E., F.R.I.C.S.; Sec. ROBERT STEEL, B.SC., F.R.I.C.S.; publ. *The Chartered Surveyor*† (monthly), *Urban, Building and Quantity Surveying, Rural, Land Hydrographic and Minerals* (all quarterly), *Library Information Service Weekly Briefing*, *Abstracts and Reviews* (monthly).

Royal Town Planning Institute: 26 Portland Place, London, W1N 4BE; f. 1914 to advance the theory and practice of town planning and to promote the interests of those engaged in town planning; 11,500 mems.; library of 12,000 vols.; Pres. Prof. GORDON CHERRY, B.A.; Sec.-Gen. D. R. FRYER; publs. *The Planner*† (6 a year), *R.T.P.I. News* (12 a year).

Society for the Protection of Ancient Buildings: 55 Great Ormond St., London, WC1N 3JA; f. 1877 by William Morris. Exists to prevent the unnecessary destruction of old buildings and to advise on their proper repair and treatment; approx. 5,000 mems.; Chair. The Duke of GRAFTON; Sec. DAVID PEARCE; publ. *Annual Report, technical pamphlets.*

Town and Country Planning Association: 17 Carlton House Terrace, London, SW1Y 5AS; f. 1899 to campaign for garden cities. Now concerns itself with all aspects of national, regional, town and country planning with emphasis on the decentralization of over-crowded areas and the creation of new towns; holds conferences and study tours; operates environmental education service for schools, planning aid service, Council for Urban Studies Centres; 2,000 mems.; Chair. of Exec. MAURICE ASH; Dir. DAVID HALL; publs. *Town and Country Planning* (monthly), *Planning Bulletin* (weekly), *Bulletin of Environmental Education* (monthly), *Planning Bulletin Europe* (every 2 months).

THE ARTS

GENERAL

Arts Council of Great Britain: 105 Piccadilly, London, W1V 0AU; f. 1940 as the Council for the Encouragement of Music and the Arts (C.E.M.A.) and transformed into the Arts Council in 1946 when it was incorporated by Royal Charter; its objects under a new Charter granted in 1967 are to develop and improve the knowledge, understanding and practice of the arts, to increase the accessibility of the arts to the public throughout Great Britain, and to advise and co-operate with Government Depts., local authorities and other bodies concerned with these objects; 20 mems.; Chair. Rt. Hon. KENNETH ROBINSON; Sec.-Gen. ROY SHAW; publs. *Annual Report*, etc.

Scottish Arts Council: 19 Charlotte Square, Edinburgh, EH2 4DF; Chair. Lord BALFOUR of BURLEIGH; Dir. ALEXANDER DUNBAR.

Welsh Arts Council: Holst House, Museum Place, Cardiff, CF1 3NX; Chair. The Marchioness of ANGLESEY; Dir. A. M. THOMAS.

Design Council: The Design Centre, 28 Haymarket, London, SW1Y 4SU; f. 1944 to promote the improvement of design in the products of British industry; permanent exhibition of British goods at The Design Centre; slide loan service of over 10,000 slides: Chair. of Council Viscount CALDECOTE; Dir. KEITH GRANT; Scottish Cttee. Chair. WILLIAM G. COWAN, M.B.E., M.A., F.S.I.A.D.; publs. *Design* (monthly), *Engineering* (monthly).

Faculty of Royal Designers for Industry: Royal Society of Arts, John Adam St., London, WC2N 6EZ; f. 1936 to further the development of design and in particular its application to industrial purposes; number of holders of R.D.I. limited to 70 (69 at present); Pres. Lord NATHAN; Master NEVILLE WARD, R.D.I., B.ARCH., A.R.I.B.A., F.S.I.A.D.; Sec. CHRISTOPHER LUCAS.

Institute of Contemporary Arts: Nash House, The Mall, London, SW1Y 5AH; f. 1948; contemporary cultural centre; organizes exhibitions, lecture series, films, performances, etc.; *c.* 4,000 mems.; Chair. COB STENHAM; Gen. Man. LUKE RANDOLPH; publ. *Monthly Bulletin of Events.*

National Art-Collections Fund: 26 Bloomsbury Way, London, WC1A 2SP; f. 1903 and incorporated under Royal Charter to secure works of art for the galleries and museums of the U.K. and the British Commonwealth; 10,000 mems.; Chair. BRINSLEY FORD; Sec. Mrs. SHEILA FOLKARD; publ. *Annual Report*†.

National Society for Art Education: Third Floor, Champness Hall, Drake St., Rochdale, Lancs., OL16 1PB; the recognized professional body for principals, lecturers and teachers employed in colleges and schools of art and other specialist teachers of art and crafts; f. 1888; Gen. Sec. G. F. WILLIAMS, A.T.D., D.A.E.

Royal Fine Art Commission: 2 Carlton Gardens, London, SW1Y 5AA; appointed by Royal Warrant, 1924, to inquire into questions of public amenity or artistic importance referred to them from time to time by any of the Departments of State and to report thereon to such Department, and to give advice on similar questions when so requested by public or quasi-public bodies. Further empowered by Royal Warrant, 1933, to call the attention of any Department of State, or appropriate public or quasi-public body, to projects or developments which in the opinion of the Commission may affect amenities of a national or public character, and, in 1946, to call before them such persons as may be likely to afford information and to visit and inspect such places as they may deem expedient; Chair. of Commissioners Lord JAMES OF RUSHOLME; Sec. Prof. F. FIELDEN.

Royal Fine Art Commission for Scotland: 22 Melville St., Edinburgh, EH3 7NS; f. 1927; advises Government Depts. and local planning authorities on all questions affecting public amenity, especially the conservation and development of the built environment; Sec. CHARLES PROSSER.

Royal Philatelic Society, London: 41 Devonshire Place, London, W1N 1PE; f. 1869; 1,300 mems.; Pres. GEORGE SOUTH, M.B.E.; Sec. J. O. GRIFFITHS; publ. *The London Philatelist* (2 a month).

Royal Society of Arts: 6–8 John Adam St., London, WC2N 6EZ; f. 1754 for the promotion of arts, manufactures and commerce; 10,000 mems.; library of 6,000 vols., 11,000 MSS.; Pres. H.R.H. Prince PHILIP, Duke of EDINBURGH; Chair. Sir PETER MASEFIELD; Sec. CHRISTOPHER LUCAS; publ. *Journal* (monthly).

Saltire Society: Saltire House, 13 Atholl Crescent, Edinburgh, EH3 8HA; branches throughout Scotland, also in London and Cambridge; f. 1936 to conserve and foster the Scottish way of life through education, literature, arts and crafts, and architecture; 1,600 mems.; Pres. Prof. Sir KENNETH ALEXANDER; Organizing Sec. A. C. DAVIS, O. ST. J., M.A.; publ. *Scottish Review*† (quarterly).

Society for Education through Art: f. 1941 by amalgamation of Art Teachers' Guild and New Society of Art Teachers; seeks to establish an education through art which shall develop the imagination and creative power of the whole rising generation; 500 mems.; Pres. HENRY MOORE, C.H., O.M.; Chair. DEREK POPE; Sec. Mrs. S. BEAUMONT, Bath Academy of Art, Corsham, Wilts., SN13 0DB; publ. *Athene* (bi-annually).

Society for Renaissance Studies, The: f. 1967 to further the aims of scholarship in the Renaissance field, including literature, philosophy, art and history; Chair. Mrs. M. MANN PHILLIPS; Sec. Dr. DAVID FREEDBERG, Courtauld Institute, 20 Portman Square, London, W1.

Society of Scribes and Illuminators: 270 Trinity Rd., London, S.W.18; f. 1921; aims to re-establish and perpetuate the tradition of craftsmanship in the production of manuscript books and documents, and to encourage calligraphy; meetings and exhibitions; library at Hampstead Garden Suburb Institute, London, N.W.11; 75 craft mems., *c.* 270 lay mems.; Hon. Sec. JOHN M. CACKETT.

William Morris Society: Kelmscott House, 26 Upper Mall, London, W.6; f. 1918 (as Kelmscott Fellowship) to stimulate wider appreciation and deepen understanding of the life, work and influence of William Morris and his friends; 1,000 mems.; Hon. Sec. R. C. H. BRIGGS; publ. *The Journal.*

Drama

British Theatre Association: (formerly British Drama League) 9 Fitzroy Square, London, W1P 6AE; f. 1919 by Geoffrey Whitworth for the encouragement of the Art of the Theatre, and to promote a right relation between drama and the life of the community; 4,000 mems., including approximately 3,000 affiliated organizations; library: *see* Libraries; Pres. The Earl of Bessborough; Chair. Clifford Williams; Dir. Walter Lucas; publ. *Drama* (quarterly).

Society for Theatre Research, The: 14 Woronzow Rd., London, NW8 6QE; f. 1948; acts as a clearing house for information concerning the history and technique of the British theatre and encourages research in these subjects; 850 mems. and 25 associate mems.; Pres. Prof. Glynne Wickham; Chair. Robert Eddison; Hon. Secs. Miss Kathleen Barker, Jack Reading; publs. *Theatre Notebook*† (three a year), an annual publication and occasional pamphlets.

Fine Arts

Artists' League of Great Britain: R.W.S. Galleries, 26 Conduit St., London, W1R 9TA; f. 1909 to protect, advise and help artists and craftsmen resident in the British Commonwealth who enrol as members; Sec. Malcolm Fry.

Contemporary Art Society: Tate Gallery, Millbank, London, S.W.1; f. 1910 to acquire works by living artists for loan or gift to public galleries; 1,300 mems.; Dir. Pauline Vogelpoel, M.B.E.

The Federation of British Artists: 17 Carlton House Terrace, London, S.W.1; Gen. Sec. Maurice Bradshaw. The Federation holds annual exhibitions, open to all artists, for the following Member Societies:

Art Exhibitions Bureau.

National Society of Printers, Sculptors and Printmakers: f. 1930 to hold an annual exhibition to represent all aspects of art under one roof without prejudice or favour to anyone; 70 mems.; Pres. Krome Barratt, R.B.A., R.O.I.; Sec. Carl de Winter; publ. *Catalogue of Exhibitions.*

New English Art Club: f. 1886; exhibition October-November, open to all artists; 54 mems., 2 hon. mems.; Hon. Sec. William Bowyer; Sec. Carl de Winter; publ. *Catalogue of Annual Exhibition.*

Pastel Society: 60 mems.; Pres. Aubrey Sykes, P.R.I.; Sec. Gordon Alexander.

Royal Institute of Painters in Water Colours: f. 1831; annual exhibition open to all artists; 71 mems., including 3 hon. retd. mems.; also 1 hon. sculptor mem.; Pres. Aubrey Sykes, P.P.S.; Sec.-Gen. Maurice Bradshaw; publ. *Catalogue of Exhibitions.*

Royal Institute of Oil Painters: f. 1883; exhibitions October-November, open to all artists; 74 mems. and 4 hon. retd. mems.; membership limited to 100, exclusive of hon. mems.; Pres. Alan Gourley; Sec. Carl de Winter; publ. *Catalogue of Exhibitions.*

Royal Drawing Society: f. 1888, inc. 1902; holds examinations in painting and handwriting, and an annual exhibition (The Children's Royal Academy) to encourage the development of children's creative and imaginative faculties; 175 mems.; Pres. John Mills, F.S.A., F.I.I.C., F.R.S.A.; Sec. L. Mills.

Royal Society of British Artists: 109 mems.; 4 hon. mems.; Pres. Peter Greenham, R.A.; Keeper Carl de Winter.

Royal Society of Marine Artists: 49 mems.; Pres. Keith Shackleton; Sec. Carl de Winter.

Royal Society of Miniature Painters, Sculptors and Gravers: 55 mems.; 8 hon. and 28 assoc. mems.; Pres. Raymond Lister; Sec. Carl de Winter.

Royal Society of Portrait Painters: f. 1891; 46 mems.; 2 hon. mems.; mems. limited to 50; annual exhibition; Pres. Edward Halliday, P.R.B.A.; Hon. Sec George J. D. Bruce; Sec. Maurice Bradshaw; publ. *Catalogue of Annual Exhibitions.*

Senefelder Group of Artist Lithographers.

Society of Aviation Artists.

Society of Graphic Artists: 83 mems.; 5 hon. mems.; Pres. F. J. Winter; Sec. Gordon Alexander.

Society of Mural Painters.

Society of Portrait Sculptors: f. 1953 to hold an annual exhibition; Pres. Sheila Mitchell; Sec.-Gen. M. Bradshaw.

Society of Wildlife Artists: f. 1963; 66 mems.; Pres. Sir Peter Scott C.B.E., D.S.C.; Sec. Maurice Bradshaw.

United Society of Artists: 84 mems.; Pres. Gordon Gunn; Sec. Carl de Winter.

Oriental Ceramic Society: 31B Torrington Square, London W.C.1; f. 1921 to increase knowledge and appreciation of Eastern Ceramic and other arts; Pres. Miss Mary Tregear; Sec. Vice-Adm. Sir John Gray, K.B.E., C.B.; Hon. Sec. Miss Margaret Medley.

Royal Cambrian Academy of Art: Plas Mawr, Conwy, N. Wales; f. 1881 for the promotion of the arts of painting, engraving, sculpture, architecture, and other forms of art in Wales; 100 mems.; Pres. J. Shore, A.T.D.; Hon. Sec. John R. Webster; Curator Leonard H. S. Mercer.

Royal Society of British Sculptors: 108 Old Brompton Rd., London, SW7 3RA; f. 1904 for the promotion and advancement of the Art of Sculpture; 200 mems.; Pres. Michael Rizzello, O.B.E.; Vice-Pres. Christopher Melling; Sec. Ms. F. McGregor Eadie.

Royal Society of Painters in Water Colours (*Old Water Colour Society*): 26 Conduit St., London, W1R 9TA; f. 1804; exhibitions confined to the work of its members are held twice yearly; 50 mems.; 30 assocs.; Pres. Ernest Greenwood, A.R.C.A.; Sec. Malcolm Fry.

Royal West of England Academy: Queen's Rd., Clifton, Bristol, BS8 1PX; f. 1844 to encourage and advance the fine arts in the region covering Bristol and the West of England; to promote the appreciation of the fine arts in the region by exhibitions and occasional lectures and meetings; 100 Academicians and 75 Associate Mems.; small library, mainly exhibition catalogues; Pres. and Chair. of Council Donald Milner, O.B.E., R.W.A., A.R.C.A.; Organizing Sec. Miss Jean McKinney; publs. catalogues of exhibitions.

Society of Designer Craftsmen: 6 Queen Square, London, W.C.1; f. 1888 by William Morris and others to establish a standard of integrity in design and workmanship; to educate the public through exhibitions. Now a broader based body concerned also with education, professional practice, promotion and dialogue; 1,000 mems.; Pres. Lord Reilly; Chair. Jeanne Werge-Hartley, F.S.D.C.; Hon. Sec. Susan Killick.

Society of Industrial Artists and Designers: 12 Carlton House Terrace, London, S.W.1; f. 1930, incorporated by Royal Charter 1976; a professional organization of those engaged in design or illustration for publishing, merchandising or publicity, and in the design of goods for production in quantity; 5,000 mems.; Pres. Richard Negus, F.S.T.D., F.S.I.A.D.; Chief Exec. Geoffrey Adams; publs. *The Designer*† (monthly), *Year Book.*

Society of Miniaturists: R.W.S. Galleries, 26 Conduit St., London, W1R 9TA; f. 1895; 50 mems.; Sec. Malcolm Fry.

Music

British Federation of Music Festivals: 106 Gloucester Place, London, W1H 3DB; inc. 1921; 290 Festivals, 800 gen. mems.; Patron H.M. The Queen; Pres. Sir Adrian Boult; Sec. Mrs. Eileen Craine; publ. *Year Book* (March).

Composers' Guild of Great Britain: 10 Stratford Place, London, W1N 9AE; f. 1944 to further the artistic and professional interests of its members; Pres. Sir Lennox Berkeley, C.B.E.; Vice-Pres. Sir William Walton, O.M., Sir Michael Tippett, C.B.E., William Alwyn, C.B.E., Malcolm Arnold, C.B.E., Edmund Rubbra, C.B.E.; Sec. Miss E. Yeoman; publ. *Composer*.

The Dolmetsch Foundation (an international society for Early Music and Instruments): 14 Chestnut Way, Home Farm Rd., Godalming, Surrey; f. 1928 to encourage research and authentic performance; sponsors annual Haslemere Festival; 900 mems.; Pres. The Hon. Mrs. Maurice Macmillan, D.B.E.; Chair. Maj. L. E. Bitton; Sec. and Editor Mrs. S. M. Godwin; publs. *The Consort*† (annually), *The Bulletin*† (2 a year).

English Folk Dance and Song Society, The: Cecil Sharp House, 2 Regent's Park Rd., London NW1 7AY; f. 1932 (Folk Song Society 1898, English Folk Dance Society 1911); to collect, study and preserve English folk dances and songs and other folk music and to encourage their performance; 11,000 mems.; library of 8,000 vols. and 3,500 recordings; Dir. S. A. Matthews, M.B.E.; publs. *Folk Music Journal*, *English Dance and Song*, *EFDSS News*, *Folk Directory*, books and records.

Incorporated Association of Organists: Regd. Office: 5th Floor, Kennedy Tower, St. Chad's Queensway, Birmingham, B4 6JG; f. 1913 as the National Union of Organists' Associations and inc. 1929; 115 associations, with 8,000 mems. throughout the Commonwealth; aims to improve and advance the knowledge of organ music and teaching methods; administers a Benevolent Fund for organists; Pres. Nicholas Danby; Hon. Sec. Glyn Jenkins; publ. *The Organists' Review* (quarterly).

Incorporated Guild of Church Musicians: f. 1888; conducts examinations for the Archbishop of Canterbury's Certificate in Church Music; Pres. Sir Bernard Lovell, O.B.E., LL.D., D.SC., F.R.S.; Warden The Rev. Preb. N. E. Wallbank, M.A., PH.D., MUS.D.; Registrar A. T. Pinder, F.I.G.C.M., F.INST.L.EX., 16 The Cloisters, Windsor Castle, Berks.

Incorporated Society of Musicians: f. 1882; representative body of the profession of music in Great Britain; 7,000 mems.; Pres. Sir David Willcocks; Gen. Sec. Susan M. Alcock, 10 Stratford Place, London, W1N 9AE; publs. *Handbook* (annually), *Music Journal* (3 a year) and occasional special papers.

Plainsong and Medieval Music Society: f. 1888 for the promotion of the study and appreciation of plainsong and medieval music, especially by publication and performance; Pres. Dr. Herbert Howells, C.B.E.; Sec. S. G. A. Kiddell, The Church Lodge, Wimborne St. Giles, Wimborne, Dorset.

Royal Musical Association, The: c/o British Library, London, WC1B 3DG; f. 1874, inc. 1904, for the investigation and discussion of subjects connected with the art and science of music; 785 mems.; Pres. A. Hyatt King; Sec. H. Cobbe; publs. *Proceedings*† (annual), *Research Chronicle*† (annually).

Society for the Promotion of New Music: 1 Montague St., London, WC1B 5BP; f. 1943; 250 mems.; public and workshop performances of new chamber music; public orchestral rehearsals; composers' week-end seminars; Pres. Elizabeth Maconchy, C.B.E.; Vice-Pres. William Alwyn, Sir Lennox Berkeley, C.B.E., Sir Adrian Boult, C.H., Sir William Glock, C.B.E., Sir Charles Groves, C.B.E., Dr. Edmund Rubbra, C.B.E., Sir Michael Tippett, C.B.E., Sir William Walton, O.M.; founded by Francis Chagrin; Administrator John Woolf, M.B.E.

Cinematography and Photography

British Film Institute: 127 Charing Cross Rd., London, WC2H 0EA; f. 1933; its aim is to encourage the development of the art of the film and television, to promote their use as a record of contemporary life and to foster their study and public appreciation; among its activities are the upkeep of the National Film Archive, which also preserves telerecordings, the direction of the National Film Theatre, and the running of an Information Dept., Lecture Service for schools and universities, Film and Book Library, Central Booking Agency; 14,900 mems., 27,200 associates; library of 22,000 vols.; in receipt of annual government grant; Dir. E. Perry; publs. *Sight and Sound*† (quarterly, illustrated), *Monthly Film Bulletin*†.

Institute of Incorporated Photographers: Amwell End, Ware, Herts., SG12 9HN; f. 1901; professional qualifying body; awards the designatory letters F.I.I.P. and A.I.I.P.; represents professional photographers and photographic technicians; to improve the quality of photography; to establish recognized examinations and standards of conduct; to safeguard the interests of the public and the profession; mems. approx. 4,000; Dir. and Sec. E. I. N. Waughray; publs. *The Photographer*† (monthly), *The Register of Members and guide for Buyers of Photography*† (every 2 years).

Royal Photographic Society of Great Britain: 14 South Audley St., London, W.1; f. 1853 for the advancement of the science and art of photography; 6,500 mems.; library of 8,000 vols.; Perm. Collection of 17,000 historical photographs; Pres. Sir George Pollock, Bt., M.A., F.I.I.P., F.R.P.S.; Sec. K. R. Warr; publs. *The Photographic Journal*, *The Journal of Photographic Science* (6 a year), *Photographic Abstracts* (6 a year).

Bibliography, Library Science and Museology

Arlis (*Art Libraries Society*): Kingston Polytechnic Art Library, Knights Park, Kingston, Surrey, KT1 2QJ; f. 1969; aims to promote art librarianship particularly by acting as a forum for the interchange of information and materials; Chair. Philip Pacey, B.A., A.L.A.; Sec. Gillian Varley, B.A.; publs. *Art Libraries Journal* (quarterly), *News-sheet* (6 a year).

Aslib: 3 Belgrave Square, London, SW1X 8PL; f. 1924; an association of industrial and commercial firms, government departments, research associations and institutions, universities and learned societies in the U.K. and 74 other countries; undertakes research and development in the information field; provides an information service in all subject areas for members including on-line bibliographic searching; maintains an index of translations in science and technology and register of specialist translators; the services of consultants in library management and both computerized and conventional information systems; short courses on all aspects of special librarianship and information work; organizes national and international conferences and meetings; membership of 2,200 organizations; grant-aid by the British Library; Pres. Sir Alastair Pilkington, F.R.S.; Dir. Basil Saunders, M.A.; publs. *Index to Theses accepted for Higher Degrees in the Universities of Great Britain and Ireland* (2 a year), *The Journal of Documentation* (quarterly), *Aslib Proceedings* (monthly), *Aslib Information* (monthly), *Aslib Book List* (monthly), *Program* (quarterly), *Forthcoming International Scientific and Technical Conferences* (annually), handbooks, reports, directories, bibliographies; library: *see* Libraries.

Bibliographical Society: British Academy, Burlington House, London, W1V 0NS; f. 1892; 1,000 mems.; Pres. A. R. A. Hobson; Joint Hon. Secs. R. J. Roberts, Mrs. M. M. Foot; publs. *The Library* (quarterly), various books on bibliographical subjects.

Cambridge Bibliographical Society: University Library, Cambridge; f. 1949; 500 mems.; Hon. Sec. F. R. Collieson; publs. *Transactions* (annual), *Monographs* (irregular).

Edinburgh Bibliographical Society: c/o National Library of Scotland, George IV Bridge, Edinburgh, EH1 1EW; f. 1890 (the oldest bibliographical society in Great Britain) for discussion and elucidation of questions connected with books, printed or manuscript, especially Scottish, the promotion and encouragement of bibliographical studies, the exhibition of rare or remarkable books, and the printing of bibliographical works; *c.* 210 mems.; Hon. Sec. I. C. Cunningham, M.A., B.PHIL; publ. *Transactions* (irregular).

Friends of the National Libraries: c/o The British Library, Great Russell St., London, WC1B 3DG; f. 1931 to promote the acquisition of printed books and MSS. of historical, literary or archaeological significance for libraries and record offices of national importance; 600 mems.; Chair. Lord Kenyon, C.B.E., D.L., J.P., LL.D.; Hon. Sec. Sir Edward Warner, K.C.M.G., O.B.E.; publ. *Annual Report.*

Library Association: 7 Ridgmount St., London, WC1E 7AE; f. 1877; 24,000 mems.; Pres. Godfrey Thompson, M.A., F.R.S.A., F.L.A.; Sec. William Alison; publs. include *Library Association Record, British Technology Index* (monthly), *British Humanities Index, Journal of Librarianship* (quarterlies), *Library and Information Science Abstracts* (bi-monthly), *Radials Bulletin* (2 a year), *Year Book, Student's Handbook* (annuals), books and pamphlets on librarianship and bibliography; library: *see* Libraries.

Museums Association: 87 Charlotte St., London, W1P 2BX; f. 1889 to promote and improve museums and galleries and the training of museum staff; conducts Diploma examinations; 2,100 mems.; Pres. Francis Cheetham, B.A., F.M.A.; Chair. of Education Cttee. Richard Harrison, F.M.A.; Sec. Miss B. Capstick, O.B.E., M.A.; publs. *Museums Journal* (quarterly), *Museums Bulletin* (monthly), *Museums Yearbook.*

National Book League: 7 Albemarle Street, London, W1X 4BB; a non-profit-making organization; f. 1944; originally founded in 1925 as The National Book Council to extend the use and enjoyment of books, which is still its aim; provides book lists, Readers' Guides and book information services; organizes meetings, mainly at its London headquarters, and exhibitions all over the country; over 6,000 mems.; library of over 10,000 vols. about books; special collections: Perez collection of British Book Plates, Linder collection of Beatrix Potter; Pres. Lord Goodman; Dir. Martyn Goff, O.B.E.; publ. *Booknews* (quarterly).

Scottish Library Association: Dept. of Librarianship, University of Strathclyde, Livingstone Tower, Richmond St., Glasgow, G1 1XH; f. 1908; affiliated to the Library Assn.; 1,925 mems.; Pres. Peter Grant, A.L.A.; Sec. Michael Head, F.L.A.; publs. *SLA News* (every 2 months), *Annual Conference Proceedings, Triennial Review,* etc.

Standing Commission on Museums and Galleries: 2 Carlton Gardens, London, SW1Y 5AA; appointed 1931; objects: (1) to advise generally on questions relevant to the most effective development of the National Institutions as a whole, and on any specific questions which may be referred to them from time to time; (2) to promote co-operation between the National Institutions themselves, and between the National and Provincial Institutions; (3) to stimulate the generosity and direct the efforts of those who aspire to become public benefactors; 14 mems.; Chair. Sir Arthur Drew, K.C.B., J.P.; Sec. A. D. Heskett, M.B.E.

Standing Conference of National and University Libraries (SCONUL): c/o The Library, School of Oriental and and African Studies, Malet St., London, WC1E 7HP; f. 1950 to promote the work of the national and university libraries; mems.: 75 libraries; Chair. N. Higham, M.A., F.L.A.; Sec. A. J. Loveday, M.A., DIP.LIB.

Economics, Law and Politics

Acton Society Trust: 9 Poland St., London, W.1; f. 1948; charitable research organization concerned with political, economic and social problems; Research Advisers Trevor Smith, Krishan Kumar; Sec. Pauline Wingate.

Association of Certified Accountants: 29 Lincoln's Inn Fields, London, WC2A 3EE; f. 1904; inc. by Royal Charter; 20,000 mems.; Pres. E. R. Gibbs, F.C.C.A., F.C.I.S.; Sec. R. A. Dudman, M.A.; publs. *Certified Accountant* (every 2 months), *List of Members, Students' Newsletter* (monthly), various research publications.

British Academy of Forensic Sciences: Department of Forensic Medicine, The London Hospital Medical College, Turner St., London, EI 2AD; f. 1959 to advance forensic science in all its aspects to the benefit of justice and the law; annual meetings; over 500 mems.; Sec.-Gen. Prof. J. M. Cameron, M.D., PH.D., F.R.C.PATH., D.M.J.; publ. *Medicine, Science and the Law* (quarterly).

British Institute of International and Comparative Law: Charles Clore House, 17 Russell Square, London, WC1B 5DR; f. 1958 by the amalgamation of the Grotius Society and the Society of Comparative Legislation and International Law; organizes the Commonwealth Legal Advisory Service and research in comparative law, international law, and law of the European Communities; holds conferences, meetings and lectures in international and comparative law; provides information for members on questions of foreign, international, comparative and European Community law; Chair. Lord Denning; Chair. for public international law section Sir Gerald Fitzmaurice; comparative law, Sir Robert Megarry, Vice-Chancellor, High Court of Justice; private international law, Lord Scarman; Dir. Prof. K. R. Simmonds; publs. *International and Comparative Law Quarterly, British Practice in International Law, Bulletin of Legal Developments* (fortnightly) and other occasional publications on international and comparative law.

Chartered Insurance Institute: The Hall, 20 Aldermanbury, London, EC2V 7HY; inc. by Royal Charter 1912 with the object of providing and maintaining a central organization for the promotion of efficiency and progress among insurance employees; primarily an educational and examining body; approx. 50,000 mems.; library of about 15,000 vols.; Sec.-Gen. D. C. McMurdie, LL.B., F.C.I.I.; Librarian A. Lee, B.A., A.L.A.; publ. *Journal* (3 a year).

Council of Legal Education: 4 Gray's Inn Place, London, W.C.1; constituted in 1852 for the purpose of superintending the education and examination of students preparing for call to the Bar at the Inns of Court School of Law; the Council is a committee of the four Inns entrusted with educational duties; teaching staff of 66, including 16 full-time law tutors; Chair. The Hon. Justice Goff, D.C.L.; Dean C. A. Morrison, Q.C.; publ. *Calendar* (annually).

David Davies Memorial Institute of International Studies: Thorney House, 34 Smith Square, London, SW1P 3HF; f. 1951 to commemorate and continue the work of Lord Davies (1880–1944), on the means of establishing a viable world order; aims: to advance and promote the development of the science of international relations in the political, economic, legal, social, educational and other fields, and to carry out and instigate research; works through *ad hoc* groups, seminars, conferences, bringing together experts in the relevant fields; Pres. The Rt. Hon. Lord Hodson, M.C.; Chair. The Rt. Hon. Lord Caccia, G.C.M.G., G.C.V.O.; Dir. and Editor M. M. Sibthorp, O.B.E.; publ. *International Relations* (2 a year).

Economics Association: 18 Cedar Rd., Sutton, Surrey, SM2 5DF; f. 1946 to promote and extend the study of economics in schools and colleges of further education, to act as a representative body for economics teachers in educational matters and to promote knowledge of and interest in economics among the general public; 2,500 mems.; Pres. Prof. C. Harbury; Chair. T. K. Robinson; Hon. Sec. R. F. R. Phillips, M.A., O.B.E.; publ. *Economics* (quarterly).

Electoral Reform Society of Great Britain and Ireland Ltd.: 6 Chancel St., London, S.E.1; f. 1884 to secure an effective vote for every parliamentary and local government elector by the adoption of the single transferable vote form of proportional representation for all elections of representative bodies, and similarly for elections in all voluntary organizations; 1,000 mems.; comprehensive reference library; Chair. Eric Rowe, M.A., B.LITT.; Dir. Miss Enid Lakeman; publ. *Representation* (quarterly).

European Movement, The (British Council): 1A Whitehall Place, London, S.W.1; f. 1948 to help industrial and commercial companies, banks, trade unions, political parties and professional organizations to keep abreast of developments in the field of European integration and bring their staffs into closer contact with their continental counterparts through various exchanges; Dir. E. Wistrich; publs. *New Europe* (quarterly), *Facts* (monthly), *Women and Europe* (every 2 months), *CEM* (local government quarterly).

Fabian Society: 11 Dartmouth St., London, SW1H 9BN; f. 1884 for the furtherance of socialism and the education of the public on socialist lines; 5,000 mems.; Chair. Phillip Whitehead, M.P.; Gen. Sec. Dianne Hayter; publs. *Fabian News* (monthly), *Fabian Pamphlets* (monthly).

The Faculty of Actuaries in Scotland: 23 St. Andrew Sq., Edinburgh, EH2 1AQ; f. 1856; 520 Fellows, 284 students; Sec. W. W. Mair, M.A.; publs. *Transactions*, *Year Book*.

Faculty of Advocates: Advocates Library, Parliament House, Edinburgh, EH1 1RF; f. *c.* 1532; the sole professional body for Advocates (Barristers) in Scotland; it maintains professional standards, examines Intrants and represents its members; 285 mems.; copyright library in respect of Legal works of *c.* 65,000 Law books associated with National Library of Scotland (*q.v.*); Dean D. M. Ross, Q.C.; Clerk J. M. Pinkerton; Keeper of the Library C. K. Davidson, Q.C.

Federal Trust for Education and Research: 12A Maddox St., London, W1R 9PL; f. 1945 to promote and carry out studies of international relations, in particular issues relating to the European Communities; Dir. Geoffrey Denton; Admin Sec. Barbara Beck.

Grotian Society, The: 48 Bedford Square, London, WC1; f. 1960 to promote study and research in the history of international law and relations; Pres. Prof. Clive Parry; Chair. and Sec.-Gen. George K. Goddard; Dir. of Studies Prof. K. R. Simmonds; publ. *Grotian Society Papers* (biennially).

Institute of Actuaries: Staple Inn Hall, High Holborn, London, WC1V 7QJ; f. 1848, inc. 1884, for the elevation of the attainments and status of all who are engaged in actuarial pursuits, etc.; approx. 5,300 mems.; library of 10,000 vols.; Pres. P. E. Moody, F.I.A.; Hon. Secs. J. H. Webb, M.A., F.I.A., E. B. O. Sherlock, M.A., F.I.A.; Sec. N. J. Page, M.C., F.C.I.S., F.C.C.A., F.S.S.; publs. *Journal* and *Year Book*.

Institute of Bankers: 10 Lombard St., London, EC3V 9AS; f. 1879; provides the educational foundation and qualifications for a banking career, information on banking developments to members and awards Associateship (A.I.B.) and Financial Studies Diploma by examination; 110,000 mems.; library of 30,000 vols.; Pres. M. G. Wilcox, M.B.E., F.I.B.; Sec.-Gen. Geoffrey Dix; Librarian Peter Spiro; publ. *Journal*† (6 a year).

Institute of Bankers in Scotland: 20 Rutland Square, Edinburgh; f. 1875 to improve the qualifications of those engaged in banking, and to raise their status and influence; 9,500 mems.; Sec. B. McKenna, M.SC.; publ. *Scottish Bankers' Magazine* (quarterly).

Institute of Chartered Accountants in England and Wales: Chartered Accountants' Hall, Moorgate Place, London, E.C.2; f. 1880 by Royal Charter for the elevation of the profession of public accountants as a whole and the promotion of their efficiency and usefulness; 65,000 mems.; library of 32,000 vols.; Pres. E. C. Sayers, F.C.A.; Sec. J. P. Hough, F.C.A.; Librarian M. F. Bywater; publs. *Accountancy* (monthly), *Accounting and Business Research* (quarterly), *List of Members* (annually).

Institute of Chartered Accountants of Scotland: 27 Queen St., Edinburgh, EH2 1LA; f. 1854 to deal with professional matters concerning its members; 9,850 mems.; libraries with 15,500 books; Pres. N. Norman Hunter Smart, C.A.; Sec. G. R. G. Stewart, M.A., LL.B., W.S.; publs. *Annual Report*, *Official Directory of Members* (annual), *The Accountant's Magazine* (monthly), various occasional publications.

Institute of Chartered Secretaries and Administrators: 16 Park Crescent, London, W1N 4AH; f. 1891 as a professional organization for secretaries of incorporated bodies; over 44,000 mems.; Patron: H.M. The Queen; Pres. R. M. Clarke, M.C., J.P., F.C.I.S.; Sec. Barry Barker, M.B.E., M.A., F.C.I.S.; Librarian/Information Officer Miss M. Skipp, A.L.A.; publs. *Chartered Secretaries Manual of Company Secretarial Practice Professional Administration* (monthly).

Institute of Cost and Management Accountants: 63 Portland Place, London, W1N 4AB; f. 1919 to promote the adoption of scientific methods in cost and management accountancy; and to provide a professional organization; 17,000 mems.; library of 12,000 vols.; Sec. T. B. Degenhardt, M.A., F.C.I.S.; publ. *Management Accounting*.

Institute of Economic Affairs: 2 Lord North St., Westminster, London, S.W.1; f. 1956; to improve understanding of economics and its applications to business and public policy; Gen. Dir. Ralph Harris; publs. major studies, Research Monographs, IEA Readings, Hobart Papers, Occasional Papers.

Law Society: Law Society's Hall, Chancery Lane, London, WC2A 1PL; f. 1825; solicitors' professional association; 30,000 mems.; Sec.-Gen. John Bowron; publ. *Gazette* (weekly); library: *see* Libraries.

London and Cambridge Economic Service: Department of Applied Economics, University of Cambridge, Sidgwick Ave., Cambridge; f. 1923 by economists of London and Cambridge Universities to provide statistical information and current economic assessments; Sec. M. L. Mackie, M.A.; publs. (temporarily suspended) *Bulletin* (half-yearly), occasional booklets containing long-running statistical series.

Royal Economic Society: The Leverhulme Trust Fund, 15–19 New Fetter Lane, London, EC4A 1NR; f. 1890; 4,400 mems.; Pres Prof. Sir Richard Stone, C.B.E., F.B.A.; Sec.-Gen. Dr. R. C. Tress, C.B.E.; publ. *Economic Journal* (quarterly).

Royal Faculty of Procurators in Glasgow, The: 62 St. George's Place, Glasgow, G2 1BT; inc. long prior to 1668, and by Royal Charter 1796; a legal society; 583 mems.; library of over 30,000 vols.; Dean James Sutherland, C.B.E., LL.B.; Clerk, Treasurer and Fiscal J. G. L. Robinson, B.A., LL.B.; Librarian G. A. Leonard, M.A.

Royal Institute of International Affairs: Chatham House, 10 St. James's Square, London, SW1Y 4LE; f. 1920 to facilitate the scientific study of international questions; mems., all categories, approx. 3,000; research programme: studies of broad economic and political trends in international relations and research into foreign policies of individual states; Hon. Pres. Lord Home of the Hirsel, K.T., P.C., Lord Noel-Baker, P.C., The Rt. Hon. J. Grimond, P.C., M.P.; Chair. Lord Harlech, P.C., K.C.M.G., K.ST.J., D.L.; Dir. David Watt; Dir. of Studies William Wallace; Admin. Dir. Eileen Menzies; affiliated Institutes in many Commonwealth countries; publs. *International Affairs* (quarterly), *The World Today* (monthly), individual studies; library and press archives library: *see* Libraries.

Royal Institute of Public Administration: 1 Birdcage Walk, London, S.W.1; f. 1922 to promote the study and improve the practice of public administration; many public authorities (including governments) and over 5,000 public officials; library of 13,000 vols., 16,000 pamphlets; Pres. Rt. Hon. Lord Redcliffe-Maud, G.C.B., C.B.E.; Dir.-Gen. William Plowden; publs. *Public Administration* (quarterly), books and pamphlets.

Royal Statistical Society: 25 Enford St., London, W.1; f. 1834; *c.* 5,000 mems.; Pres. Sir Claus Moser; Hon. Secs. I. D. Hill, D. J. Bartholomew, Mrs. E. J. Snell; publs. *Journal* (Series A, quarterly), *Journal* (Series B, 3 parts annually), *Applied Statistics* (3 parts annually).

Selden Society: c/o Faculty of Laws, Queen Mary College, Mile End Rd., London, E1 4NS; f. 1887; 1,450 mems.; Pres. The Rt. Hon. Sir Robert Megarry, V.-C., F.B.A.; Hon. Treas. Brian J. Prichard; Literary Dirs. Prof. S. F. C. Milsom, F.B.A., D. E. C. Yale; Sec. Victor Tunkel; publs. over 90 vols. on sources and other aspects of English legal history.

Senate of the Inns of Court and the Bar: 11 South Square, Gray's Inn, London, W.C.1; f. 1974; Pres. The Rt. Hon. Lord Scarman, O.B.E.; Chair. David Hirst, Q.C.; Vice-Chair. Peter Taylor, Q.C.; Sec. Sir Arthur Power, K.C.B., M.B.E.

Stair Society: 2 St. Giles' St., Edinburgh, EH1 1PU; f. 1934 to encourage the study and advance the knowledge of the history of Scots Law; 700 mems.; Pres. Lord Avonside; Chair. of Council John Imrie, LL.D.; Sec. G. R. Thomson, T.D., PH.D.; Sec. for U.S.A. John H. Tucker, Jnr., LL.D.

Education

Advisory Centre for Education (ACE) Ltd.: 18 Victoria Park Square, London, E2 9PB; f. 1960; aims to provide information on education for parents and others, to encourage close home-school relationships, and to arouse discussion on education issues; Pres. Lord Young of Dartington; Chair. Dr. Eric Midwinter; publ. *Where* (monthly).

British Educational Administration Society: c/o Dept. of Educational Management and Administration, Moray House College of Education, Holyrood Rd., Edinburgh, EH8 8AQ; f. 1971; to advance the practice of and research into educational administration; to maintain close contact with national and international organizations and to encourage the foundation of local groups; Hon. Pres. Prof. G. Baron; Chair. Prof. M. G. Hughes; Hon. Sec. Dr. E. A. Ewan; publs. *Educational Administration* (2 a year), *Proceedings of the Annual Conference.*

Central Bureau for Educational Visits and Exchanges: 43 Dorset St., London, W1H 3FN; f. 1948; national information office for all types of educational travel and exchange; Chair. Dame Margaret Miles, D.B.E., B.A.; Dir. James Platt, M.A.; publs. *Young Visitors to Britain* (English, French, German, Italian and Spanish editions), *Sport and Adventure Holidays, Study Holidays, Working Holidays, School Travel and Exchange* (each annually), *Educational Exchange, Higher Education Exchange* (publ. under series title *Educational Exchange World*, each termly), *Sports Exchange World* (termly), *Intercommunity—International Community Education* (quarterly).

City and Guilds of London Institute: 76 Portland Place, London, W1N 4AA; f. 1878 for the advancement of technical education and the holding of related examinations; 200 subjects; publs. Broadsheets, Syllabus Pamphlets, Past Question Papers.

College of Preceptors: Bloomsbury House, 130 High Holborn, London, WC1V 6PS; f. 1846, incorporated by Royal Charter 1849; Pres. D. J. Johnston, B.A., F.C.P.; Dean Prof. D. Dakin, M.A., PH.D., F.R.HIST.S.; Sec. J. Vincent Chapman, F.C.P.; provides courses on School Management Studies for Head Teachers and their Deputies and awards teaching qualifications of Associate, Licentiate (equivalent to university first degree) and Fellow; publs. *Education Today* (termly), *Teachers' Guide* (occasionally), *Your Secondary Modern Schools.*

Committee of Directors of Polytechnics: 309 Regent St., London, W1R 7PE; f. 1970 to provide a forum for the discussion of matters of common concern to polytechnics and to contribute to the evolution of policy for the development of this sector of higher education; mems.: directors of the 30 polytechnics in England and Wales, and 2 observer mems. from Scotland and N. Ireland; Chair. D. P. Bethel; Hon. Sec.-Treas. K. J. Durrands; Sec. P. L. Flowerday; publ. *Polytechnic Courses Handbook* (annual), *Focus on Polytechnics* (termly).

Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom: 29 Tavistock Square, London, WC1H 9EZ; established to keep under review the full range of university interests and to speak on behalf of the universities in general in their relations with other fields of education with industry and government; delegate bodies serviced from the Committee's secretariat are: the Standing Conference on University Entrance, the University Authorities Panel, and the Universities Committee for non-teaching staffs; Chair. Rt. Hon. Lord Boyle of Handsworth, M.A., LL.D.; Sec.-Gen. Sir Roy Marshall, C.B.E., M.A., PH.D., LL.D.; Exec. Sec. B. H. Taylor, B.SC.(ECON.).

Commonwealth Secretariat, Education Division: Marlborough House, Pall Mall, London, SW1Y 5HX; the Division was formerly the Commonwealth Education Liaison Unit which was integrated into the Secretariat following a decision of the Prime Ministers' Meeting in September 1966; formed to promote co-operation in education among all Commonwealth countries, it organizes conferences, workshops, training courses and seminars and assists in exchange of personnel and information; its advisory body, the Commonwealth Education Liaison Committee, comprises representatives from all member countries and meets regularly in

London; Dir. R. E. O. AKPOFURE; publs. *C.E.L.C. Newsletter* (quarterly), *Education in the Commonwealth*† (series), Reports of conferences, seminars, workshops, research and surveys.

Council for the Accreditation of Correspondence Colleges: 27 Marylebone Rd., London, NW1 5JS; f. 1969; independent body grant-aided by the Dept. of Education and Science which nominates the Chairman and 5 members of the Council; only organization in the U.K. officially recognized as responsible for the award of Accreditation to Correspondence Colleges; recognized as a registered charity; 35 colleges accredited; Chair. JOHN F. PHILLIPS, C.B.E., LL.M., F.C.I.S.

Council for Education in World Citizenship: 43 Russell Square, London, WC1B 5DA; f. 1939; an independent, non-political organization to assist schools and colleges in the teaching of international affairs and promote a more global perspective in curricula; Dir. MARGARET QUASS; publ. *Current Affairs Broadsheet* (6 a year).

Council for Educational Technology for the United Kingdom: 3 Devonshire St., London, W1N 2BA; f. 1973 by the Government; financed by government departments; central organization for promoting the application and development of educational technology, providing advice, co-ordination and a focal point for collection and dissemination of information, initiating development programmes and studies of educational innovations; Dir. G. HUBBARD; publs. *British Journal of Educational Technology* (termly), working papers, occasional papers, training materials, etc. (list on request).

Council for National Academic Awards: 344/354 Gray's Inn Rd., London, WC1X 8BP; established by Royal Charter in September 1964 with powers to award degrees, diplomas and other academic awards to persons who have successfully pursued courses of study approved by the Council at educational establishments other than universities or who have successfully carried out research work under the supervision of an educational or research establishment other than a university. In September 1974 the Council merged with the National Council for Diplomas in Art and Design, and in 1976 assumed responsibility for the Diploma in Management Studies. The Council offers the following awards: Certificate, Dip. H.E.; B.A., B.Ed. and B.Sc. as its first degrees; M.A., M.Sc., M.Ed. and Diplomas for successful completion of courses of postgraduate study; M.Phil. or Ph.D. for successful completion of approved programmes of original work; Pres. H.R.H. The Prince of WALES, K.G., G.C.B.; Chair. Sir DENIS ROOKE, C.B.E.; publs. *Directory of First Degree Courses* (annually), *Directory of Postgraduate Courses*, *Annual Report*.

Educational Institute of Scotland, The: 46 Moray Place, Edinburgh, EH3 6BH; f. 1847; to promote sound learning and advance the interests of teachers in Scotland; mems.: 46,000; Pres. DAVID L. FULTON, F.E.I.S.; Gen. Sec. JOHN POLLOCK, B.SC., F.E.I.S.; publ. *Scottish Educational Journal* (16–20 per session).

Educational Interchange Council (Inc.), The: 43 Russell Square, London, WC1B 5DG; f. 1947; promotes and assists educational visits and exchanges throughout the world; Pres. Sir ROBERT BIRLEY, K.C.M.G., F.S.A., M.A., D.C.L.; Chair. FRANK E. BELL, O.B.E., M.A.; Dir. ALAN ROBERTSHAW, M.D., M.A., J.P.

Institute of Craft Education: c/o Gen. Sec., 24 Elm Rd., Kingswood, Bristol, BS15 2ST; f. 1891 to promote education through craft experience, raise standards of craft teaching and safeguard professional interests; the College of Craft Education provides 1–4-year courses for qualified teachers and organizes annual summer schools; *c.* 2,000 mems.; Pres. K. JENNINGS, B.PHIL., F.R.S.A.; Gen. Sec. G. DAY, M.I.O.B., M.C.C.ED.; Master of College Lord BUTLER OF SAFFRON WALDEN; Registrar of College J. S. BOUCHER, D.F.M., M.C.C.ED.; publs. *Practical Education*, *Annual Conference Handbook*, *Buyers Guide*, newsletters, special reports.

Inter-University Council for Higher Education Overseas: 90-91 Tottenham Court Rd., London, W1P 0DT; f. 1946 to encourage co-operation where desired between the universities in the United Kingdom and university institutions in East, West and Central Africa, Lesotho, Botswana and Swaziland, the Sudan, Ethiopia, the West Indies, Guyana, Hong Kong, Malaysia, Singapore, Mauritius, Malta, Papua New Guinea, the South Pacific and such other countries as may be determined to assist generally in the development of higher education in the countries and areas listed above; Chair. Dr. FRANK THISTLETHWAITE; Dir. R. C. GRIFFITHS, C.M.G.

National Institute of Adult Education (England and Wales): De Montfort House, 19B De Montfort St., Leicester, LE1 7GE; f. 1949 by incorporation of the British Institute of Adult Education and the National Foundation for Adult Education to promote understanding and co-operation between bodies and individuals engaged in adult education, to encourage inquiry and experiment and serve as a centre of information; both corporate and individual membership; Dir. A. K. STOCK, M.ED.; publs. *Adult Education* (bi-monthly), *Teaching Adults* (2 a year), *Year Book of Adult Education*, *Calendars of Residential Short Courses*, *Studies in Adult Education* (2 a year), research studies.

Technical Education and Training Organisation for Overseas Countries—TETOC: Grosvenor Gardens House, 35–37 Grosvenor Gardens, London, SW1 0BS; inc. as Co. Ltd. by guarantee 1972; agency of the Ministry of Overseas Development concerned with the British contribution to technical and agricultural education, industrial and agricultural training, technical teacher training, public administration and management development in the developing world; staffed by specialists from commerce, industry and the British technical and agricultural education system and supported by teacher recruitment and industrial placement units; Dir.-Gen. H. H. STEWART, O.B.E.; Sec. J. F. A. COLLACO.

World-wide Education Service of the Parents' National Educational Union (Inc.): Murray House, Vandon St., London, SW1H 0AJ; f. 1888 to maintain a high standard of education by means of a liberal curriculum and the use of Charlotte Mason's principles as set forth in her book; special education programmes for private parental tuition where no suitable school is available; Dir. C. S. SMYTH, O.B.E., publ. *WES Journal* (quarterly).

University Association for Contemporary European Studies: 12A Maddox St., London, W1R 9PL; f. 1968; to bring together academics from different disciplines (law, politics, economics, languages, etc.) with a common interest in West European studies and specifically in European integration; circulates information to mems. about developments in European studies; holds conferences and seminars; research visits to other European countries; documentation on European Studies; 280 individual, 65 corporate mems.; Chair. H. WALLACE; Sec. L. TSOUKALIS; publs. *Register of Current Research in European Integration*, *Register of Courses in European Studies in British Universities & Polytechnics* (annual), *Survey of Library Holdings*.

University Grants Committee: 14 Park Crescent, London, W1N 4DH; f. 1919 to enquire into the financial needs of university education in Great Britain and to advise the Government on the application of any grants made by Parliament towards meeting them; to collect, examine and make available information relating to university education throughout the United Kingdom; and to assist, in consultation with the universities and other bodies concerned, the preparation and execution of such plans for the development of the universities as may from time to time be required in order to ensure that they are fully adequate to national needs; Chair. EDWARD PARKES, SC.D.; Sec. G. COCKERILL; publs. *Statistics of Education—Universities* (annually), *University Development* (every five years), *Annual Survey*.

Workers' Educational Association: Temple House, 9 Upper Berkeley St., London, W.1; f. 1903 to stimulate public interest in education and to provide opportunities for adults to pursue liberal studies and to encourage them to render effective service to the community; co-operates with the universities through its twenty-one districts for the provision of classes including tutorial classes based on a three-year period of study; it is recognized by the Dept. of Education and Science as a Responsible Body, and the classes which it provides independently rank for grants from public funds; 175,000 students; Gen. Sec. R. J. JEFFERIES, B.A.; publs. works on adult education.

Educational Foundations

Animal Health Trust (formerly Veterinary Educational Trust): 24 Portland Place, London, W1N 4HN; f. 1942 to raise money for the purpose of advancing the health of all types of animals through improving the facilities for veterinary education, post-graduate specialisation in research and other fields, the establishment and running of research stations, and the provision of a hospital and laboratory diagnosis service behind the veterinary practitioner; two research stations—equine, canine and small animals; Pres. His Grace The Duke of DEVONSHIRE, M.C.; Scientific Adviser and Chair. of Council Dr. R. F. GORDON, C.B.E., D.SC., D.V.SC., F.R.C.V.S.; Chair. Exec. Cttee. The Viscount LEVERHULME, T.D.; Dir. W. B. SINGLETON, C.B.E., F.R.C.V.S.; publs. *Animal Health* (annually), and periodic technical reports.

Beit Memorial Fellowships for Medical Research: Sec. Prof. W. G. SPECTOR, Pathology Dept., St. Bartholomew's Hospital, London, E.C.1; f. 1909 to promote the advancement of research in medicine and allied sciences; the fellowships are open to any man or woman, without restriction as to nationality, who has taken a degree in any faculty in any university of the U.K., Her Majesty's Dominions, Protectorates and Mandated Territories, India, Pakistan or the Republic of Ireland, approved by the Trustees; Junior Fellowships, £3,660–£4,365 p.a. for 3 years.

Calouste Gulbenkian Foundation: 98 Portland Place, London, W1N 4ET; administers grants to education, arts and social welfare for the Gulbenkian Foundation in the area of the United Kingdom and the Commonwealth; Dir. PETER BRINSON, M.A.; publ. *Annual Report*; *see also* Fundação Calouste Gulbenkian, Lisbon.

Carnegie Trust for the Universities of Scotland: The Merchants' Hall, Hanover St., Edinburgh; f. 1901; one-half of the net annual income (at present about £500,000) is applied towards the improvement and expansion of the Universities of Scotland, in the Faculties of Science and Medicine, also for improving and extending the opportunities for scientific study and research, and to increasing the facilities for acquiring a knowledge of History, Economics, English Literature and Modern Languages, and such other subjects cognate to a technical or commercial education as can be brought within the scope of the University curriculum; the other half of the income, or such part thereof as in each year may be found requisite, is devoted to the payment of the whole or part of the ordinary class fees exigible by the Universities from certain qualified students of Scottish birth, extraction, or schooling; any unexpended income from this second purpose being transferable to the first purpose; Sec. and Treas. A. E. RITCHIE, M.A., M.D., F.R.S.E.

Carnegie United Kingdom Trust: Comely Park House, Dunfermline, Fife; f. 1913; to promote the well-being of the masses of the people of Great Britain and Ireland by "charitable" means: e.g. amateur participation in the arts, particularly for the disabled, neighbourhood mutual help schemes and Heritage Interpretation projects; Sec. GEOFFREY LORD, M.A.; publ. *Annual Report*.

Cassel Educational Trust: 21 Hassocks Rd., Hurstpierpoint, Sussex; f. 1919; benefactions to the Women's Colleges at Oxford and Cambridge and to the University of London for the Faculty of Commerce. Periodic grants to Adult Education Institutions and for the promotion of university faculty research abroad; Edwina Mountbatten Grants to Commonwealth students taking courses in U.K.; Chair. The Lady BRABOURNE; Sec. DAVID HARDMAN.

Chadwick Trust: 13 Grosvenor Place, London, SW1X 7EN; f. 1895 for the promotion of sanitary science and the training of the population therein; Chair. Sir ARTHUR MASSEY, C.B.E., M.D., D.P.H., D.P.A.

Ciba Foundation: 41 Portland Place, London, W1N 4BN; f. 1949; to advance and promote the study of and research in all branches of the sciences of chemistry, medicine and biology, and in particular to promote international co-operation in medical and chemical research; library of 5,000 vols.; Dir., and Sec. to the Exec. Council Dr. DAVID C. EVERED, M.D.

Dartington Hall Trust: Totnes, South Devon; comprises a progressive co-educational school, College of Arts (Music, Drama, Art and Design), Adult Education Centre pottery training workshop, work experience scheme for school leavers and a craft and exhibition centre; Trustees: M. A. ASH (Chair.), R. W. ASH, A. O. ELMHIRST, Lord YOUNG, P. SUTCLIFFE, Sir ALEC CLEGG, J. LANE, C. B. ZEALLEY.

Drapers, Worshipful Company of: Drapers' Hall, Throgmorton St., London, E.C.2; Clerk ALAN O'NEILL; First Charter: Edward III, 1364; Acting Charter: James I, 1606.

Educational Foundation for Visual Aids: 254 Belsize Rd., London, NW6 4BY; f. 1948; set up by the Ministry of Education in conjunction with the local education authorities for the promotion, production and distribution of audiovisual aids in education; Dir. G. C. MARCHANT.

Exhibition of 1851, Royal Commission for the: 1 Lowther Gardens, Exhibition Rd., London, SW7 2AA; incorporated by Supplemental Charter as a permanent Commission after winding up the affairs of the Great Exhibition, 1851; its object is the promotion of scientific and artistic education by means of funds derived from its Kensington Estate, purchased with the funds left over from the Exhibition; Pres. H.R.H. The Prince PHILIP, Duke of EDINBURGH; Chair. Board of Management Sir RICHARD WAY, K.C.B., C.B.E.; Chair. Science Scholarships Cttee. Prof. Sir HARRIE MASSEY, F.R.S.; Sec. C. A. H. JAMES.

Gilchrist Educational Trust: 1 York St., London, W1H 1PZ; the Trust was founded by the will of Dr. John Borthwick Gilchrist (who died in 1841) for the "benefit, advancement and propagation of education and learning in every part of the world as far as circumstances will permit". Trustees: HUMPHREY WHITBREAD, M.A., Lord WOLFENDEN, C.B.E., M.A., Mrs. OLIVE MAGUINNESS, M.SC., D. ÈS SC., Lord GARNER, G.C.M.G., RICHARD WOOD, M.P.; Sec. Miss SINCLAIR SALMON.

Goldsmiths' Company: Goldsmiths' Hall, Foster Lane, Cheapside, London, EC2V 6BN; f. 1327; the Company, in addition to maintaining close contact with the gold, silver and jewellery industries, makes grants for educational and other purposes. The Company offers grants to enable school-teachers to travel abroad during periods of sabbatical leave; also grants to careers teachers to enable them to study aspects of careers advice during a sabbatical term; Clerk C. P. de B. Jenkins, M.B.E., M.C.

Grocers' Company: Grocers' Hall, Princes St., London, E.C.2; f. 1345; (1) Laxton School, Oundle, Northants. (founded and endowed as a free grammar school, 1556); the Court of the Company manage and maintain this school for the sons of residents in the town and neighbourhood. (2) Oundle School, Northants.; f. in 1876; (3) Laxton Junior School, opened September 1973; the Court is the Governing Body; Clerk A. S. Cox.

Gulbenkian Foundation: *see* Calouste Gulbenkian Foundation (above).

Harkness Fellowships of the Commonwealth Fund of New York: Harkness House, 38 Upper Brook St., London, W1Y 1PE; an American philanthropic foundation est. 1918, supports Harkness Fellowships for study and travel in the United States of America; available to U.K. citizens in all fields of study who have received both secondary and further education wholly or mainly in U.K. Awards are also available to candidates in Australia and New Zealand.

Leathersellers of the City of London, Worshipful Company of: 15 St. Helen's Place, London, EC3A 6DQ; First Charter 1444; the Company awards Secular and Theological Exhibitions tenable at Universities in England, open to male undergraduates and graduates in residence at Universities and boys from the Public and recognized Secondary Schools. Candidates must satisfy the Company of their educational attainments and that they are in need of financial aid to complete or proceed to a University Course; Clerk Clem Davenport.

Leverhulme Trust Fund (1925): 15-19 New Fetter Lane, London, EC4A 1NR; f. 1933; annual income of about £2,000,000 for grants to charitable institutions, at home and overseas, mainly for specific short-term projects in research and education; a limited number of awards to individuals on the recommendation of a Research Awards Advisory Committee include Fellowships and Grants for senior persons of established position; Emeritus Fellowships for persons retired from universities and similar institutions wishing to complete research; Faculty Fellowships in European Studies to enable U.K. university staff to undertake advanced study or research in Europe; Senior Studentships for U.K. graduates with a minimum of 5 years experience outside a university to return to study for 1 or 2 years, preferably for a further degree; and postgraduate studentships for advanced study or research at any university other than in the U.K. and U.S.A.; Dir. Dr. R. C. Tress, C.B.E.; Sec. of the Research Awards Advisory Cttee. Miss J. Bennett.

Lord Kitchener National Memorial Fund: Barn Meadow, Great Warley, Brentwood, Essex, CM13 3JR; f. 1916; about 40 scholarships awarded annually to sons of serving or ex-Service personnel of H.M. Forces, tenable at British and Irish universities or approved institutions of university rank, including medical schools, age limit 17–20 at January 1st, or up to 30 for ex-Servicemen. No awards can be made for postgraduate studies; Chair. of Council The Lord Mayor of London; Chair. Exec. Cttee. Air Chief Marshal Sir Augustus Walker, G.C.B., C.B.E., D.S.O., A.F.C.; Chair. Scholarship Cttee. Dudley G. A. Sanders, M.A., T.D.; Sec. C. Ralph Allison, M.A.

Nuffield Foundation: Nuffield Lodge, Regent's Park, London, NW1 4RS. The Nuffield Foundation is the result of the late Lord Nuffield's greatest benefaction. It was established in 1943 as a trust, with a capital valued at £10,000,000. The four main objects of the Foundation, as stated in the Trust Deed, are: the advancement of health, including the prevention and relief of sickness, particularly by the support of medical teaching and research; the improvement of social well-being, particularly by the furtherance of scientific research; the advancement of education; and the care and comfort of the aged. The Trust Deed, however, gives effect to Lord Nuffield's desire that the trustees should have wide additional powers of selection and initiative. The major part of the Foundation's activities is related to the needs of the United Kingdom; but, in addition to its programme of fellowships and scholarships for the Commonwealth overseas, the Foundation also supports research within the Commonwealth. The trustees consist of three ordinary trustees, and seven managing trustees, of whom the Chair. is Lord Todd, O.M., D.SC., D.PHIL, M.A., F.R.S.

Phoenix Trust: 84 Drayton Gardens, London, SW10 9SD; f. 1959; grants to literature and the arts; Sec. Mrs. Julia Jones.

Pilgrim Trust, The: Fielden House, Little College St., London, S.W.1; f. in 1930 by the late Edward Stephen Harkness of New York to help preserve the national heritage of the United Kingdom of Great Britain and Northern Ireland, and to promote the future well-being of the country and its people; grants are made to charitable or public bodies for charitable purposes only, i.e. for the preservation of: (i) ancient buildings, both ecclesiastical and secular; (ii) art treasures and historical records; and (iii) the countryside, for social welfare and for art and learning; this covers help to libraries, museums and galleries, to theatres and arts centres, to archaeological excavations and for specialist publications of national importance; annual income about £450,000; Sec. Sir Patrick Hancock, G.C.M.G.

Plunkett Foundation for Co-operative Studies: 31 St. Giles, Oxford, OX1 3LF; f. 1919; research and consultancy projects, training courses and seminars for staff of agricultural co-operatives in Great Britain and developing countries; library of some 27,000 books, pamphlets, reports and 200 periodicals; Chair. of Trustees Sir Roger Falk, O.B.E.; Vice-Chair. N. Wood, C.B.E.; Chief Exec. F. H. Webster; publs. *The Year Book of Agricultural Co-operation* (annually), *Directory of Agricultural Co-operatives in the U.K.*, *Summary of Statistics* (annually), occasional papers, special reports, research newsletter.

Rhodes Trust: Rhodes House, Oxford; f. 1902; the endowment of the Rhodes Scholarships for graduates from the British Commonwealth, Rhodesia, South Africa, the United States and Western Germany at Oxford University; Trustees: Rt. Hon. Viscount Harcourt, The Hon. John Baring, Rt. Hon. Lord Blake, Prof. D. K. Price, Prof. W. D. M. Paton, M. J. Hussey, W. G. Barr, Robert T. Armstrong; Sec. Sir Edgar Williams.

Rotary International in Great Britain and Ireland: Sheen Lane House, Sheen Lane, London, SW14 8AF; f. 1914; Rotary Foundation awards are available to carefully selected college graduate and undergraduate students and technical trainees from all countries in which Rotary Clubs exist for up to one year of study in universities and technical institutes located in countries other than their own; 56,328 mems.; Sec. John Jackson; publ. *Rotary* (bi-monthly).

Royal Jubilee Trusts: 8 Buckingham St., London, W.C.2; f. 1935 as King George's Jubilee Trust to advance the physical, mental and spiritual welfare of the younger generation; The Queen's Silver Jubilee Trust f. 1977 to enable and encourage young people to help others in the community; Trustees: The Rt. Hon. The Earl of CROMER, M.B.E., Lord WARDINGTON, The Rt. Hon. The Earl SPENCER, M.V.O., D.L.; Chair. of Admin. Council H.R.H. The Prince of WALES, K.G., G.C.B.; Dir. HAROLD HAYWOOD, O.B.E.

Salters' Institute of Industrial Chemistry: Salters' Hall, 4 Fore St., London, EC2Y 5DE; f. 1918; The Master, Wardens and Court of the Salters' Company; (*a*) Fellowships for further training in Chemistry, Biochemistry or Chemical Engineering; (*b*) Scholarships for full-time instruction in the principles of Chemical Engineering or for further experience by research in Chemistry or Chemical Engineering; (*c*) Study Conference for Science Schoolmasters; (*d*) Grants to School Science Libraries (awards temporarily suspended).

Thomson Foundation: 16th Floor, International Press Centre, Shoe Lane, London, EC4; f. 1963 to provide education and vocational training facilities in the field of mass communications in the developing countries, particularly those countries within the Commonwealth; Trustees: Chair. J. M. COLTART, LL.D.; Rt. Hon. Miss BETTY HARVIE ANDERSON, Sir RICHARD BEAUMONT, K.C.M.G., O.B.E., Sir LESLIE GLASS, K.C.M.G.; Dir. T. NEIL, C.M.G., T.D.

Wolfson Foundation: P.O.B. 1BZ, Universal House, 251-56 Tottenham Court Rd., London, W1A 1BZ; f. 1955; promotes education and health in the United Kingdom and Commonwealth with particular reference to scientific and technological education, building facilities for higher education, youth activities, medical research, cancer research, and medical, surgical and nursing services; Pres. Sir ISAAC WOLFSON, Bt., F.R.S., D.C.L.; Chair. of Trustees, Sir LEONARD WOLFSON, LL.D.; Dir. and Sec. Maj.-Gen. A. R. LEAKEY, C.B., D.S.O., M.C.

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

Ancient Monuments Society: St. Andrew-by-the-Wardrobe, Queen Victoria St., London, E.C.4; f. 1924 for the study and conservation of ancient monuments, historic buildings and fine old craftsmanship; 2,000 mems.; Pres. The Rt. Hon. The Earl of ROSSE, M.B.E., M.A., LL.D., M.R.I.A., F.S.A.; Chair. IVOR BULMER-THOMAS, M.A., F.S.A.; Dir. L. M. ANGUS-BUTTERWORTH, M.A., C.ENG., F.I.MECH.E., F.S.A.SCOT.; Hon. Sec. G. I. MEIRON-JONES; publ. *Transactions* (annually).

Association of Contemporary Historians: c/o Dr. A POLONSKY (Sec.), London School of Economics and Political Science, Aldwych, London, W.C.2; f. 1967 to promote the study of all aspects of the history of the twentieth century; *c.* 150 mems.; publ. *Bulletin* (annually).

Baptist Historical Society, The: 4 Southampton Row, London, WC1B 4AB; f. 1908 to promote the study of and record the history of the Baptists; assists researchers, and gives advice to Churches on care and preservation of records; library administered jointly with Baptist Union; Pres. Rev. E. A. PAYNE, C.H., M.A., D.D.; Sec. Rev. P. J. WORTLEY, B.A., B.D.; publ. *The Baptist Quarterly*.

British Archaeological Association: c/o Hon. Asst. Treasurer and Secretary, 61 Old Park Ridings, Winchmore Hill, N21 2ET; f. 1843; 700 mems.; Pres. P. E. LASKO, M.A., F.S.A.; publ. *Journal* (annual).

British Cartographic Society: Warren Farm, Sherfield English, Romsey, Hants, SO5 0FQ; f. 1963; 950 mems.; Pres. I. A. G. KINNIBURGH; Hon. Sec. JOHN H. C. WILKS; publs. *The Cartographic Journal*† (twice yearly), *Automated Cartography*†, *Careers in Cartography*†.

British Numismatic Society: Sec. W. SLAYTER, 63 West Way, Edgware, Middx.; f. 1903; 520 mems.; Pres. PETER WOODHEAD; publ. *British Numismatic Journal* (annually).

British Records Association: Master's Court, The Charterhouse, Charterhouse Square, London, EC1M 6AU; f. 1932 for the preservation and use of records (archives), and for the co-ordination of the work of institutions and individuals interested in the subject; 1,400 mems.; Pres. Rt. Hon. Lord DENNING; publs. *Archives* (twice yearly), *Archives and the User* (occasional).

Cambrian Archaeological Association: f. 1846; 986 mems.; Pres. DONALD MOORE, R.D., B.A., M.ED., F.S.A.; Gen. Sec. H. D. REES, Llyswen, Bow St., Dyfed, SY24 5BB; publ. *Archaeologia Cambrensis*.

Canterbury and York Society: f. 1904; 228 mems.; Pres. The ARCHBISHOPS OF CANTERBURY and YORK; Sec. Mrs. D. M. OWEN, 79 Whitwell Way, Coton, Cambridge, CB3 7PW; Gen. Editor Prof. R. L. STOREY; publ. *Bishops' Registers*.

Catholic Record Society: c/o 114 Mount St., London, W.1; f. 1904; publishes documentary material on Catholic history in England and Wales since the reformation; international membership; Sec. Miss R. RENDEL; publs. annual volumes of either monograph series or record series; *Journal*, *Recusant History* (twice yearly).

Challenger Society: c/o Institute of Oceanographic Sciences, Wormley, nr. Godalming, Surrey; f. 1903 for the promotion of the study of oceanography; about 440 mems.; Hon. Sec. R. I. CURRIE, C.B.E., F.R.S.E.; publs. occasional papers and *The Challenger Society Newsletter*.

Council for British Archaeology: 112 Kennington Rd., London, SE11 2RE; f. 1944; for the preservation of ancient monuments and the co-ordination and promotion of archaeological activities in the British Isles; liaises at national level between archaeological societies and government bodies, encourages co-operation between amateur and professional archaeologists, advises on national preservation policy, makes grants for publication of papers; national information centre on British archaeology; 420 institutional mems.; Pres. Prof. B. W. CUNLIFFE, M.A., B.LITT., F.S.A.; Dir. Dr. H. F. CLEERE, B.A., F.S.A.; publs. *British Archaeological Abstracts* (twice yearly), *Archaeological Bibliography* (annually), *Calendar of Excavations*, *Newsletter* (monthly), *Research Reports* (occasional), etc.

Dugdale Society for the Publication of Warwickshire Records: Shakespeare's Birthplace, Stratford-upon-Avon; f. 1920; 250 mems.; Pres. Sir WILLIAM STRATFORD DUGDALE, Bt., M.C.; Chair. Dr. LEVI FOX, O.B.E., D.L., M.A., F.S.A., F.R.HIST.S., F.R.S.I.; Hon. Treas. Miss P. BROWN.

Ecclesiastical History Society: c/o The Secretary, Department of History, King's College, University of London, London, WC2R 2LS; f. 1961; 400 mems.; aims to further the study of ecclesiastical history and to maintain relations between British ecclesiastical historians and scholars abroad; Pres. Prof. R. A. MARKUS; Sec. Dr. JANET L. NELSON; publ. *Studies in Church History* (annual).

Economic History Society: London School of Economics, Houghton St., London, WC2A 2AE; f. 1927 to encourage the teaching and study of economic history; 3,000 mems.; Pres. Prof. S. G. CHECKLAND; Hon. Vice-Pres. Prof. F. J. FISHER. Prof. M. M. POSTAN, Prof. R. S. SAYERS; Hon. Sec. Prof. T. C. BARKER; publ. *The Economic History Review* (quarterly).

Egypt Exploration Society: 3 Doughty Mews, London, WC1N 2PG; f. 1882; Sec. MARY D. ST. B. CRAWFORD; publs. *Excavation Memoirs*, *Archaeological Survey*, *Graeco-Roman Memoirs*, *Texts from Excavations*, *The Journal of Egyptian Archaeology*, etc.; library: *see* Libraries.

English Place-Name Society: School of English Studies, University of Nottingham, Nottingham, NG7 2RD; f. 1923 for the publication of a yearly volume on the place-names of a county, or part of a county; 650 mems.; Hon. Dir. Prof. K. CAMERON, PH.D., F.B.A.; publ. *Journal of the English Place-Name Society* (annually).

Friends Historical Society: Friends House, Euston Rd., London, NW1 2BJ; f. 1903; 400 mems.; Sec. EDWARD H. MILLIGAN; publ. *Journal of the Friends Historical Society* (annually).

Geographical Association: 343 Fulwood Rd., Sheffield, S10 3BP; f. 1893 to further the interests of teachers of geography and of the study and teaching of geography generally; approx. 10,000 mems.; library of 17,000 vols.; Pres. Dr. NORMAN J. GRAVES; Joint Hon. Secs. G. M. LEWIS, R. A. DAUGHERTY; publs. *Geography* (quarterly), *Teaching Geography* (quarterly), variety of occasional papers and pamphlets.

German Historical Institute: 42 Russell Square, London, WC1B 5DA; f. 1976; studies in British and German history from the Middle Ages to the present; study of Anglo-German relations; reference library for post-graduate students of 10,000 vols., 100 periodicals; Dir. Prof. Dr. WOLFGANG J. MOMMSEN; Sec. Dr. LOTHAR KETTENACKER.

Hakluyt Society: c/o Map Library, British Library, Great Russell St., London, WC1B 3DG; f. 1846; 2,100 mems.; Pres. Dr. E. S. DE BEER, C.B.E., F.B.A.; Hon. Secs. Prof. E. M. J. CAMPBELL, Dr. T. E. ARMSTRONG; publs. early voyages and travel and other geographical records.

Harleian Society: Ardon House, Mill Lane, Godalming, Surrey; f. 1869, inc. 1902, for the transcribing, printing and publishing the Heraldic Visitations of Counties, Parish Registers or any MSS. relating to genealogy, family history and heraldry; *c.* 300 subscribers; Chair. R. O. DENNYS, M.V.O., O.B.E., F.S.A., Somerset Herald of Arms; Hon. Sec. and Treas. J. P. HEMING, B.A.

Heraldry Society: 28 Museum St., London, W.C.1; f. 1947 to further the study of heraldry, armory, chivalry, genealogy and kindred subjects; 2,000 mems.; Pres. The Duke of NORFOLK, C.B., C.B.E., M.C.; Sec. Mrs. J. C. G. GEORGE; publ. *The Coat of Arms* (quarterly).

Historical Association: 59A Kennington Park Rd., London, SE11 4JH; f. 1906; aims to advance the study and teaching of history at all levels, to increase public interest in all aspects of the subject and to develop it as an essential element in the education of all; 92 branches in the U.K. and Australia, New Zealand, Africa and South Africa; *c.* 10,000 mems.; library of 6,000 vols.; extensive up-to-date history textbook collection; Sec. Miss C. M. POVALL, B.A.; publs. *History* (three a year), *Teaching History* (3 a year), *Annual Bulletin of Historical Literature*, *Helps for Students of History* Series, *Appreciations in History* Series, *Teaching of History* series.

Honourable Society of Cymmrodorion: 118 Newgate St., London, EC1A 7AE; f. 1751; Royal Charter 1951; approx. 1,600 mems.; Patron H.M. THE QUEEN; Pres. Sir THOMAS PARRY, M.A., D.LITT., D.LITT.CELT., LL.D., F.B.A.; Chair. His Honour Judge D. WATKIN POWELL, M.A.; Hon. Sec. J. HAULFRYN WILLIAMS, B.A.; publs. *Transactions*, Welsh and English versions of *The Dictionary of Welsh Biography*.

Huguenot Society of London: c/o Barclays Bank, 1 Pall Mall East, London, SW1Y 5AX; f. 1885; 12 Hon. Fellows, 867 Ordinary Fellows, 3 Junior Fellows, 122 subscribing libraries, 16 societies in correspondence; Pres. C. F. A. MARMOY, F.L.A., PH.D.; Hon. Sec. Miss IRENE SCOULOUDI, M.SC.(ECON.), F.S.A., F.R.HIST.S.; publs. *Proceedings*, *Quarto Series*.

Institute of British Geographers: 1 Kensington Gore, London, SW7 2AR; f. 1933 to hold meetings for the reading and discussion of papers; to publish reports of proceedings and research papers; to promote research in geography, and to act as an association of professional geographers; 1,750 mems.; Pres. Prof. E. H. BROWN; Sec. Prof. DAVID THOMAS; publs. *Transactions* (quarterly), *Area* (quarterly), *Special Publications*.

Institute of Heraldic and Genealogical Studies: Northgate, Canterbury, Kent; f. 1961 for education and research in family history, training and professional qualification; Reg. R. M. COLLINS; Dir. C. R. HUMPHREY-SMITH; Sec. Mrs. C. J. KELLY; publ. *Family History*.

Jewish Historical Society of England: 33 Seymour Place, London, W1H 5AP; f. 1893; 900 mems.; Pres. AUBREY NEWMAN, D.PHIL., F.R.HIST.S.; Hon. Sec. Dr. J. ISRAEL; publs. *Transactions*, *Miscellanies*, etc.

London and Middlesex Archaeological Society: c/o Museum of London, London Wall, London, E.C.2; f. 1855; collects and publishes archaeological information relating to London and Middlesex; 800 mems.; Pres. MAX HEBDITCH, M.A., F.S.A., F.M.A.; Hon. Sec. JOHN CLARK, B.A., A.M.A.; publ. *Transactions* (annually).

London Record Society: f. 1964 to publish the original sources for the history of London and generally to stimulate public interest in archives relating to London; *c.* 350 mems.; Hon. Sec. HEATHER CREATON, c/o Institute of Historical Research, Senate House, London, WC1E 7HU; publs. *Annual Series* and *Occasional Series*.

London Topographical Society: 50 Grove Lane, London, S.E.5; f. 1880; 450 mems.; Patron: H.R.H. The Duke of EDINBURGH, K.G., K.T.; Hon. Sec. S. N. P. MARKS, M.A., R.I.B.A.; publs. *The London Topographical Record* (irregular), and maps and views, annually.

Manchester Geographical Society: 274 Corn Exchange Building, Manchester, M4 3EY; f. 1884 to promote the study of all branches of geographical science; 200 mems.; library of 6,500 vols. (now on permanent loan to the University of Manchester); Pres. W. E. PEARCE; Sec. Mrs. I. FORSHAW; publ. *Journal* (irregularly).

Maritime Trust: 16 Ebury St., London, SW1W 0LH; an independent trust f. 1969 to discover, acquire and preserve vessels and things maritime of historic or technical importance and where appropriate arrange for them to be accessible to the public; incorporates the Cutty Sark Society; Pres. H.R.H. The Duke of EDINBURGH, K.G., K.T.; Chair. The Rt. Hon. Viscount BOYD OF MERTON, P.C., C.H.; Dir. Vice-Admiral Sir PATRICK BAYLY, K.B.E., C.B., D.S.C.

Monumental Brass Society: f. 1887 to promote the study of, and interest in, better preservation of monumental brasses, and to compile and publish a full and accurate list of all extant and lost brasses, English and foreign; Hon. Sec. W. MENDELSSON, 57 Leeside Cres., London, NW11 0HA; publs. *Transactions*, *Portfolio* (annual), *Bulletin* (3 a year).

Navy Records Society: c/o Royal Naval College, Greenwich, London, S.E.10; f. 1893; publishes documents concerning British naval history; 1,000 mems.; Pres. Lord CARRINGTON; Hon. Secs. A. N. RYAN, N. A. M. RODGER.

Palestine Exploration Fund: 2 Hinde Mews, Marylebone Lane, London, W1M 5RH; f. 1865; 900 subscribers; to obtain and disseminate non-political information about ancient and modern Syria (Syria, Lebanon, Jordan, Israel); Pres. The Archbishop of CANTERBURY; Hon. Sec. J. R. MATTHERS, M.A.; publ. *Palestine Exploration Quarterly*.

Prehistoric Society: c/o Dept. of Prehistoric and Romano-British Antiquities, British Museum, London, WC1B 3DG; f. 1908; 1,900 mems.; Pres. J. D. EVANS, M.A., PH.D., F.B.A., F.S.A.; Hon. Sec. I. A. Kinnes, M.A., PH.D., F.S.A.; Hon. Editor J. M. Coles, M.A., PH.D., F.S.A.; publ. *Proceedings*.

Regional Studies Association: 62 Chandos Place, London, WC2N 4HH; f. 1965; an interdisciplinary group exclusively concerned with regional issues; aims to provide a forum for the exchange of ideas and information on regional problems, to publish the results of regional research, and stimulate studies and research in regional planning and related fields; holds meetings, conferences and seminars; organizes study groups; 12 branches; 600 individual, 200 corporate mems., including government depts., ministries, local authorities, educational institutions, etc.; Chair. D. R. Diamond, M.A., M.SC.; Hon. Sec. Geoffrey M. Cox, M.A.; Exec. Sec. Mrs. Gloria Frankel, B.A.; publs. *Regional Studies*, *Newsletter* (6 a year).

Royal Archaeological Institute: c/o 304 Addison House, Grove End Rd., London, NW8 9EL; f. 1843; Pres. S. S. Frere, C.B.E., LITT.D., F.B.A., F.S.A.; Hon. Sec. S. D. T. Spittle, M.A., R.I.B.A., F.S.A.; Asst. Sec. Miss W. E. Phillips; publ. *Archaeological Journal*.

Royal Commission on Historical Manuscripts: Quality House, Quality Court, Chancery Lane, London, WC2A 1HP; f. 1869, reconstituted 1959; locates, reports on, and publishes historical MSS. and papers of every type outside the Public Records; advises owners and others on their use, preservation and disposal; co-ordinates activities of similar bodies; maintains the *National Register of Archives*, containing over 22,000 indexed reports on MSS collections; Sec. G. R. C. Davis, D.PHIL.; publs. over 200 vols.

Royal Geographical Society: Kensington Gore, London, SW7 2AR; f. 1830; furtherance of geographical research, teaching, and expeditions; 7,000 mems.; private library of 125,000 vols.; Pres. Lord Hunt of Llanfair Waterdine, C.B.E., D.S.O.; Dir. and Sec. John Hemming; publs. *Geographical Journal*† (3 a year), *Geographical Magazine* (monthly); public map room; library: *see* Libraries.

Royal Historical Society: University College London, Gower St., WC1E 6BT; f. 1868; library of 12,000 vols.; Pres. Sir John Habakkuk, M.A., F.B.A.; Exec. Sec. Mrs. J. Chapman; publs. *Transactions*, *Camden Series*, *Guides and Handbooks Series*.

Royal Numismatic Society: c/o British Museum, London, WC1B 3DG; f. 1836; over 900 mems.; Pres. R. A. G. Carson; Secs. M. J. Price, D. M. Metcalf; publs. *Numismatic Chronicle*, *Coin Hoards* (annual), *Monographs*.

Royal Scottish Geographical Society: 10 Randolph Crescent, Edinburgh; f. 1884 in order to extend geographical education in Scotland and to maintain contact with Scotsmen abroad and with others interested in the subject; library of 30,000 vols., 60,000 maps, 200 current periodicals; over 3,500 mems.; Pres. Prof. J. Wreford Watson, M.A., PH.D., LL.D., F.R.S.C., F.R.S.E., F.R.S.G.S.; Sec. Donald G. Moir, F.R.S.G.S.; Hon. Librarian David C. Simpson, M.B.E., PH.D., F.R.S.E., F.R.S.G.S.; publ. *The Scottish Geographical Magazine* (3 a year).

Scottish History Society: Dept. of History, Kings College, Aberdeen, AB9 2UB; f. 1886 for the printing of unpublished documents illustrating the history of Scotland; 700 mems.; Pres. Prof. A. A. M. Duncan; Hon. Sec. D. Stevenson, PH.D.

Society for Army Historical Research: c/o The Library, Old War Office Building, Whitehall, London, S.W.1; f. 1921; over 1,000 mems.; Pres. Field Marshal Sir Gerald W. R. Templer, K.G., G.C.B., G.C.M.G., K.B.E., D.S.O., D.C.L.; Hon. Sec. B. Mollo, T.D., M.A.; publ. *Journal* (quarterly).

Society for Medieval Archaeology: c/o University College, Gower St., London, W.C.1; f. 1957 for the study of archaeology of the post-Roman period; 1,800 mems; Pres. C. E. Blunt, O.B.E., F.B.A.; Sec. J. A. Graham-Campbell; publs. *Medieval Archaeology* (annual), *Monograph Series* (occasional).

Society for Nautical Research: c/o National Maritime Museum, Greenwich, London, S.E.10; f. 1910; *c.* 2,100 mems.; Pres. Rear-Admiral E. F. Gueritz, C.B., O.B.E., D.S.C.; Chair. Dr. Helen Wallis; Hon. Sec. P. G. W. Annis; publ. *The Mariners' Mirror* (quarterly).

Society for Post-Medieval Archaeology: f. 1967; 850 mems.; Pres. Kenneth James Barton; Sec. Stephen Moorhouse, 27 Moorside Terrace, Drighlington, Bradford, BD11 1HX; publ. *Post-Medieval Archaeology* (annual).

Society of Antiquaries of London: Burlington House, London, W1V 0HS; f. 1707; 1,438 Fellows; Pres. Dr. A. R. Dufty; Sec. Dr. I. H. Longworth; publs. *Archaeologia*, *The Antiquaries Journal*†; library: *see* Libraries.

Society of Antiquaries of Scotland: National Museum of Antiquities, Queen St., Edinburgh EH2 1JD; f. 1780; 1,800 mems.; Pres. R. B. K. Stevenson, M.A., F.S.A., F.M.A.; Sec. Trevor F. Watkins, PH.D.; publ. *Proceedings* (annual).

Society of Archivists: f. 1947; 750 mems.; Pres. Dr. F. Hull, B.A.; Hon. Sec. P. Walne, M.A., F.S.A., F.R.HIST.S., County Record Office, County Hall, Hertford; publ. *Journal* (twice yearly).

Society of Genealogists: 37 Harrington Gardens, London, SW7 4JX; f. 1911; over 5,000 mems.; library of over 30,000 vols.; Pres. Admiral of the Fleet The Earl Mountbatten of Burma, K.G., P.C., O.M., G.C.B., G.C.S.I., G.C.I.E., G.C.V.O., D.S.O., F.R.S.; Sec. Miss M. Surry; publ. *The Genealogists' Magazine* (quarterly).

United Reformed Church History Society: 86 Tavistock Place, London WC1H 9RT; f. 1972 to incorporate the Congregational Historical Society (f. 1899) and the Presbyterian Historical Society of England (f. 1913); 600 mems.; library of 7,000 vols.; Joint Hon. Secs. A. G. Esslemont, Rev. S. C. Orchard, PH.D.; publ. *Journal* (2 a year).

Wesley Historical Society: f. 1893 to promote the study of the history and literature of Methodism; 1,000 mems. in U.K. (including N. Ireland); Pres. Rev. Dr. John C. Bowmer; Gen. Sec. Rev. Thomas Shaw, 39 Fair St., St. Columb Major, Cornwall; publ. *Proceedings* (3 times a year).

Wiltshire Record Society: Milestones, Hatchet Close, Hale, Hants.; to publish the documentary sources for the history of Wiltshire and the means of reference thereto; Pres. Prof. R. B. Pugh; Hon. Sec. Mrs. N. D. Steele; Hon. Editor D. C. Cox.

International Cultural Institutes

Anglo-Chinese Educational Institute: 152 Camden High St., London, NW1; f. 1966; to encourage and promote the study and dissemination of information about all aspects of China and the Chinese people; a Charitable Trust entirely supported by voluntary contributions, and working closely with the Society for Anglo-Chinese Understanding (*q.v.*); makes grants to the Society and other bodies undertaking educational work in relation to China, to promote lectures, conferences, films, educational visits to China, etc.; information centre and specialist library of 1,500 vols.; Sec. Mrs. B. Paterson; publs. *Modern China* series.

Austrian Institute: 28 Rutland Gate, London, SW7 1PQ; f. 1956; agency of the Austrian Ministry of Foreign Affairs, acting also as Cultural Affairs Section of Austrian Embassy in London; promotion of cultural relations between Great Britain and Austria; library of 8,000 vols.; Dir. Dr. Wilhelm Schlag.

British Council (*see page following*).

Casa do Brasil (*House of Brazil*): 49 Lancaster Gate, London, W.2; f. 1960; library of 37,000 vols.; cultural exchanges; language tuition; Dir. Prof. J. Lourenço da Silva.

Commonwealth Institute: Kensington High St., London, W8 6NQ; aims to foster among the peoples of the Commonwealth a greater knowledge of one another and of the importance of the Commonwealth Association; permanent exhibitions of all Commonwealth countries, open to the public with special provision for visiting parties; wide range of intra- and extra-mural services including overseas study courses, talks to schools, and conferences. A Library and Resource Centre, a Fine Art Gallery with changing exhibitions, a Cinema which doubles as a live theatre, Trade Centre and Shop are other amenities which make the Institute a complete centre for learning about the Commonwealth; Dir. James F. Porter, M.A., B.Sc.

Danish Institute: 3 Doune Terrace, Edinburgh, EH3 6DY; f. 1947 to supply information about Denmark and further cultural co-operation with other countries; summer courses and study tours; library of 1,000 vols.; Danish Rep. Knud Lindum-Poulsen, M.A.; publs. *Contact with Denmark*, *Musical Denmark* (annually).

English-Speaking Union (of the Commonwealth): Dartmouth House, 37 Charles St., Berkeley Square, London, W1X 8AB; f. 1918 to foster relations between English-speaking peoples; 55 branches in Great Britain, 6 in New Zealand, 5 in Australia, 13 in Canada, 7 in India, 1 each in Bermuda and Malta; works closely with E.S.U. of the U.S. (80 brs.); extensive educational and social activities (including student and teacher exchange), meetings, lectures; library of approx. 10,000 vols.; Pres. H.R.H. The Prince Philip, Duke of Edinburgh, K.G., K.T., O.M.; Chair. Sir Patrick Dean, G.C.M.G.; Dir.-Gen. D. C. Alexander, C.B.

Fédération Britannique des Comités de l'Alliance Française: 3 Queensberry Place, S. Kensington, London, SW7 2DN; f. 1908; Sec.-Gen. Jean-Paul Couchoud.

Goethe-Institut: 50/51 Princes Gate, Exhibition Rd., London, SW7 2PG; Dir. Dr. Klaus Schulz; Dir. of Studies S. Bauer-Schlichtegroll; Librarian Charlotte Ezold.

Greek Institute: 34 Bush Hill Rd., London, N21 2DS; f. 1969 for the promotion of Modern Greek studies through lectures, publications, examinations and cultural activities; Dir. Dr. Kypros Tofallis; publ. *Greek Review*† (quarterly).

Institut Français du Royaume-Uni: Queensberry Place, London, SW7 2DT; f. 1913; run in conjunction with the Universities of Paris and Lille; lectures, concerts, films, exhibitions, evening classes; lending library of 65,000 vols., 25 periodicals; Dir. J.-Y. Tadié.

Institute of Spain: 102 Eaton Square, London, S.W.1; f. 1946; courses on Spanish language and culture; library of 20,000 vols.; Dir. José Ignacio Carbajal.

Islamic Cultural Centre: 146 Park Rd., London, N.W.8; f. 1944 to spread Islamic culture and, in particular, to help the growing Muslim community to know more about their religion; library of 10,000 vols., mostly Arabic, also English and Urdu; Dir. Dr. M. A. Zaki Badawi; publs. *The Islamic Quarterly*, *Islamic Literature*.

Italian Institute: 39 Belgrave Square, London, SW1X 8NX; f. 1950; principal agent of Italian Government for the execution of the Cultural Agreement between Italy and Great Britain; centre for cultural information and exchanges; organizes lectures, concerts, film shows, exhibitions; library of 20,000 vols., and main Italian newspapers and periodicals; Dir. Mario Montuori.

Maison Française d'Oxford: Norham Rd., Oxford; f. 1946; attached both to the University of Oxford and the Académie de Paris; cultural and social centre; library of 30,000 vols.; organizes lectures, seminars, exhibitions, concerts and film projections; small residential college for students; Dir. Henry Bouillier, M.A.

Polish Cultural Institute: 16 Devonshire St., London, W.1; f. 1946; Dir. E. Bryll.

Queen Elizabeth House: 21 St. Giles, Oxford; f. 1954 to provide a centre for the study of political, economic, legal, administrative and social matters affecting developing countries and to arrange studies and research, particularly for senior administrators from developing countries; Warden K. B. Griffin, B.Phil., M.A., D.Phil. (*see* also under Oxford University).

Society for Anglo-Chinese Understanding: 152 Camden High St., London, NW1 0NE; f. 1965; to promote understanding and friendship between the British and Chinese people by arranging meetings, providing speakers, lectures, film shows, organizing group tours to China; 1,700 mems.; library under administration of Anglo-Chinese Educational Institute; *c.* 1,500 vols.; Pres. Joseph Needham, F.R.S.; Chair. Derek Bryan; publ. *China Now* (6 a year).

Society for Cultural Relations with the U.S.S.R.: 320 Brixton Road, London, SW9 6AB; f. 1924; promotes cultural relations with the U.S.S.R.; information department; speakers on specialist and general subjects; language courses in G.B. and U.S.S.R.; 1,500 mems.; reference library of over 15,000 vols., Soviet periodicals, a variety of visual aids and special arrangements with various universities where many of the Society's Soviet journals etc., are on permanent loan; Chair. M. Hookham, B.Sc.(Econ.); Sec. Mrs. Ruth Kisch; publs. *Anglo-Soviet Journal* (3 times a year), reading lists, occasional pamphlets, information sheets, etc.

Language and Literature

Academi Gymreig (*Welsh Academy*): 13 St. Andrew's Crescent, Cardiff, CF1 3DB; f. 1959 to promote literature in the Welsh language; 44 mems.; *Welsh Language Section:* Pres. Dr. Kate Roberts; Chair. Dr. R. M. Jones; Sec. Ann Beynon; publs. *Taliesin*, *Cyfres Cyfieithiadau'r Academi*.

English Language Section: f. 1968 to promote Anglo-Welsh literature; 64 mems.; Pres. A. G. Prys Jones; Chair. G. O. Jones; Sec. Sue Harries.

Association of British Science Writers: c/o The Royal Institution, 21 Albemarle St., London, W1X 4BS; f. 1947 for the promulgation of science writing; 220 mems.; Pres. Sir Peter Medawar, F.R.S.; Chair. Alan Cane; Sec. Eleanor Lawrence.

Brontë Society: The Brontë Parsonage, Haworth, near Keighley, Yorks.; f. 1893, inc. 1902, to collect and act as guardian of Brontë letters, MSS., and personal belongings which are housed in the Brontë Parsonage Museum, former home of the Brontës and now in the care of the Society; 2,350 mems.; Pres. Miss Margaret Lane, M.A.; Chair. of Council Mrs. J. E. Kellett; Hon. Sec. A. H. Preston, 4 Mytholmes Lane, Haworth, Keighley; publ. *Brontë Society Transactions* (annual).

Charles Lamb Society, The: Charles Lamb's House, 64 Duncan Terrace, London, N1 8AG; f. 1935; to promote the study of the lives and times of Charles Lamb and his circle, and to form a collection of Eliana; library housed in the Edmonton public library; owns Button Snap, Lamb's Hertfordshire cottage; Pres. Dr. Ian Jack, M.A., D.Phil.; Hon. Sec. A. D. G. Cheyne; publ. *The Charles Lamb Bulletin* (quarterly).

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THE BRITISH COUNCIL

10 SPRING GARDENS, LONDON, SW1A 2BN

Established November 1934;
incorporated by Royal Charter 1940.

ORGANIZATION

The principal purposes of the British Council are the promotion of a wider knowledge of Britain and the English language abroad and the development of closer cultural relations with other countries. Its estimated expenditure for 1978–79 is £93.9m., 81 per cent of which is provided out of public funds.

The Council is governed by a board of up to 30 members, six of whom are nominated by Ministers. The Chairman is Sir CHARLES TROUGHTON, C.B.E., M.C., T.D. There are advisory committees for Scotland and Wales, and also advisory committees or panels for the main branches of the Council's work. The Director-General is Sir JOHN LLEWELLYN, K.C.M.G., PH.D., D.SC., F.R.S.(N.Z.).

There are offices of the Council in the following Commonwealth countries: Australia, Bangladesh, Canada, Cyprus, Ghana, India, Kenya, Malawi, Malaysia, New Zealand, Nigeria, Sierra Leone, Singapore, Sri Lanka, Tanzania, Zambia, Lesotho (with Botswana and Swaziland), Hong Kong, Malta, Mauritius; and in the following foreign countries: Afghanistan, Algeria, Argentina, Austria, Bahrain, Qatar and United Arab Emirates, Belgium (with Luxembourg), Brazil, Cameroon, Chile, Colombia, Denmark, Egypt, Ethiopia, Finland, France, Federal Republic of Germany, Greece, Indonesia, Iran, Iraq, Israel, Italy, Japan, Jordan, Republic of Korea, Kuwait, Lebanon, Mexico, Morocco, Nepal, Netherlands, Norway, Oman, Pakistan, Peru, Poland, Portugal, Saudi Arabia, Senegal (with Mali and Mauritania), South Africa, Spain, Sudan, Sweden, Syria, Thailand, Tunisia, Turkey, Venezuela, Yemen Arab Republic, Yugoslavia and Zaire; the Cultural Attachés at the British Embassies in Czechoslovakia, Hungary and Romania, the Assistant Cultural Attaché at the British Embassy in the Soviet Union, and the Educational Attachés at the British Embassy in Washington (U.S.A.) are appointed by the British Council.

ACTIVITIES

Educational work is one of the Council's most important tasks. The fields of English language teaching and science have been important for many years while more recently the Council has strengthened its expertise and international collaboration in such areas as educational technology, schools and teacher education, science and mathematics education, and further and higher education. Assistance and advice is provided in the introduction of new methods, materials and techniques in both the formal and non-formal sectors of education. The emphasis is on the training of teachers and teacher-trainers, and the Council co-operates with overseas governments by maintaining English Language officers overseas and by seconding or recruiting staff for key posts. Further support for English teaching is provided by work in radio and television. There is similar support, on a smaller scale, for science education, and of the lecturers supplied for summer schools and short courses for teachers overseas about a quarter are science and mathematics specialists. In some countries the Council is engaged in direct English teaching, particularly to specialist professional groups, is involved in material preparation, and directs centres for British examinations in English. It recruits educational advisers to Ministries, teachers of English, science and other subjects for schools, colleges and universities. The Council operates a variety of schemes geared to meet the needs of academic interchange with other countries. It also maintains officers in an increasing number of countries to promote liaison with British scientists and to provide information on British science, medicine and technology. It sends overseas specialists in a wide range of subjects to lecture, advise and consult.

In many of these activities the Council co-operates closely with the Ministry of Overseas Development and other organizations. Headquarters support for the overseas activities includes several units within the Education and Science Division which meet specific requests as well as disseminating information through leaflets, other publications and study kits. English language teaching activities are supported by the English Language Division in London, which has a team of specialist advisers, maintains a specialist library providing bibliographical and other information, and carries out developmental projects in the teaching and learning of English. Training courses in the production of educational radio and television programmes as well as audio-visual aids are conducted for overseas trainees in the Council's training complex in Tavistock House.

The Council aims to promote a wider knowledge and appreciation of British scholarship and achievements in the literary, visual, and performing arts. Writers, ballet soloists and other specialists are invited to perform, lecture or teach overseas; tours by a wide range of musicians and theatre companies are organized or assisted; fine arts exhibitions and photographic displays are sent abroad; support is given to English studies; collections of documentary films are maintained in many overseas offices and in Headquarters the advice of specialist staff is available.

The Council runs or is associated with 170 libraries; as ODM's adviser and agent assists in the establishment or strengthening of public library systems in developing countries and operates their Books Presentation Programme and the English Language Book Society's Low Priced Books Scheme; promotes the use of British publications overseas by organizing exhibitions of books and periodicals.

The Council provides many services for overseas students in Britain. It arranges programmes of studies for professional people, and gives scholarships and other awards to overseas scholars and research workers to allow them to pursue their studies in Britain. It administers the awards for training in Britain under the technical co-operation programme, and is also responsible for administering in Britain most of the Fellowships schemes of the UN and UN Specialized Agencies and certain Council of Europe Higher Education Scholarships. It also administers jointly with the Association of Commonwealth Universities awards offered under the Commonwealth Scholarship and Fellowship Plan. Increasingly, the Council acts as agent for training schemes in Britain financed by overseas governments or international bodies. It finances Youth Exchange programmes with many countries; and it also organizes short courses and summer schools in Britain on a variety of educational and other subjects.

Publications: *British Book News*, *British Medical Bulletin*, *British Medicine*, *Educational Broadcasting International*, *Science Educational Newsletters*, *Writers and Their Work*, *ELT Documents*, a wide variety of bibliographical and other materials relating to the teaching of English and Council work, and various occasional surveys.

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Classical Association: c/o Prof. C. Collard, Dept. of Classics, University College, Singleton Park, Swansea, SA2 8PP; Mrs. Elys Varney (Joint Secs.); f. 1903; 4,500 mems.; Pres. Dr. B. R. Rees; 31 brs.; publs. *Classical Review, Classical Quarterly, Greece and Rome* (twice a year), *Proceedings*† (annual).

Dickens Fellowship: Dickens House, 48 Doughty St., London, WC1N 2LF; f. 1902 to knit together in a common bond of friendship lovers of Charles Dickens, and to assist in the preservation and purchase of buildings and objects associated with Dickens or mentioned in his works; approx. 5,000 mems.; Pres. (Oct. 77–Sept. 79) Very Rev. Dr. Edward Carpenter, M.A., B.D., PH.D.; Hon. Sec. Alan S. Watts; Hon. Editor Andrew Sanders; publ. *The Dickensian* (four-monthly).

Early English Text Society: Lady Margaret Hall, Oxford; f. 1864; approx. 1,250 mems.; Hon. Dir. Prof. Norman Davis, F.B.A.; Exec. Sec. Dr. Anne Hudson; texts published annually.

Edwardian Studies Association: High Orchard, 125 Markyate Rd., Dagenham, Essex; f. 1975; to encourage related studies of Edwardians—Wells, Gissing, Conrad, Ford, Shaw, Pinero, etc.; publ. *Edwardian Studies*†.

English Association: 1 Priory Gardens, London, W4 1TT; f. 1906 to promote the knowledge and appreciation of the English language and of English literature and to uphold the standards of written and spoken English; 2,000 mems.; Chair. Prof. Roger Sharrock; Pres. Dr. R. W. Burchfield; Sec. Lt.-Col. R. T. Brain; publs. *English* (3 a year), *Essays and Studies, The Year's Work in English Studies.*

English Speaking Board (International) Ltd.: 32 Roe Lane, Southport, Merseyside, PR9 9EA; f. 1953; brings together people from educational, professional and industrial spheres who are concerned with oral education as a means of communication; individual and corporate mems. in 34 countries; arranges lectures, courses, etc.; examinations in spoken English for higher education students, certificates and diplomas awarded to teachers, professional speakers; Chair. Gerard Meath; Dir. Christabel Burniston; publ. *Spoken English* (3 a year).

Francis Bacon Society Inc., The: Reg. Office: Canonbury Tower, Islington, London, N.1; f. 1886; to study works and life of Francis Bacon and evidence in respect of the authorship of the plays attributed to Shakespeare; Pres. Commdr. Martin Pares; Chair. Noel Fermor; publ. *Baconiana* (periodically).

Hopkins Society: 114 Mount St., London, W1Y 6AH; f. 1969; to stimulate interest in the poet's life and work, and to enable readers and researchers to keep up with the developments in Hopkins Studies; Pres. Prof. N. H. MacKenzie; Exec. Chair. Dr. A. Thomas, S.J.; publs. *Hopkins Research Bulletin, Annual lecture, Annual sermon.*

Institute of Linguists: 24A Highbury Grove, London, N5 2EA; f. 1910; professional body for practising linguists; conducts examinations in foreign languages, and in English for speakers of other languages; incorporates Translators' Guild; over 5,000 mems.; library of *c.* 6,000 vols.; Pres. Miss M. C. Glasgow, C.B.E.; Chair. Prof. P. P. Newark; publs. *The Incorporated Linguist* (quarterly), *Translators' Guild Newsletter* (quarterly).

Institute of Scientific and Technical Communicators Ltd.: 17 Bluebridge Ave., Brookman's Park, Hatfield, Herts.; f. 1972 to strengthen by amalgamation the activities of the Presentation of Technical Information Group, the Institution of Technical Authors and Illustrators and the Institute of Technical Publicity and Publications; concerned with the theory and practice of scientific and technical communication; 1,300 mems.; Pres. R. G. Martyr; Sec. Mrs. Eileen Parkinson.

Johnson Society of London: f. 1928 to study the life and works of Dr. Johnson and the period in which he lived; Pres. Dr. L. F. Powell, D.LITT., F.R.S.L., F.L.A.; Hon. Sec. Rev. F. M. Hodgess Roper, The Manse, Tower Rd., Hindhead, Surrey, GU26 6SU; publ. *The New Rambler* (3 a year).

Kipling Society: 18 Northumberland Ave., London, W.C.2; f. 1927 to honour and extend the influence of the writer and to publish a magazine for Kipling lovers; 900 mems.; Hon. Sec. John Shearman; publ. *The Kipling Journal* (quarterly).

Malone Society: f. 1906 for the study of early English drama; Hon. Sec. Miss K. M. Lea, 2 Church St., Beckley, Oxford.

Modern Language Association: 24A Highbury Grove, London, N5 2EA; f. 1893 to assist teachers and students of modern languages, and to secure due recognition for modern languages as instruments of general educational and cultural value; incorporates Association of Teachers of German; 3,000 mems.; Hon. Sec. (vacant); publs. *Modern Languages* (quarterly), *Treffpunkt* (3 a year).

Philological Society: School of Oriental and African Studies, University of London, WC1E 7HP; f. 1842, inc. 1879, to investigate and promote the study and knowledge of the structure, affinities, and history of languages; 695 mems.; Pres. Prof. Anna M. Davies, M.A.; Secs. Prof. R. H. Robins, M.A., D.LIT., J. H. W. Penney, M.A., D.PHIL.; publ. *Transactions* (annual).

Poetry Society: 21 Earls Court Square, London, S.W.5; f. 1909 to promote the study and appreciation of poetry; poetry readings and other events; 15,000 vols. in library; Gen. Sec. Michael Beckerman; Education Sec. Marius Kociejowski; publs. *The Poetry Review, Soundings.*

Royal Society of Literature of the United Kingdom: 1 Hyde Park Gardens, London, W.2; f. 1823; lectures and poetry readings; 600 fellows and mems.; Pres. Rt. Hon. Lord Butler, C.H., P.C.; Chair. C. M. Woodhouse; Sec. Mrs. J. M. Patterson; publs. *Transactions, Report,* Special Editions.

Shaviana: High Orchard, 125 Markyate Rd., Dagenham, Essex; f. 1941 to promote a wider interest in and clearer understanding of Bernard Shaw's life and work; Sec. Eric Ford; publs. *The Shavian*†, *Shavian Tracts,* occasional papers.

Society for the Promotion of Hellenic Studies: 31–34 Gordon Square, London, WC1H 0PP; f. 1879; 2,800 mems.; Pres. Prof. G. S. Kirk, F.B.A.; Hon. Sec. Prof. R. P. Winnington-Ingram, F.B.A.; publ. *Journal of Hellenic Studies*; library: *see* Libraries.

Society for the Promotion of Roman Studies: 31–34 Gordon Square, London, WC1H 0PP; f. 1911; 3,441 mems.; Pres. Prof. A. L. F. Rivet, F.S.A.; publs. *Journal of Roman Studies, Britannia*; library: *see* Libraries.

Society for the Study of Medieval Languages and Literature: f. 1932; Pres. Prof. N. Davis; Sec. A. V. C. Schmidt, Balliol College, Oxford; publs. *Medium Ævum* (2 a year), monographs (occasional).

Society of Authors: 84 Drayton Gardens, London, SW10 9SD; f. 1884 by Sir Walter Besant, to protect the rights and interests of authors; 3,500 mems.; Pres. Sir Victor Pritchett, C.B.E., F.R.S.L.; Gen. Sec. David Machin; publ. *The Author* (quarterly).

H. G. Wells Society: 24 Wellin Lane, Edwalton, Nottingham; f. 1960 to promote an active interest in and an appreciation of the life, work and thought of H. G. Wells; Sec. J. R. Hammond; publ. *Newsletter*†, *Wellsian*†.

MEDICINE

Anatomical Society of Great Britain and Ireland: f. 1887; *c.* 600 mems.; Pres. Prof. R. J. HARRISON, M.A., D.SC., M.D., F.R.S.; Hon. Sec. Prof. R. L. HOLMES, PH.D., D.SC., Dept. of Anatomy, University of Leeds; Programme Sec. Dr. D. J. RICHES, Dept. of Anatomy, Charing Cross Hospital Medical School, Fulham Palace Rd., London, W6 8RF; publ. *Journal of Anatomy.*

Association for the Study of Medical Education: 150B Perth Rd., Dundee, DD1 4EA; f. 1957 to exchange information and promote research into medical education; over 800 mems.; Pres. Sir JOHN RICHARDSON; Chair. Prof. Sir GEORGE SMART; Gen. Sec. Prof. R. M. HARDEN; publs. *Medical Education* (every 2 months), *Medical Education Booklets, Annual Report.*

Association of Anaesthetists of Great Britain and Ireland: Room 475/478, Tavistock House South, Tavistock Square, London, WC1H 9LG; f. 1932 to promote the development and study of anaesthetics and their administration and to maintain the high standard of this branch of medicine; 3,600 mems.; Pres. Dr. C. F. SCURR; Hon. Sec. Dr. M. ROSEN; publ. *Anaesthesia.*

Association of British Neurologists: c/o The National Hospital, Queen Sq., London, W.C.1; f. 1933; 190 mems.; Pres. Dr. W. W. GOODDY; Hon. Sec. Prof. P. K. THOMAS.

Association of Surgeons of Great Britain and Ireland: at The Royal College of Surgeons, Lincoln's Inn Fields, London, WC2A 3PN; f. 1920 for the advancement of the science and art of surgery; Pres. A. B. BIRT, F.R.C.S.; Hon. Sec. ADRIAN MARSTON, D.M., M.CH., F.R.C.S.

British Association for Rheumatology and Rehabilitation: 11 St. Andrew's Place, London, NW1 4LE; f. 1943 to promote the development of rheumatology, and to develop and promote expertise in rehabilitation; 510 mems.; Pres. Prof. V. WRIGHT; Hon. Sec. Dr. M. CORBETT; publ. *Rheumatology and Rehabilitation* (quarterly).

British Dental Association: 63/64 Wimpole St., London, W1M 8AL; f. 1880 as a professional assсn.; *c.* 13,000 mems.; library of 10,000 vols.; Sec. R. B. ALLEN, B.CH.D., F.D.S.R.C.S.; Librarian Miss E. M. SPENCER, M.B.E., B.A., A.L.A.; publ. *British Dental Journal* (twice monthly).

British Diabetic Association: 10 Queen Anne St., London, W1M 0BD; f. 1934 to provide an organization for the benefit of and service to diabetics and others interested in diabetes, and to promote the study of the causes thereof and the diffusion of information concerning the same; 57,000 mems.; Chair. of Exec. Council Dr. C. HARDWICK, F.R.C.P.; Sec.-Gen. R. L. ALLARD; publ. *Balance Newspaper* (every two months).

British Dietetic Association: Daimler House, 305 Paradise St., Birmingham, B1 2BJ; f. 1936; 1,880 mems.; Chair. Miss P. J. BRERETON, S.R.D.; Sec. Miss M. B. COLEMAN; publ. *Nutrition* (6 times a year).

British Geriatrics Society: f. 1947 to improve standards of medical care for elderly patients and to encourage research in the problems of old age; over 800 mems.; Pres. Prof. Sir FERGUSON ANDERSON; Hon. Sec. Dr. M. J. DENHAM, c/o Bernard Sunley House, 60 Pitcairn Rd., Mitcham, Surrey, CR4 3LL; publ. *Age and Ageing.*

British Institute of Radiology: 32 Welbeck St., London, W1M 7PG; f. 1927; forms a centre for consultation on the medical, physical and biological applications of radiology; Current and Historic Radiological Library; 1,950 mems.; Pres. W. M. ROSS, T.D., D.L., M.D., F.R.C.S., F.R.C.R.; Gen. Sec. Miss B. BASHFORD; publ. *The British Journal of Radiology.*

British Institute of Surgical Technologists: 21 Tothill St., Westminster, London, SW1H 9LP; f. 1935; 1,750 mems.; Pres. H. JACKSON BURROWS, C.B.E., F.R.C.S.; Chair. G. MAURICE DOWN, O.B.E., F.B.I.S.T.; Sec. R. NUNN; publ. *Journal* (annual).

British Medical Association: Tavistock Square, London, WC1H 9JP; f. 1832; 64,000 mems.; Pres. Prof. W. LINFORD REES, M.D., F.R.C.P., F.R.C.PSYCH., D.P.M.; Chair. of Council J. C. CAMERON, C.B.E., T.D.; Sec. E. GREY-TURNER, M.C., T.D., M.A., M.R.C.S., L.R.C.P.; Nuffield Library of 90,000 vols.; publs. *British Medical Journal* (weekly), and numerous journals on specialized medical subjects.

British Nutrition Foundation: 15 Belgrave Sq., London, SW1X 8PS; f. 1967; Pres. Sir DAVID CUTHBERTSON, C.B.E., D.SC., M.D., F.R.C.P.E., F.R.S.E.; Dir.-Gen. Dr. M. R. TURNER, M.SC., PH.D.; Sec. P. M. VICTORY, O.B.E., M.C.; publ. *Bulletin*† (four-monthly).

British Optical Association: 65 Brook Street, London, W1Y 2DT; f. 1895 for the encouragement of the science of optics and its application to the improvement of human vision; 5,000 mems.; library of 10,000 vols.; Pres. H. A. VALLIS, F.B.O.A.; Sec. P. A. SMITH, F.B.O.A., A.M.C.T.; Librarian Miss J. M. TAYLOR, B.A., A.L.A.; publs. *British Journal of Physiological Optics*† (3 a year), *Ophthalmic Optician*† (fortnightly).

British Orthopaedic Association: c/o The Royal College of Surgeons, 35-43 Lincoln's Inn Fields, London, WC2A 3PN; f. 1918; the advancement of the science and art of orthopaedic surgery; 1,600 mems.; Pres. G. C. LLOYD-ROBERTS, M.CHIR., F.R.C.S.; Hon. Sec. A. CATTERALL, M.CHIR., F.R.C.S.; publ. *Journal of Bone and Joint Surgery.*

British Paediatric Association: 23 Queen Square, London, WC1N 3AZ; f. 1928 to advance the study of child health and paediatrics; 1,023 mems.; Pres. Prof. O. H. WOLFF, M.A., M.D., F.R.C.P., D.C.H.; Hon. Sec. Prof. JUNE K. LLOYD, M.D., F.R.C.P., D.P.H.

British Pharmacological Society: c/o Department of Pharmacology, Royal College of Surgeons, Lincoln's Inn Fields, London, WC1A 3PN; f. 1931; 1,339 mems.; Gen. Sec. Prof. G. P. LEWIS; publs. *British Journal of Pharmacology, British Journal of Clinical Pharmacology.*

British Psychoanalytical Society: 63 New Cavendish St., London, W.1; f. 1913 for the advancement of psychoanalysis as a science; 360 mems.; library of 11,000 vols.; Pres. Dr. H. SEGAL, M.B., CH.B., F.R.C.PSYCH.; Hon. Sec. Dr. S. AMBACHE, M.B., B.CH., M.R.C.S., L.R.C.P., M.R.C.G.P.; publs. *The International Journal of Psycho-Analysis* (quarterly), *The International Review of Psychoanalysis* (quarterly).

British Society for the Study of Orthodontics: Hon. Sec. R. W. WILLCOCKS, Regional Orthodontic Centre, Whipps Cross Hospital, London, E11 1NR; f. 1907; 770 mems.; Pres. J. T. COOK.

British Society of Gastroenterology: Secretariat, Dept. of Surgery, University College Hospital, The Rayne Institute, 5 University St., WC1E 6JJ; 850 mems.; Pres. Dr. W. SIRCUS, Hon. Secs. Dr. D. E. BARNARDO, Prof. M. HOBSLEY.

Cancer Research Campaign: 2 Carlton House Terrace, London, SW1Y 5AR; f. 1923 as British Empire Cancer Campaign for Research with the object of attacking and defeating the disease of cancer in all its forms by research into its causes, distribution, symptoms, pathology and cure; Pres. H.R.H. The Duke of GLOUCESTER; Sec.-Gen. Brig. K. D. GRIBBIN, M.B.E., M.A.; publs. *British Journal of Cancer* (monthly), *Annual Report.*

Central Council of Physical Recreation: 70 Brompton Rd., London, SW3 1HE; f. 1935 to formulate and promote measures to improve and develop sport and physical recreation; Pres. H.R.H. The Prince Philip, Duke of Edinburgh, K.G., P.C., K.T., O.M., G.B.E.; Chair. of Exec. Cttee. Mrs. M. A. Glen Haig, C.B.E.; Gen. Sec. Peter Lawson.

Sports Council: 70 Brompton Rd., London, SW3 1EX; established by Royal Charter, 1972; objects are to foster the knowledge and practice of sport and physical recreation among the public at large and the provision of facilities therefor, building upon the work in this field of the Central Council of Physical Recreation and others; 9 autonomous Regional Sports Centres advise the Sports Council and local authorities on regional priorities for sports facilities; Chair. R. E. G. Jeeps; Dir. Emlyn Jones; publ. *Sport and Recreation*† (quarterly).

Chartered Society of Physiotherapy: 14 Bedford Row, London, WC1R 4ED; f. 1895, inc. by Royal Charter 1920, to improve the training, education, and professional status of persons engaged in the practice of massage, remedial exercise, electrotherapy, etc.; 23,000 mems.; Pres. Baroness Masham of Ilton; Chair. of Council Miss M. A. Stewart, F.C.S.P., DIP.T.P.; Sec. R. J. S. Bryant, LL.B., A.C.I.S., F.H.A.; publ. *Physiotherapy* (monthly).

Chest, Heart and Stroke Association, The: Tavistock House North, Tavistock Square, London, WC1H 9JE; f. 1899; for the prevention of chest, heart and stroke illnesses, through research, education and rehabilitation; Chair. of Council The Rt. Hon. Lord Hill of Luton, M.D.; Dir.-Gen. Air Marshal Sir Ernest Sidey, K.B.E., C.B., M.D., F.F.C.M., D.P.H.; publs. *The Chest, Heart and Stroke Journal* (quarterly), *Hope* (quarterly).

Harveian Society of London: 11 Chandos St., London, W.1; f. 1831 to promote the advance of medical science; 450 mems.; Pres. Sir Cyril Clarke, K.B.E., M.D., F.R.C.P., F.R.S.; Hon. Sec. Sydney Selwyn, M.D., M.R.C.PATH., M.I.BIOL.

Health Education Council: 78 New Oxford St., London, WC1A 1AH; f. 1968; to co-ordinate and develop programmes of health education in England, Wales and Northern Ireland; provides advisory services for statutory, voluntary, industrial and commercial organizations, authorities and teachers, etc. on health education, media and research methodology; resource centre, library and information facilities; Chair. Sir George Godber, G.C.B., D.M., F.R.C.P., F.R.C.O.G., F.F.C.M.; Dir.-Gen. A. C. L. Mackie, C.B.E., D.F.C.; publ. *Health Education Journal* (quarterly).

Heberden Society: c/o The Arthritis and Rheumatism Council, Faraday House, 8 Charing Cross Road, London, WC2H 0HN; f. 1936; a clinical and scientific society for the advancement of the study of the rheumatic diseases; 600 mems.; Pres. Dr. J. Ball, M.D., F.R.C.PATH.; Gen. Sec. M. C. G. Andrews.

Hunterian Society: f. 1819; 450 mems.; Secs. Dr. Anne Jepson, 46 Brondesbury Park, London, N.W.6, Dr. W. J. C. Currie, Clinical Dept., The Wellcome Foundation Ltd., Rowens Lane, Berkhamsted, Herts.; publ. *Transactions* (every 2 years).

Institute of Medical Laboratory Sciences: 12 Queen Anne St., London, W1M 0AU; inc. 1942 to act as a professional body for practitioners of medical laboratory sciences, the Institute awards advanced qualifications in medical laboratory sciences; 15,500 mems.; Pres. F. J. Baker, O.B.E., F.I.M.L.S.; Sec. J. K. Fawcett, F.C.I.S., F.I.M.L.S.; publs. *Medical Laboratory Sciences* (quarterly), *The Gazette of the Institute of Medical Laboratory Sciences* (monthly).

Listerian Society of King's College Hospital: King's College Hospital, Denmark Hill, London, S.E.5; f. 1833 as King's College Medical Society; renamed Listerian Society 1912 on the death of Lord Lister.

Medical Society for the Study of Venereal Diseases: 11 Chandos St., Cavendish Square, London, W1M 0EB; f. 1922; 450 mems.; Pres. Dr. E. M. C. Dunlop; Sec. Dr. J. Barrow; publ. *The British Journal of Venereal Diseases* (6 a year).

Medical Society of London: 11 Chandos St., London, W.1; f. 1773; library of 35,000 vols.; Pres. Sir Francis Avery Jones, C.B.E., M.D., F.R.C.P.; Hon. Secs. John Newcombe, M.CHIR., F.R.C.S., F. Clifford Rose, M.B., F.R.C.P.; Registrar and Librarian Maj. H. R. Mitchell, T.D.

Medico-Legal Society: 71 Great Russell St., London, W.C.1; f. *c.* 1900; approx. 650 mems.; Pres. Dr. Roy Goulding, M.D., B.SC., F.R.C.P.; Hon. Secs. James F. Barnes, M.A., M. Rufus Crompton, M.D., PH.D., F.R.C.PATH., D.M.J.; publ. *The Medico-Legal Journal* (quarterly).

MIND (National Association for Mental Health): 22 Harley St., London, W1N 2ED; f. 1946 to promote mental health and aid the mentally disordered; 1,520 mems. and 290 affiliated bodies; Pres. The Rt. Hon. Lord Butler, K.G., C.H.; Chair. Charles Clark; Dir. Tony Smythe; publs. *Mind Out* (six a year), *Information Bulletin* (ten a year), occasional booklets and leaflets.

Nutrition Society: Chandos House, 2 Queen Anne St., London, W1M 9LE; f. 1941 to advance the scientific study of nutrition and its application to the maintenance of human and animal health; over 1,000 mems.; Pres. Elsie M. Widdowson, D.SC., F.R.S.; publs. *Proceedings*, *British Journal of Nutrition.*

Ophthalmological Society of the United Kingdom: at the Royal College of Surgeons, 35–43 Lincoln's Inn Fields, London, WC2A 3PN; f. 1880 for the cultivation and promotion of ophthalmology; approx. 1,500 mems.; Pres. M. J. Roper-Hall, C.L.M., F.R.C.S.; Hon. Secs. A. D. McG. Steele, F.R.C.S., J. S. Shilling, F.R.C.S.; publ. *Transactions* (4 parts per year).

Pathological Society of Great Britain and Ireland: c/o Dept. of Medical Microbiology, University of Sheffield Medical School, Beech Hill Rd., Sheffield, S10 2RX; f. 1906; 1,600 mems.; Secs. Prof. M. G. McEntegart (above address), Prof. A. M. Neville; publs. *Journal of Pathology* and *Journal of Medical Microbiology.*

Pharmaceutical Society of Great Britain: 1 Lambeth High St., London, SE1 7JN; f. 1841; 1,886 fellows, 29,015 mems.; library of 45,750 vols. and 13,235 pamphlets and MSS.; Pres. J. E. Balmford, M.P.S.; Sec. and Registrar D. F. Lewis, O.B.E., F.P.S.; publs. *The Pharmaceutical Journal* (weekly), *Journal of Pharmacy and Pharmacology* (monthly), *The Pharmaceutical Society's Calendar* (annual), *Annual Register of Pharmaceutical Chemists, British Pharmaceutical Codex, Pharmacy, Law and Ethics, Martindale* (*The Extra Pharmacopoeia*), *The Pharmaceutical Handbook* (occasional), *British Pharmacopoeia* (for Medicines Commission), *Isolation and Identification of Drugs, etc.*, and *British National Formulary* (published jointly with the British Medical Association), *Medicines and Poisons Guide.*

Royal Association for Disability and Rehabilitation: 25 Mortimer St., London, W1N 8AB; f. 1977; covers the whole field of rehabilitation; a co-ordinating organization concerned with the environmental problems of disabled people; Chair. His Grace the Duke of Buccleuch; Dir. George Wilson; publs. *Contact* (quarterly), *Bulletin* (monthly).

Royal College of General Practitioners: 14 Princes Gate, London, S.W.7; f. 1952 to ensure the highest possible standards in general practice; 8,200 mems.; Pres. Dr. E. V. Kuenssberg, C.B.E., P.R.C.G.P.; Chair. Dr. M. L.

Linnett, O.B.E., F.R.C.G.P.; Hon. Sec. Dr. D. H. Irvine, M.D., F.R.C.G.P.; Admin. Sec. James Wood, D.S.C.

Royal College of Obstetricians and Gynaecologists: 27 Sussex Place, Regent's Park, London, NW1 4RG; f. 1929; 6,000 mems.; library of 10,000 vols.; Pres. Prof. E. A. J. Alment, F.R.C.O.G., M.R.C.S., L.R.C.P.; Sec. D. B. Lloyd, A.C.C.A.; publ. *British Journal of Obstetrics and Gynaecology*† (monthly).

Royal College of Physicians: 11 St. Andrew's Place, London, NW1 4LE; f. 1518; membership consists of Fellows, Members and Licentiates; Pres. Sir Douglas Black, M.D., P.R.C.P.; Registrar David A. Pyke, M.D., F.R.C.P.; Sec. G. M. G. Tibbs, M.A.; publ. *Journal*; library: *see* Libraries.

Royal College of Physicians and Surgeons of Glasgow: 242 St. Vincent St., Glasgow, G2 5RJ; f. 1599; a medical licensing corporation; 2,000 Fellows in Dental Surgery and mems.; Pres. A. W. Kay, F.R.C.S. (GLASG.).; Hon. Sec. Dr. T. J. Thomson, F.R.C.P. (GLASG.).

Royal College of Physicians of Edinburgh: 9 Queen St., Edinburgh, EH2 1JQ; f. 1681; Sec. Dr. D. H. A. Boyd; library: *see* Libraries.

Royal College of Psychiatrists: 17 Belgrave Square, London, SW1X 8PG; f. 1971 by Charter, previously Royal Medico-Psychological Association, f. 1841 to advance the science and practice of psychiatry and further education therein; special sections for Mental Deficiency, Psychotherapy, Child Psychiatry, Psychiatry of Old Age, Forensic Psychiatry; 4,000 Fellows and mems., 1,000 affiliates; Pres. Prof. Desmond Pond, P.R.C.PSYCH; Registrar G. C. Timbury, F.R.C.PSYCH.; publs. *British Journal of Psychiatry* and Special Publications.

Royal College of Radiologists: 28 Portland Place, London, W1N 4DE; f. 1939 as the Faculty of Radiologists; practice of radiology; 2,400 mems.; Pres. Prof. R. E. Steiner; Registrar Dr. E. R. Davies; publ. *Clinical Radiology* (quarterly).

Royal College of Surgeons of Edinburgh: 18 Nicolson St., Edinburgh; f. 1505; Pres. Prof. A. W. Wilkinson, CH.M., F.R.C.S.(E.), F.R.C.S.; Hon. Sec. A. C. B. Dean, CH.M., F.R.C.S.(E.), F.R.C.S.; Hon. Librarian I. Simson Hall, F.R.C.S.(E.); Conservator Dr. A. A. Shivas, F.R.C.S.(E.); publ. *Journal* (bi-monthly).

Royal College of Surgeons of England: 35–43 Lincoln's Inn Fields, London, WC2A 3PN; f. 1800; 13,000 Fellows, 25,000 mems., 500 students; Pres. Reginald Murley, T.D., M.S., F.R.C.S.; Sec. R. S. Johnson-Gilbert, O.B.E., M.A.; publs. *Annals* (every 2 months), *Handbook* (occasional), *Almanack*; Nuffield College of Surgical Sciences for postgraduate students f. 1957.

Royal Institute of Public Health and Hygiene, The: 28 Portland Place, London, W1N 4DE; f. as R.I.P.H. 1886, I.H. 1903, amalgamated 1937; approx. 2,850 mems.; Chief Exec. A. R. Horsham, F.C.I.S.; publ. *Health and Hygiene* (quarterly).

Royal Medical Society: Students' Centre, Bristo St., Edinburgh, EH8 9AL; f. 1737; 900 mems.; library of 2,000 vols.; Pres. Dr. E. Duvall; Sec. G. C. Foubister.

Royal Society of Health: 13 Grosvenor Place, London, SW1X 7EN; f. 1876 to promote the health of the people; Patron H.M. The Queen; Sec. A. H. Vermeulen (acting); publ. *Journal* (every two months).

Royal Society of Medicine: 1 Wimpole St., London, W1M 8AE; f. 1805; first Royal Charter 1834, supplemental Charter 1907; world-wide membership, over 17,000; library: *see* Libraries; 34 Sections cover whole field of medicine and surgery; Photographic Unit making motion films and stills; External Relations Office to promote international relations in medicine; Pres. Sir Rodney Smith, K.B.E., M.S.; Exec. Dir. R. T. Hewitt, O.B.E., M.A.; publs. *Calendar* (annual), *Annual Report*, *Journal* (monthly), *Tropical Doctor* (quarterly), special conference and symposia reports (annually).

Royal Society of Tropical Medicine and Hygiene: Manson House, 26 Portland Place, London, W1N 4EY; f. 1907 for the stimulation of inquiry and research into causes, treatment, and prevention of human and animal diseases in warm climates; 2,850 mems.; Pres. Dr. Stanley G. Browne, C.M.G., O.B.E., M.D., F.R.C.P., F.R.C.S., D.T.M., F.K.C.; Hon. Secs. Dr. P. E. C. Manson-Bahr, M.D., F.R.C.P., D.T.M. & H. and Dr. D. I. H. Simpson, M.D., M.R.C.PATH.; publs. *Transactions* (6 a year), *Year Book*.

St. John's Hospital Dermatological Society (incorporating The London Dermatological Society): Lisle St., Leicester Square, London, WC2H 7BJ; meeting at St. John's Hospital for Diseases of the Skin; f. 1911 to promote the knowledge and study of dermatology by showing and discussion of rare and interesting cases; 500 Fellows; Pres. Prof. E. Wilson Jones; Hon. Sec. Dr. G. M. Levene; publ. *Clinical and Experimental Dermatology* (quarterly).

Society for Endocrinology: Clinical Research Centre, Watford Rd., Harrow, Middx., HA1 3UJ; f. 1946 to promote the advance of endocrinology by observational, experimental or clinical studies; 1,100 mems., including 19 hon. mems.; Chair. R. Short; Hon. Secs. Lesley Rees, K. E. Kirkham; Hon. Treas. J. G. Phillips; publ. *Journal of Endocrinology* (monthly).

Society of British Neurological Surgeons: c/o Neurosurgical Unit, Middlesbrough General Hospital, Ayresome Green Lane, Middlesbrough, Cleveland; f. 1926; 370 mems.; Pres. Jack Small; Hon. Sec. Patrick Clarke; publ. *Proceedings* (in *Journal of Neurology, Neurosurgery and Psychiatry*).

Society of Community Medicine, The: 28 Portland Place, London, W1N 4DE; f. 1856 for the advancement of public health in every branch, and of the knowledge and interests of the public health service; approx. 1,200 mems.; Pres. Dr. W. T. Orton, M.B., CH.B., M.F.C.M., D.P.H.; Admin. Sec. Miss W. A. Webb, B.SC.; publ. *Public Health* (bi-monthly).

Society of Occupational Medicine: 11 St. Andrew's Place, London, NW1 4LE; f. 1935 as the Association of Industrial Medical Officers; aims to improve the health of people at work and to promote and stimulate research and education in the field of occupational health; 1,420 mems.; Pres. Dr. R. H. R. Aston, M.D., D.I.H.; Hon. Sec. D. M. Bruton, M.SC., M.B., B.S., D.I.H.; publ. *Journal of the Society of Occupational Medicine* (quarterly).

Tavistock Institute of Medical Psychology: Tavistock Centre, Belsize Lane, London, NW3 5BA; f. 1920; promotes the study and practice of psychotherapy and sponsors research and preventive measures in the field of mental health; offers assistance to those undertaking training in psychotherapy at the Tavistock Clinic; Sec. S. G. Gray, F.C.I.S., F.C.I.I.

Worshipful Society of Apothecaries of London: Apothecaries' Hall, Black Friars Lane, London, EC4V 6EJ; f. 1617 by King James I; grants a registrable medical qualification (L.M.S.S.A. Lond.), also the post-graduate diplomas in Industrial Health (D.I.H.), in Medical Jurisprudence (D.M.J.), in Venereology (Dip. Ven. S.A.) and in History and Philosophy of Medicine (D.H.M.S.A.) and a certificate for pharmacy technicians; 1,300 mems.; Master P. H. Willcox, M.D., F.R.C.P., L.M.S.S.A.; Clerk Maj. J. C. O'Leary, A.M.B.I.M.; Registrar D. H. C. Barrie.

NATURAL SCIENCES

General

Association for Science Education: College Lane, Hatfield, Herts., AL10 9AA; aims to improve science teaching and to provide a medium of expression for science teachers; 15,000 mems.; Gen. Sec. B. G. ATWOOD; publs. *The School Science Review, Education in Science.*

British Association for the Advancement of Science: Fortress House, Savile Row, London, W.1; f. 1831; national institution offering membership to all; aims to promote a more general interest and understanding of the concepts, language, methods, and applications of science; 2,000 mems.; Pres. (1978/79) Lord KEARTON, O.B.E., F.R.S.; Gen. Secs. Prof. M. J. FRAZER, Dr. J. G. COLLINGWOOD; Sec. Sir IEUAN MADDOCK, C.B., O.B.E., F.R.S.; publ. *B. A. Record* (quarterly).

British Society for Social Responsibility in Science: 9 Poland St., London, WC1V 3DG; f. 1969; to stimulate amongst scientists and the public an awareness of the social, political and economic implications and consequences of scientific development; 600 mems.; publs. *Science for People*† (quarterly), *Hazards Bulletin* (every 2 months).

British Society for the History of Science: Halfpenny Furze, Mill Lane, Chalfont St. Giles, Bucks., HP8 4NR; f. 1946; 525 mems.; Pres. Dr. W. H. BROCK; publ. *British Journal for the History of Science* (3 a year).

British Society for the Philosophy of Science: f. 1948 to study the logic, the methods, and the philosophy of science, including the social sciences; 350 mems.; Pres. L. J. COHEN; Sec. ALISTAIR YOUNG, School of Social Sciences, University of Sussex, Falmer, Brighton, BN1 9QN; publ. *The British Journal for the Philosophy of Science* (quarterly).

Cambridge Philosophical Society: Bene't St., Cambridge; f. 1819 to promote scientific enquiry and to facilitate the communication of facts connected with the advancement of science; 1,450 mems.; library of 60,000 vols., mainly periodicals, covering most branches of science, but especially mathematics, physics and general biology; Exec. Sec. Miss J. M. WINTON THOMAS; Librarian Miss E. A. STOW, M.A., A.L.A.; publs. *Mathematical Proceedings*† (6 a year), *Biological Reviews*† (quarterly).

Council for Nature: Zoological Gardens, Regent's Park, London, NW1 4RY; f. 1958; natural history and conservation movement; mems.: 300 orgs., 1,500 individuals; Chair. Capt. Sir THOMAS BARLOW, R.N.; publs. information sheets, *Habitat* (10 a year).

Field Studies Council: Preston Montford, Montford Bridge, Shrewsbury, SY4 1HW; f. 1943 to provide facilities for every aspect of field work and to set up for this purpose field study and research centres in localities selected for the richness and variety of their ecological features and their geological, geographical, archaeological and artistic interest; ten field centres are at present in operation; approx. 4,500 mems.; Pres. Prof. W. F. GRIMES, C.B.E., M.A., D.LITT., F.S.A.; Chair. FYFE GILLIES, B.SC., LL.B.; Dir. C. A. SINKER, M.A.; publs. *Programmes of Courses, Annual Report, Field Studies* (annually).

Institute of Information Scientists: 657 High Rd., Tottenham, London, N17 8AA; f. 1958; 1,400 mems.; Pres. J. W. BARRETT, C.B.E., PH.D., F.R.I.C.; Sec. M. G. HOWES; publ. *The Information Scientist* (quarterly).

London Natural History Society: f. 1858 for the study of natural history, archaeology and kindred subjects, especially within a radius of 20 miles from St. Paul's Cathedral; library of 3,000 vols.; 1,100 mems.; Sec. J. B. CRESSWELL, 142 Harborough Rd., London, SW16 2XW; publs. *The London Naturalist, The London Bird Report* (both annual).

Ray Society: c/o British Museum (Natural History), Cromwell Rd., London, SW7 5BD; f. 1844 to publish works primarily concerned with the natural history of the British Isles; 350 mems.; 151 vols. published; Pres. F. J. BINGLEY, M.A., F.L.S.; Hon. Sec. Dr. G. A. BOXSHALL.

Scottish Field Studies Association: Braefoot, 158 Craigcrook Rd., Edinburgh, EH4 3PP; f. 1945; provides residential facilities for scientific field work and organizes courses at the Association's Kindrogan Field Centre in Perthshire and at other places in Scotland; 400 mems.; Chair. Prof. J. T. COPPOCK, M.A., PH.D.; publs. *Annual Report*, programmes of courses.

Society for the Promotion of Nature Conservation: The Green, Nettleham, Lincoln, LN2 2NR; f. 1912; inc. by Royal Charter 1916 and 1976, for the collection of information about areas of scientific importance, in the United Kingdom or elsewhere in the British Commonwealth; for the establishment of nature reserves; for the education of public opinion on the value and conservation of nature; acts as the national association of the 40 voluntary County Trusts for Nature Conservation in Britain with over 100,000 mems.; Pres. J. CHRISTOPHER CADBURY, C.B.E.; Gen. Sec. A. E. SMITH, O.B.E.; publs. annual report, *Conservation Review* (twice yearly).

South-Eastern Union of Scientific Societies: 53 The Drive, Shoreham-by-Sea, Sussex; f. 1896; unites some 70 natural history and archaeological societies in 12 counties; Pres. Dr. MAURICE BURTON, F.L.S.; Sec. F. EDWARDS, F.L.S., F.PH.S.; publ. *South-Eastern Naturalist and Antiquary* (occasional).

Biological Sciences

Association for the Study of Animal Behaviour: f. 1936; 800 mems.; Pres. P. P. G. BATESON, M.A., PH.D.; Sec. Dr. R. F. DREWETT, Dept. of Psychology, University of Durham, DH1 3HP; publ. *Animal Behaviour.*

Association of Applied Biologists: f. 1904 to promote the study and advancement of all branches of biology, with special reference to their applied aspects; approx. 1,500 mems.; Pres. Prof. J. M. HIRST, F.R.S.; Hon. Sec. D. GARETH JONES, PH.D., Dept. of Agricultural Botany, University College of Wales, Aberystwyth, Dyfed, SY23 3DD; publ. *Annals of Applied Biology* (bimonthly).

Botanical Society of Edinburgh: Royal Botanic Garden, Edinburgh; f. 1836; 560 mems. and Fellows; Pres. W. W. GAULD, M.A.; Hon. Gen. Sec. Dr. R. WATLING, B.SC.; Programme Sec. J. RAVEN, PH.D.; publs. *Transactions and Proceedings* (annual) and *Contemporary Botanical Thought* (series of lectures), *Newsletter.*

Botanical Society of the British Isles: c/o Dept. of Botany, British Museum (Natural History), London, SW7 5BD; f. 1836 for study of British native flowering plants and ferns; exhibitions, conferences, field meetings; 2,400 mems.; Hon. Gen. Sec. Mrs. M. BRIGGS, F.P.S., F.L.S.; publs. *Watsonia* (twice yearly), *Abstracts* (annually), *B.S.B.I. News* (3 a year).

British Biophysical Society: c/o The Biochemical Society, 7 Warwick Court, London, WC1R 5DP; f. 1960; 800 mems.; Sec. Dr. M. E. J. HOLWILL; Treas. Dr. H. C. WATSON.

British Ecological Society: f. 1913 to promote and foster education and research in the subject of ecology considered as a branch of natural science; over 3,000 mems.; Pres. P. GREIG-SMITH; Hon. Sec. J. M. CHERRETT, Dept. of Applied Zoology, University College of North Wales, Bangor, Gwynedd, LL57 2UW; publs. *Symposium* (annually), *Journal of Ecology* (thrice yearly), *Journal of Animal Ecology* (thrice yearly) and *Journal of Applied Ecology* (thrice yearly).

British Lichen Society: Sec. J. R. Laundon, F.M.A., Dept. of Botany, British Museum (Natural History), Cromwell Rd., London, SW7 5BD; f. 1958; 500 mems.; publs. *The Lichenologist, Bulletin* (each bi-annually).

British Mycological Society: f. 1896; 1,400 mems. and 125 assocs.; Sec. Dr. G. F. Pegg, Dept. of Plant Sciences, Wye College, Ashford, Kent, TN25 5AH; publs. *Transactions* (bi-monthly), *Bulletin* (half-yearly).

British Ornithologists' Union: c/o Zoological Society of London, Regent's Park, London, NW1 4RY; f. 1858 for the advancement of the science of ornithology; 1,800 ordinary mems., 15 hon. mems., 30 corresp. mems.; Pres. Sir Hugh Elliott, Bt., O.B.E., M.A.; Sec. P. J. S. Olney, B.SC.; publ. *The Ibis* (quarterly).

British Social Biology Council: 69 Eccleston Square, London, S.W.1; f. 1914 to promote and encourage the teaching of human biology as a cultural and practical subject, and to preserve and strengthen the family as the basic social unit; Sec. D. M. Jeynes; publ. *Biology and Human Affairs* (three times a year).

British Trust for Ornithology: Beech Grove, Tring, Herts.; f. 1932 to help bird-watchers of the British Isles by stimulating field research in ornithology and by acting as a clearing centre for information; administers National Bird Ringing Scheme, Nest Records Scheme, Common Birds Census, Estuaries Survey, Moult Enquiry, and enquiries into the status, distribution and habits of British birds; approx. 7,000 mems.; Pres. J. M. McMeeking; Dir. Dr. R. J. O'Conner; publs. *Bird Study* (quarterly), *B.T.O. News, Annual Report,* Field Guides, special reports.

Fauna Preservation Society, The: c/o Zoological Society of London, Regent's Park, London, NW1 4RY; f. 1903; an international society working to protect wildlife throughout the world and to save endangered species from extinction; publishes information and news about wildlife conservation throughout the world; *c.* 3,500 mems.; Pres. Prof. Lord Zuckerman; Chair. of Council Sir Peter Scott; Hon. Sec. R. S. R. Fitter; publ. *Oryx*† (3 times yearly).

Freshwater Biological Association: The Ferry House, Ambleside, Cumbria, LA22 0LP; f. 1929 to promote the investigation of the biology of the animals and plants found in fresh (including brackish) water, and to establish and maintain a laboratory or laboratories equipped with boats and other necessary apparatus for the investigation of freshwater life; 1,900 mems.; library of 55,000 books and reprints and 4,000 vols. of scientific periodicals; River Laboratory at East Stoke, Wareham, Dorset; Pres. Sir Edwin Arrowsmith, K.C.M.G.; Chair. of Council Prof. G. E. Fogg, SC.D., F.R.S.; Sec. and Dir. E. D. Le Cren, M.S., M.A., F.I.BIOL.; publs. *Annual Report*†, *Scientific Publications*†, *Occasional Publications*†.

Genetical Society: c/o M.R.C. Clinical and Population Cytogenetics Unit, Western General Hospital, Edinburgh, EH4 2XU; f. 1919; all aspects of genetics and animal and plant breeding; 976 mems.; Pres. Prof. J. R. S. Fincham, F.R.S.; Sec. Dr. Ann C. Chandley; publ. *Heredity*.

Institute of Biology: 41 Queens Gate, London, S.W.7; f. 1950 to advance the knowledge of biology; 970 Fellows, 11,000 mems.; Pres. Prof. G. E. Fogg, F.R.S.; Sec. D. J. B. Copp; publs. *Biologist, Journal of Biological Education*.

Linnean Society of London: Burlington House, Piccadilly, London, W1V 0LQ; f. 1788; *c.* 1,550 Fellows, 50 Foreign Members and 25 Hon. Fellows, 40 Associates; Pres. Dr. P. Humphry Greenwood; Secs. Dr. B. G. Gardiner (Zoology), Dr. D. F. Cutler (Botany); Exec. Sec. T. O'Grady; publs. *Botanical, Zoological and Biological Journals of the Linnean Society*; possesses the unique collection of Linnaeus's plants and animals (library: *see* Libraries).

Malacological Society of London: c/o Dept. of Science, Bristol Polytechnic, Redland Hill, Bristol, BS6 6UZ; f. 1893 to promote the study of Mollusca; 321 mems.; Pres. T. E. Thompson, D.SC.; Sec. A. Bebbington, PH.D.; publ. *Journal of Molluscan Studies* (3 a year).

Marine Biological Association of the United Kingdom: The Laboratory, Citadel Hill, Plymouth; f. 1884 to promote researches leading to the advancement of marine science in all branches of physical, chemical and biological oceanography; the Asscn. receives grants from universities and other public bodies and an annual grant-in-aid from the Natural Environment Research Council; 2,000 mems.; library of 50,000 vols.; Pres. Prof. J. Z. Young, D.SC., F.R.S.; Sec. and Dir. of Laboratory and Editor E. J. Denton, C.B.E., SC.D., F.R.S.; publs. *Journal, Marine Pollution Research Titles* (monthly).

Physiological Society: Physiological Laboratory, Downing St., Cambridge, CB2 3EG (regd. office); f. 1876 to promote the advancement of physiology and facilitate the intercourse of physiologists at home and abroad; 1,111 mems.; Secs. Dr. D. Noble, Holywell Manor, Manor Rd., Oxford, OX1 3UH, Prof. T. J. Biscoe, Dept. of Physiology, D.13, The Medical School, Bristol, BS8 1TD; publ. *Journal of Physiology* (monthly).

Royal Entomological Society of London: 41 Queens Gate, London, SW7 5HU; f. 1833; 1,600 Fellows; library of 16,000 vols.; Pres. J. D. Gillett, O.B.E., D.SC., PH.D.; Hon. Sec. P. E. S. Whalley, M.SC.; publs. *Ecological Entomology, Physiological Entomology, Systematic Entomology, Antenna* (quarterly bulletin), *Handbooks for the Identification of British Insects* (irregular).

Royal Society for the Protection of Birds: The Lodge, Sandy, Bedfordshire SG19 2DL; f. 1889, inc. 1904; 250,000 mems.; Pres. Lord Donaldson, O.B.E.; Chair. D. C. Barber; Dir. Ian Prestt; publs. *Birds* (every 3 months), *Bird Life* (every 2 months), *Annual Report,* and occasional titles.

Royal Zoological Society of Scotland: Scottish National Zoological Park, Edinburgh, EH12 6TS; f. 1909, inc. by Royal Charter 1913, for the promotion of the study of zoology and animal physiology, investigation and preservation of Scottish wild animal life, the establishment and maintenance of zoological parks or gardens in Scotland, etc.; 5,500 mems.; Pres. The Viscount of Arbuthnott; Dir. Roger J. Wheater; publs. *Annual Report, Illustrated Park Guide*.

Scottish Marine Biological Association: Dunstaffnage Marine Research Laboratory, Oban, Argyll, PA34 4AD; f. 1897 for research and education in marine science; 220 mems.; Dir. and Sec. R. I. Currie, C.B.E., B.SC., F.I.BIOL., F.R.S.E.; publs. *Annual Report, Fauna of the Clyde Sea Area*†, *Collected Reprints*†.

Selborne Society: f. 1885 to perpetuate the memory of Gilbert White of Selborne and to promote the study of natural history, especially amongst schoolchildren; 700 mems.; Hon. Sec. A. H. Austin, 10 Sunbeam Cottages, Pollards Wood Rd., Limpsfield, Oxted, Surrey, RH8 0HY; publ. *The Selborne Magazine* (quarterly).

The Systematics Association: f. 1937 to study systematics in relation to biology and evolution; Pres. Prof. A. J. Cain, M.A., D.PHIL.; Secs. G. P. Larwood, M.A., PH.D., F.G.S. (Palaeontology), Dept. of Geological Sciences, Durham Univ., Durham, F. A. Bisby, M.A., D.PHIL. (Botany); publs. works on taxonomy and classification.

Zoological Society of London: Regent's Park, London, NW1 4RY; f. 1826; 6,800 mems.; Pres. Prof. Lord Zuckerman, O.M., K.C.B., D.SC., F.R.S.; Sec. R. H.

HEDLEY, D.SC., PH.D., F.I.BIOL.; Dir. of Administration Miss E. M. OWEN, C.B.E.; Dir. of Science L. G. GOODWIN, C.M.G., F.R.C.P.; Dir. of Zoos C. G. C. RAWLINS, O.B.E., D.F.C.; publs. *Journal of Zoology*† (3 vols, annually), *Zoological Record* (annually), *Nomenclator Zoologicus* (7 vols.), *Symposia*† (irregular), *Transactions*† (irregular), *International Zoo Yearbook*† (annually). (*See* also Nuffield Laboratories of Comparative Medicine and Wellcome Laboratories of Comparative Physiology.)

Mathematics

British Computer Society: 13 Mansfield St., London, W1M 0BP; f. 1957 to promote knowledge of the development of computing machinery and related techniques, including digital and analogue machines and business and scientific applications; professional qualifications from 1968; 23,500 mems.; Sec.-Gen. D. W. HARDING; Education Officer J. SOUTHALL; publs. *Computing* (weekly), *The Computer Journal* (quarterly), *The Computer Bulletin* (quarterly).

Institute of Mathematics and its Applications: Maitland House, Warrior Square, Southend-on-Sea, Essex; f. 1964 to extend and diffuse knowledge of mathematics and of the applications of mathematics in science, engineering, economics, etc.; to promote education in mathematics; Pres. Dame KATHLEEN OLLERENSHAW; Sec. and Registrar NORMAN CLARKE; publs. *Journal of the Institute of Mathematics and its Applications* (8 a year), *Bulletin* (monthly).

Institute of Statisticians: 36 Churchgate St., Bury St. Edmunds, Suffolk, IP33 1RD; f. 1948; professional and examining body; 2,500 mems. of whom 353 are Fellows; Pres. Prof. Sir ROY ALLEN, K.B.E., M.A., D.SC.(ECON.), F.B.A.; Hon. Sec. W. BENJAMIN; publ. *The Statistician* (quarterly).

London Mathematical Society: Burlington House, London, W.1; f. 1865 for the promotion and extension of mathematical knowledge; approx. 1,200 mems.; Pres. Prof. C. T. C. WALL, F.R.S.; Hon. Secs. Dr. D. A. BRANNAN, Dr. D. B. SINGMASTER; publs. *Journal* (quarterly), *Proceedings* (quarterly), *Bulletin* (tri-annually).

Physical Sciences

Association of Public Analysts: 30 Russell Square, London, WC1B 5DT; f. 1953; Pres. Dr. L. E. COLES, PH.D., F.P.S., M.PH.A., M.CHEM.A., C.CHEM., F.R.I.C.; Hon. Sec. J. B. ALDRED, M.A., M.CHEM.A., C.CHEM., F.R.I.C., F.I.F.S.T., F.R.S.H.; publ. *Journal* (quarterly).

Biochemical Society, The: 7 Warwick Court, London, WC1R 5DP; f. 1911 for the advancement of the science of biochemistry; 5,500 mems.; Chair. Prof. R. R. PORTER, F.R.S.; Exec. Sec. A. I. P. HENTON, F.C.I.S., F.I.L.; publs. *The Biochemical Journal* (fortnightly), *The Biochemical Society Transactions*, *Clinical Science and Molecular Medicine* (in conjunction with the Medical Research Society) (monthly), *Essays in Biochemistry* (annually), *Essays in Medical Biochemistry*, *Symposia* (annually), *Careers for Biochemists*.

British Astronomical Association: Burlington House, London, W1V 0NL; f. 1890; 5,000 mems.; publs. *Journal* and *Handbook*†.

British Cryogenics Council, The: c/o Institution of Chemical Engineers, George E. Davis Bldg., 165–171 Railway Terrace, Rugby, CV21 3HQ; f. 1967 to foster and stimulate the development and application of cryogenics in Britain by means of contacts, education and research; 14 mem. socs.; Chair. A. D. APPLETON, B.SC., C.ENG., M.I.E.E.; Hon. Sec. and Hon. Treas. E. P. PEREGRINE, B.SC., F.I.MECH.E., F.I.E.E., F.I.C.E.; publ. *British Cryogenics Council Newsletter* (quarterly).

British Horological Institute: Upton Hall, Upton, Newark, Notts. NG23 5TE; f. 1885 to promote the cultivation of the science of horology; *c.* 3,500 mems.; Pres. Sir RICHARD VAN DER RIET WOOLLEY, O.B.E., M.A., SC.D., LL.D., F.R.S., F.B.H.I.; Sec. A. V. WALKER, F.B.H.I.; publ. *The Horological Journal* (monthly).

British Interplanetary Society: 27/29 South Lambeth Rd., London, S.W.8; f. 1933 to promote space research and technology by the study of appropriate subjects, e.g. astronomy, rocket technology, electronics, and the dissemination of knowledge thereon; inc. 1945; mem. International Astronautical Federation; branches in U.K. and Australia; 1,000 Fellows, 2,000 mems.; Chair. G. V. GROVES; Exec. Sec. L. J. CARTER, A.C.I.S.; publs. *Spaceflight* (monthly), *Journal* (monthly).

British Nuclear Energy Society: 1-7 Great George St., London, SW1P 3AA; f. 1962 in succession to British Nuclear Energy Conference to provide a forum for discussion, and directed to the broader aspects of nuclear energy, covering engineering and scientific disciplines; 11 constituent institutions; 1,200 mems.; publs. *Nuclear Energy* (quarterly), *Conference Proceedings*.

Chemical Society: Burlington House, London, W1V 0BN; f. 1841; inc. by Royal Charter 1848; over 44,000 Fellows, including since 1972 the membership of the Royal Institute of Chemistry, the Society for Analytical Chemistry and the Faraday Society; United Kingdom Chemical Information Service (UKCIS); Pres. Dr. T. M. SUGDEN, C.B.E., C.CHEM., F.R.I.C., F.R.S.; Gen. Sec. J. R. RUCK KEENE, C.B.E., T.D., M.A.; publs. *Chemistry in Britain* (monthly, jointly with the Royal Institute of Chemistry), *Journal of the Chemical Society (including Dalton, Faraday and Perkin Transactions and Chemical Communications)*, *Education in Chemistry*, *Russian Journal of Physical Chemistry*, *Russian Journal of Inorganic Chemistry*, *Russian Chemical Reviews*, series of *Specialist Periodical Reports;* library: *see* Libraries.

Geological Society: Burlington House, Piccadilly, London, W1V 0JU; f. 1807; 4,755 Fellows; Pres. Prof. W. S. PITCHER, D.SC., D.I.C., M.I.M.M.; Secs. Prof. M. G. AUDLEY-CHARLES, Dr. A. H. B. STRIDE; publs. *Journal of the Geological Society*†, *Quarterly Journal of Engineering Geology*†, *Newsletter*, *Special Reports*, *Special Publications*, *Memoirs*, *A. Rep.*; library: *see* Libraries.

Geologists' Association: f. 1858 to foster the progress and diffusion of the science of geology and to encourage research and the development of new methods; *c.* 2,500 mems.; Pres. A. C. BISHOP, PH.D., F.G.S.; Hon. Gen. Sec. W. J. FRENCH, PH.D., F.G.S., Geology Dept., Queen Mary College, Mile End Rd., London, E1 4NS; publs. *Proceedings* (quarterly), *Circular* (every 6 weeks).

Institute of Physics: 47 Belgrave Square, London, SW1X 8QX; f. 1918, amalgamated with the Physical Society 1960; Chartered 1970; 16,000 mems.; aims to elevate the profession of physicist and to advance and diffuse a knowledge of physics pure and applied; Pres. R. S. PEASE, SC.D., F.INST.P., F.R.S.; Hon. Sec. E. R. DOBBS, D.SC., PH.D., F.INST.P.; Sec. L. COHEN, PH.D., F.INST.P.; publs. *Reports on Progress in Physics*, *Physics Bulletin*, *Physics in Medicine and Biology*, *Physics in Technology*, *Physics Education*, and *Journal of Physics Series A to G*.

Institution of Nuclear Engineers: 1 Penerley Rd., London, SE6 2LQ; f. 1959; 2,000 mems.; Pres. J. LEWINS, PH.D.; Sec. B. YOUNGMAN; publ. *Journal* (bi-monthly).

Mineralogical Society of Great Britain and Ireland: 41 Queen's Gate, London, SW7 5HR; f. 1876; 1,000 mems.; Pres. Prof. R. A. HOWIE; Gen. Sec. Dr. D. R. C. KEMPE; publs. *Mineralogical Magazine*, *Mineralogical Abstracts*, *Clay Minerals* and monographs.

Palaeontographical Society: c/o Institute of Geological Sciences, Exhibition Rd., South Kensington, London, SW7 2DE; f. 1847 for the illustration and description of British fossils; Pres. R. V. MELVILLE, M.SC.; Sec. F. G. DIMES, B.SC.; publ. *Annual Volume* (monographs).

Quekett Microscopical Club: c/o British Museum (Natural History), Cromwell Rd., London, S.W.7; f. 1865 to encourage the study of every branch of microscopical science; 450 mems.; publ. *Microscopy Q.M.C. Journal* (twice a year).

Royal Astronomical Society: Burlington House, Piccadilly, London, W1V 0NL; f. 1820; granted Royal Charter in 1831; *c.* 2,800 mems.; Pres. Prof. ALAN H. COOK, F.R.S.; Secs. Prof. R. D. DAVIES, Prof. J. A. JACOBS, Prof. R. J. TAYLER; publs. *Monthly Notices* (monthly), *Geophysical Journal* (monthly), *Quarterly Journal* (quarterly); library: *see* Libraries.

Royal Institute of Chemistry: 30 Russell Square, London, WC1B 5DT; f. 1877; inc. by Royal Charter 1885, second Charter 1949; *c.* 29,000 mems. (Fellows, Members (designated Chartered Chemists), Licentiates and Graduate Members) including 2,000 students; Pres. Prof. R. O. C. NORMAN, M.A., D.SC., C.CHEM., F.R.I.C., F.R.S.; Sec. R. E. PARKER, PH.D., C.CHEM., F.R.I.C.; publs. *Chemistry in Britain* (monthly, jointly with the Chemical Society), *Professional Bulletin* (*c.* 8 a year).

Royal Meteorological Society: James Glaisher House, Grenville Place, Bracknell, Berks., RG12 1BX; f. 1850; approx. 2,400 mems.; Pres. J. L. MONTEITH, PH.D., F.R.S.; Secs. C. J. READINGS, PH.D., A. J. GADD, PH.D., J. R. MILFORD, M.A., D.PHIL.; publs. *Quarterly Journal*, *Weather* (monthly).

Royal Microscopical Society: 37/38 St. Clements, Oxford, OX4 1AJ; f. 1839 for the promotion of Microscopical Science and its applications; granted Royal Charter in 1866; 2,000 Fellows; Administrator Lt.-Col. P. G. FLEMING; publs. *Journal of Microscopy* (9 times a year) and *Proceedings* (every 2 months).

Royal Physical Society of Edinburgh: c/o Department of Animal Genetics, University of Edinburgh; f. 1771, granted Royal Charter 1788, for the cultivation of the natural and physical sciences; originally covered the whole field of science, but, as other societies formed, its scope has narrowed to natural history and palaeontology; now mainly concerned with experimental biology and genetics; approx. 160 mems.; Pres. Dr. H. KACSER; publ. *Proceedings* (irregularly).

Society of Chemical Industry: 14 Belgrave Square, London, S.W.1; f. 1881, Royal Charter 1907; 5,000 mems.; Pres P. I. WATERS; Gen. Sec. Dr. D. H. SHARP; publs. *Chemistry and Industry* (twice monthly), *Journal of Applied Chemistry and Biotechnology* (monthly), *Journal of the Science of Food and Agriculture* (monthly), *Critical Reports on Applied Chemistry*, *Pesticide Science* (every 2 months), *British Polymer Journal* (quarterly).

Yorkshire Geological Society: Department of Earth Sciences, The University, Leeds LS2 9JT; f. 1837; 1,200 mems.; library of 5,000 vols.; Pres. JOHN DOSSOR, F.I.C.E.; Gen. Sec. A. V. HODGSON, M.SC., 14 Durham Rd., Middle Herrington, Sunderland, SR3 3NR; publ. *Proceedings* (twice a year).

PHILOSOPHY AND PSYCHOLOGY

Aristotelian Society: f. 1880 for the systematic study of philosophy, its historic development and its methods and problems; 650 mems. and 100 subscribing libraries; Hon. Sec. A. A. KASSMAN, 31 West Heath Drive, London, NW11 7QG; publs. *Proceedings* (annual) and *Supplementary Volume* (annual).

British Psychological Society: St. Andrews House, 48 Princess Rd. East, Leicester, LE1 7DR; f. 1901; 8,000 mems.; Pres. Prof. P. LEVY; Hon. Sec.-Gen. R. P. WICKS; publs. *British Journal of Psychology*, *British Journal of Medical Psychology*, *British Journal of Educational Psychology*, *British Journal of Mathematical Statistical Psychology*, *British Journal of Social and Clinical Psychology*, *Bulletin of British Psychological Society*, *Journal of Occupational Psychology*.

British Society of Aesthetics: c/o Dept. of Philosophy, Birkbeck College, Malet St., London, W.C.1; f. 1960 to promote study, research and discussion in aesthetics and the growth of artistic taste among the public; 300 mems.; Pres. Prof. Emer. RUTH L. SAW; Sec. BEN MARTIN-HOOGEWERF; publ. *The British Journal of Aesthetics* (quarterly).

Experimental Psychology Society: Dept. of Psychology, University of York, Heslington, York, YO1 5DD; f. 1947; to further scientific enquiry within the field of psychology; 306 mems.; Pres. Prof. R. DAVIS; Hon. Sec. Dr. E. MACPHAIL; publ. *Quarterly Journal of Experimental Psychology*.

Leeds Philosophical and Literary Society Ltd.: City Museum, Leeds, 1; f. 1820 for the advancement of knowledge in all its branches, excepting religion, politics and ethics; 100 mems.; Sec. A. C. CHADWICK; publ. *Proceedings*†.

Manchester Literary and Philosophical Society: 36 George St., Manchester 1; f. 1781 for the advancement of literature and science; 503 mems.; Pres. Dr. E. N. A. ABRAHART, PH.D., F.R.I.C., F.S.D.C.; Hon. Secs. D. S. L. CARDWELL, PH.D., R. G. SAXON, B.ARCH., M.C.D., A.R.I.B.A.; publ. *Memoirs and Proceedings*† (annual).

Mind Association: 108 Cowley Rd., Oxford, OX4 1JF; f. 1900 to publish the journal *Mind* (f. 1876; quarterly), and help organize annual conferences jointly with the Aristotelian Society (*q.v.*); Pres. Prof. G. R. GRICE; Hon. Sec. G. ROBINSON.

National Institute of Industrial Psychology: The Mere, Upton Park, Slough, Berks., SL1 2DQ; f. 1921 to ensure the maximum adjustment of the individual to his job by scientific methods of vocational counselling, selection and training, and the promotion of good industrial relations; Sec. J. A. FOX, F.C.I.S., M.I.P.M.

Philosophical Society of England, The: f. 1913 to help to spread a knowledge of practical philosophy among the general public; brs. in Scotland and U.S.A.; Chair. of the Council Rev. J. W. GRIFFITHS, A.K.C., PH.D., F.R.S.A., F.PH.S.; Pres. Canon A. HOLLOWAY, B.D., M.TH., F.PH.S.; Gen. Sec. Rev. Dr. EDGAR J. FORD, M.A., PH.D., "Epworth", Edwards Rd., Amesbury, Wilts.; publ. *The Philosopher*.

Royal Institute of Philosophy: 14 Gordon Square, London, WC1H 0AG; f. 1925; 1,000 mems.; Pres. The Rt. Hon. The Earl of HALSBURY, F.R.S.; Chair. Prof. H. D. LEWIS, M.A., B.LITT., D.D.; Dir. Prof. G. N. A. VESEY, M.A., M.LITT.; Sec. JOAN M. JOYCE; Editor RENFORD BAMBROUGH, M.A.; publs. *Philosophy* (quarterly), collection of lectures given in preceding session (annually).

Royal Philosophical Society of Glasgow: 6 Hughenden Terrace, Glasgow, W.2.; f. 1802; principal activity: lectures; 300 mems.; Pres. JAMES MCL. FRASER, B.SC., C.ENG., F.I.C.E., F.S.A.(SCOT.); Hon. Sec. J. M. A. LENIHAN, O.B.E., M.SC., PH.D., C.ENG., M.I.E.E.; F.INST.P., F.R.S.E.; publ. *The Philosophical Journal* (twice yearly).

Society for Psychical Research: 1 Adam and Eve Mews, London, W8 6UG; f. 1882 for the purpose of making an organized and systematic attempt to investigate certain debatable phenomena which are *prima facie* inexplicable on any generally recognized hypothesis; 1,180 mems.; Pres. Prof. A. J. ELLISON; publs. *Proceedings* (irregularly), *Journal* (quarterly), and pamphlets.

Verulam Institute: Shopwyke Park, Chichester, Sussex; f. 1971 to promote critical thinking through the study of philosophy; to combat the subordination of the individual to authoritative structures; to reinforce a view of education as an activity formative of the whole personality; holds monthly meetings, public lectures, summer courses; Pres. Alexander Thynne, Lord Weymouth, M.A.; Dir. A. W. Harrison-Barbet, M.A.

The Victoria Institute or Philosophical Society of Great Britain: 130 Wood St., London, EC2V 6DN; f. 1865; Pres. Sir Norman Anderson, O.B.E., Q.C., M.A., LL.D., D.D., F.B.A.; Asst. Sec. Brian H. T. Weller; publ. *Faith and Thought* (3 a year).

Religion, Sociology and Anthropology

African Studies Association of the United Kingdom: c/o Centre of West African Studies, University of Birmingham, P.O.B. 363, Birmingham 15; f. 1963 to advance academic studies relating to Africa by providing facilities for the interchange of information and ideas; holds inter-disciplinary conferences and symposia; 500 mems.; Hon. Pres. Dr. Shula Marks; Hon. Sec. R. A. May; publ. *African Research and Documentation* (3 a year).

Associates of the late Rev. Dr. Bray: S.P.C.K., Holy Trinity Church, Marylebone Rd., London, N.W.1; f. 1730 by Dr. Thomas Bray (1658–1730) to set up and administer libraries at home and abroad for the use of the clergy and the laity; libraries in Australia, Africa, Japan, New Guinea and elsewhere, as well as in the United Kingdom; Pres. The Archbishop of Canterbury; Chair. Canon D. C. Rutter.

British Society for Middle Eastern Studies: 68 Woodstock Rd., Oxford, OX2 6JF; f. 1973; to encourage and promote the study in the U.K. of the Middle Eastern cultural region from the end of classical antiquity through the dissemination of information and by the encouragement of co-operation among persons and organizations concerned with the scholarly study of the region; 250 mems.; Pres. V. L. Ménage; Sec. Dr. D. Hopwood; publ. *Bulletin* (2 a year).

British Sociological Association, The: Skepper House, 13 Endsleigh St., London, W.C.1; f. 1951 to promote interest in sociology, to advance its study and application in Britain, and to encourage contacts between workers in all relevant fields of enquiry; Pres. Prof. M. Stacey, B.SC.; Hon. Gen. Sec. A. Waton, M.A.

China Society: 31B Torrington Square, London, W.C.1; f. 1906 to encourage the study of the Chinese language, literature, history, folk-lore, art, etc.; *c.* 150 mems.; Chair. L. Handey-Derry; Sec. Vice-Adm. Sir John Gray, K.B.E., C.B.

Ecclesiological Society: St. Ann's Vestry Hall, Carter Lane, London, E.C.4; f. 1839 as The Cambridge Camden Society; object: to study church architecture, furnishings, liturgy and music; 100 mems.; Pres. Very Rev. G. W. O. Addleshaw, Dean of Chester; Hon. Sec. Miss M. A. Price; publ. occasional papers.

Eugenics Society: 69 Eccleston Square, London, SW1V 1PJ; f. 1907 to promote the study of eugenics, genetics, population problems; approx. 400 mems.; 5,000 vols. in library; Pres. Prof. W. H. G. Armytage; Gen. Sec. Miss Eileen Walters; publs. *Bulletin* (quarterly), *Symposium Proceedings* (annually) and occasional papers.

Folklore Society: c/o University College, Gower St., London, WC1E 6BT; f. 1878; about 1,000 mems. and subscribers; library of 11,000 vols.; Pres. Prof. The Rev. Canon J. R. Porter; Hon. Sec. Dr. Venetia J. Newall, M.A., F.R.G.S., F.R.S.A.; publ. *Folklore* (2 a year).

Hispanic and Luso-Brazilian Council: Canning House, 2 Belgrave Square, SW1X 8PJ; f. 1943; Librarian G. H. Green, M.B.E., B.A.; free library and information bureau on Portugal, Spain and Latin America, with a stock of over 50,000 vols. and over 300 periodicals; classes are held in Portuguese and courses are run in Spanish, and a close liaison is maintained with over 1,000 schools, colleges and universities in Great Britain; discussion meetings, lectures, films, recitals, economics seminars, etc., on Latin America, Portugal and Spain; Pres. The Rt. Hon. Lord Chalfont, O.B.E., M.C.; Dir.-Gen. S. M. Mackenzie, C.B.E., D.S.C.; publs. *British Bulletin of Publications on Latin America, The Caribbean, Portugal and Spain* (six-monthly), *Diamante* (annually).

Institute of Community Studies: 18 Victoria Park Square, London, E.2; f. 1954; social research on poverty, deprivation and comparative social policy; housing, urban planning and community; education; Dir. M. Young, M.A., PH.D.

Institute of Jewish Affairs: 13–16 Jacob's Well Mews, George St., London, W1 5PD; f. 1941 New York, transferred to London 1966; to advance education in the field of human relationships with particular reference to the Jewish people and to the causes of racial and religious stress; research into current affairs, international legal problems, cultural issues, sociology of Jews and Jewish communities; library of 10,000 vols.; Pres. The Rt. Hon. Lord Goodman, C.H.; Chair. of Research Board The Rt. Hon. Harold Lever, P.C., M.P.; Dir. Dr. S. J. Roth; publs. *Soviet Jewish Affairs, Christian Attitudes to Jews and Judaism, Patterns of Prejudice.*

Institute of Race Relations: 247–249 Pentonville Rd., London, N.1.; f. 1958 to promote scientific study and publication on race and racism, and to make information and proposals available on race relations; library of 5,000 books and pamphlets, 900 journals, extensive press cuttings; Dir. A. Sivanandan; publ. *Race and Class* (quarterly).

Modern Churchmen's Union: f. 1898 for the advancement of liberal religious thought; 600 mems.; Pres. the Very Rev. E. F. Carpenter, Dean of Westminster; Chair. Rev. Preb. F. A. Piachaud; Sec. Rev. F. E. Compton, The School House, Leysters, Leominster, Herefordshire, HR6 0HB; publ. *The Modern Churchman*† (quarterly).

National Institute for Social Work: 5 Tavistock Place, London, W.C.1; f. 1961 to advance study, research and experiment in social work; library of *c.* 13,000 vols.; Pres. Lord Seebohm; Chair. Peter M. Barclay; Principal David Jones, O.B.E.; Registrar David J. Pratt.

National Society (Church of England): Church House, Dean's Yard, Westminster, SW1P 3NZ; f. 1811; promotes religious education in accordance with the principles of the Church of England; Chair. The Bishop Blackburn; Gen. Sec. Canon R. M. Waddington.

Royal African Society: 18 Northumberland Ave., London, WC2N 5BJ; f. 1901; *c.* 1,000 mems.; Pres. Rt. Hon. Lord Seebohm; Sec. Miss Mercy Edgedale; publs. *Journal* (quarterly), *African Affairs*†.

Royal Anthropological Institute of Great Britain and Ireland: 56 Queen Anne St., London, W1M 9LA; f. 1843; 2,250 mems.; Pres. Prof. Glyn Daniel; Dir. Jonathan Benthall; Hon. Sec. Eric Sunderland; borrowing rights to library of 60,000 vols.; film-hire library; schools education programme; manages various trust funds; publs. *Man, the journal of the Royal Anthropological Institute*† (quarterly), *Anthropological Index* (quarterly), *Rain*† (bi-monthly), Occasional Papers, etc.

Royal Asiatic Society of Great Britain and Ireland: 56 Queen Anne St., London, W1M 9LA; f. 1823 for the study of the history, religions, institutions, customs, languages, literature and art of Asia; approx. 800 mems.; approx. 600 subscribing libraries; branches in various Eastern cities; Pres. Prof. C. F. Beckingham, M.A.; Sec. Miss E. V. Gibson; publs. *Journal* and monographs on Oriental subjects; library: *see* Libraries.

Royal Commonwealth Society: 18 Northumberland Ave., London, WC2N 5BJ; f. 1868; 26,000 mems.; Chair. of Central Council Sir Michael Parsons; Sec.-Gen. A. S. H. Kemp, O.B.E.; publ. *Commonwealth* (bi-monthly).

Royal Society for Asian Affairs: 42 Devonshire St., London, W.1; f. 1901; 1,500 mems. with knowledge of, and interest in, Central Asia, Middle and Far East; library of about 5,000 vols.; Pres. The Lord Greenhill of Harrow, G.C.M.G., O.B.E.; Chair. Sir Arthur de la Mare, K.C.M.G., K.C.V.O.; Sec. Miss M. FitzSimons; publ. *Journal* (3 issues per annum).

Swedenborg Society, The: 20-21 Bloomsbury Way, London, WC1A 2TH; f. 1810 for the translation and publication of the writings of Emanuel Swedenborg, Swedish scientist, philosopher and theologian; approx. 900 mems.; Pres. Norman Turner, B.SC.; Sec. Miss Madeline G. Waters.

Technology

Association of Public Lighting Engineers: 78 Buckingham Gate, London, SW1E 6PF; f. 1924, inc. 1928, to promote, encourage, and improve the science of efficient public lighting, and to facilitate the exchange of information and ideas on this subject; 1,367 mems.; Pres. R. E. Cavalier, T.ENG. (C.E.I.), F.A.P.L.E., M.ILLUM.E.S.; Sec. A. E. Barnfather; publ. *Public Lighting* (quarterly).

Biological Engineering Society: c/o Hon. Sec. K. Copeland, Faculty of Medical Sciences, University College, Biophysics Dept., Gower St., London, WC1E 6BT; f. 1960; objective is the collaboration between members of the physical and life sciences, also with industry and government depts., in the application of technology to medicine and biology; 600 mems.; Pres. V. C. Roberts; publs. *Journal of Biomedical Engineering* (quarterly), *Abstracts* (of Conferences and some Symposia).

British Ceramic Society: Shelton House, Stoke Rd., Shelton, Stoke-on-Trent, Staffs., ST4 2DR; f. 1900 to promote and provide facilities for the advancement of the science of ceramics and its relation to industry, to bring into contact those engaged in ceramic science and industry and to collaborate with other organizations in these objects; 1,000 mems.; extensive library; Asst. Sec. D. E. Cox; publs. *Transactions and Journal*, *Proceedings*.

British Computer Society: *see* under Mathematics.

British Institute of Management: Management House, Parker St., London, WC2B 5PT; f. 1947; the central national body for the study and promotion of good management; mems.: 12,000 companies, 53,000 individuals; library of 60,000 items, 300 periodicals; Dir.-Gen. Roy Close; Sec. Michael Kirk; publs. *Management Review and Digest* (quarterly), *Management Today* (monthly), surveys, reports, occasional papers, etc.

British Society of Rheology: f. 1940; 650 mems.; Pres. Dr. J. J. Benbow; Hon. Sec. F. N. Cogswell, 67 Daniells, Welwyn Garden City, Hertfordshire, AL7 1QT; publs. *Rheology Abstracts*, *Bulletin*.

British Standards Institution: 2 Park Street, London, W1A 2BS; formed 1901 as Engineering Standards Committee; inc. 1918 as British Engineering Standards Assocn., f. under Royal Charter in 1929 and Supplemental Charter in 1931 when scope was extended and present name adopted; organization for the preparation and promulgation of all national standards for industry, science and technology and for the presentation of the U.K. viewpoint on such standards internationally; over 14,000 subscribing mems.; Chair. of Exec. Board Sir Arthur Hetherington, D.S.C.; Dir.-Gen. G. B. R. Feilden, C.B.E., F.R.S.; publs. *B.S.I. News* (monthly), *Annual Report*, *British Standards and Codes of Practice*, *Yearbook*.

Chartered Institute of Patent Agents: Staple Inn Bldgs., High Holborn, London, WC1V 7PZ; f. 1882, chartered 1891; professional and examining body; 1,624 mems., 197 students; Sec. Miss M. E. Poole, M.A.; publ. *CIPA* (monthly).

Chartered Institute of Transport: 80 Portland Place, London, W1N 4DP; f. 1919, inc. by Royal Charter 1926 to promote, encourage, and co-ordinate the study and advancement of the science and art of transport in all its branches, and to provide a source of authoritative views on transport; *c.* 17,000 mems.; brs. in Australia, Ghana, Hong Kong, Ireland, Malawi, Malaysia, New Zealand, Nigeria, Pakistan, Singapore and South Africa; library of 15,000 vols.; Pres. S. F. Wheatcroft; Dir.-Gen. Brigadier D. N. Locke, O.B.E.; publ. *Journal* (every 2 months).

Chartered Institution of Building Services: 49 Cadogan Square, London, SW1X 0JB; f. 1897 for the promotion of the science and practice of such engineering services as are associated with the built environment and industrial processes; incorporates Illuminating Engineering Society (from 1978); 8,250 mems.; Pres. L. G. Hadley, C.ENG., F.I.MECH.E., F.INST.F., F.C.I.B.S., M.CONS.E.; Sec. B. A. Hodges, O.B.E., B.A., F.I.H.V.E.; publ. *Building Services* (monthly), *Lighting Research and Technology* (quarterly), technical guides and codes (irregular).

Confederation of British Industry: 21 Tothill St., London, SW1H 9LP; *Education and Training Committee:* to keep under review policies in the whole field of education and training as they affect industry and commerce and to take any necessary action; Chair. Lord Carr of Hadley; Sec. D. Deuchar; *Research and Technology Committee:* to recommend industrial policy relating to research and technology, and to take any necessary action; Chair. Austin E. Bide; Sec. Dr. R. J. S. Green; *Universities, Polytechnics and Industry Joint Committee:* to keep under review matters of common interest and concern and to take any necessary action; Chair. Sir Donald Barron.

Ergonomics Society: f. 1949 to provide a common meeting ground for those engaged in the study of psychology, physiology and human anatomy as applied to practical problems; 20 hon. mems., 640 ordinary mems., 53 Associate mems., 155 student mems., 47 affiliated organizations; Chair. Prof. B. Shackel; Sec. T. B. Leamon, Institute of Occupational Medicine, c/o National Coal Board, Mining Research and Development Establishment, Ashby Rd., Stanhope Bretby, Burton-on-Trent, Staffs.; publs. *Ergonomics*, *Applied Ergonomics*, *Ergonomic Abstracts*, *The Ergonomist*.

Gemmological Association of Great Britain, Inc.: Saint Dunstan's House, Carey Lane, London, EC2V 8AB; f. 1931 for promotion of the study of gemmology and the scientific and industrial study of all materials and articles used or dealt in by persons interested in the science of gems; Pres. Sir Frank Claringbull, PH.D., F.INST.P., F.G.A.; Chair. Douglas N. King, F.G.A.; Sec. H. J. Wheeler, F.G.A.; publ. *Journal of Gemmology* (quarterly).

Institute of Building: Englemere, Kings Ride, Ascot, Berks., SL5 8BJ; f. 1834, new name 1965; professional institution for persons in building practice in a managerial, technical, commercial or administrative capacity and for those engaged in teaching building or in building research; 26,000 mems.; Pres. JOHN WALKERDINE, F.I.O.B.; Exec. Dir. DENNIS A. NEALE, O.B.E., M.C., M.B.I.M.; publs. *Building Technology and Management* (monthly), *Yearbook*, *List of Building Courses* (annual), occasional papers.

Institute of Ceramics: Federation House, Station Rd., Stoke-on-Trent, Staffs., ST4 2RT; f. 1955 to promote art and science as applied to the Ceramic Industries, to improve the knowledge of those engaged therein and to facilitate the exchange of information and ideas; 1,000 mems.; Pres. S. H. RYDER; Sec. W. A. EVANS.

Institute of Food Science and Technology of the United Kingdom: 105–111 Euston St., London, NW1 2ED; f. 1964 to promote the knowledge, development and application of science and technology of food, the provision of a professional body for food scientists and technologists in the furtherance of their education and training; 2,200 mems.; Pres. J. B. M. COPPOCK, O.B.E., PH.D., F.R.I.C., F.I.F.S.T., F.R.S.H., F.Z.S.; Hon. Sec. N. D. COWELL, M.SC., M.INST.P., F.I.F.S.T.; publs. *The Journal of Food Technology* (every 2 months), *The Proceedings of the Institute* (quarterly).

Institute of Fuel: 18 Devonshire St., Portland Place, London, W1N 2AU; f. 1927, Royal Charter 1946, to promote the advancement of energy technology; constituent mem. of Council of Engineering Institutions; sponsors of the Energy Show 1979; 6,000 mems.; publs. *Journal* (quarterly), *Energy World* (monthly), conference proceedings, etc.

Institute of Marine Engineers: 76 Mark Lane, London, EC3R 7JN; f. 1889 to promote the scientific development of marine engineering in all its branches; library; Pres. D. H. ALEXANDER; Dir. and Sec. J. STUART ROBINSON, M.A.; publs. *Technical Reports*, *Marine Engineers' Review* (monthly).

Institute of Measurement and Control: 20 Peel St., London, W8 7PD; f. 1944 as Society of Instrument Technology; inc. by Royal Charter 1975; to promote the advancement of the science and practice of measurement and control and its application; to co-ordinate and disseminate information and to conduct examinations; 5,896 mems.; Pres. T. A. LUCAS, B.SC., F.INST.M.C.; Sec. E. EDEN, M.A. (OXON.); publs. *Measurement and Control* (monthly), *Transactions* (quarterly).

Institute of Metals: (*see* Metals Society, The).

Institute of Petroleum: 61 New Cavendish St., London, W1M 8AR; f. 1913 to promote, encourage, and coordinate the study of petroleum and its allied products, and to accumulate and disseminate information and knowledge relating thereto; 7,000 mems.; library of 5,000 books and 120 journals; Pres. D. G. MILNE; Gen. Sec. D. C. PAYNE; publs. *Petroleum Review* (monthly), *IP Standards for Petroleum Review* (monthly), *IP Standards for Petroleum and its Products* (annual), *Safety Codes*, etc.

Institute of Practitioners in Work Study, Organisation and Methods: 1 Cecil Court, London Rd., Enfield, Middx., EN2 6DD; f. 1975; professional and examining body; 21,000 mems.; library of 3,000 vols. and 175 information folders; Pres. Sir MONTY FINNISTON; Chair. C. A. MARCKS; Dir. and Gen. Sec. E. A. KING, F.C.I.S.; publ. *Management Services* (monthly).

Institute of Quarrying: 7 Regent St., Nottingham, NG1 5BY; f. 1917; professional body to provide a professional qualification, to improve science and practice of quarrying and to provide a forum for technical discussion; over 3,500 home and overseas mems.; Dir. B. G. FISH, M.SC., C.ENG., F.I.MIN.E., F.I.M.M.; Sec. R. OATES; publs. *Quarry Management and Products* (monthly), *Register of Members*.

Institute of Refrigeration: 272 London Rd., Wallington, Surrey, SM6 7DJ; f. 1899 (as the Cold Storage and Ice Association) for the general advancement of refrigeration in all its applications; *c.* 2,200 mems.; Pres. J. J. WILSON, M.B.E.; Sec. D. T. LEE; publ. *Proceedings*.

Institute of Science Technology: 345 Gray's Inn Rd., London, WC1X 8PX; f. 1954 from the Science Technologists' Asscn. (f. 1948); professional and qualifying body for laboratory technicians; 4,100 mems.; Pres. Dr. A. NECHVATAL, D.SC., M.SC., PH.D.; Hon. Sec. B. C. V. MITCHLEY, M.I.BIOL., F.I.S.T.; publ. *Bulletin* (monthly).

Institute of Water Pollution Control, The: Ledson House, 53 London Rd., Maidstone, Kent ME16 8JH; f. 1901; 2,700 mems.; Pres. G. A. TRUESDALE; Gen. Sec. FRANK STEPHENS; publ. *Water Pollution Control* (quarterly).

Institution of Chemical Engineers, The: 165-171 Railway Terrace, Rugby, CV21 3HQ; f. 1922, inc. by Royal Charter to promote the science and practice of chemical engineering, to improve the standards and methods of education therein, and to act as a qualifying body for chemical engineers, etc.; approx. 11,000 mems.; Pres. J. SOLBETT; Gen. Sec. J. T. EVANS, PH.D.; publs. *Transactions* (quarterly), and *The Chemical Engineer* (monthly), *Diary* (monthly).

Institution of Civil Engineers: 1–7 Great George St., Westminster, London, SW1P 3AA; f. 1818; inc. by Royal Charter in 1828 for the general advancement of mechanical science and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of Civil Engineering, being the art of directing the great sources of power in Nature for the use and convenience of man: *c.* 56,000 corporate and non-corporate mems.; library of 85,000 vols., 22,000 pamphlets; Pres. Prof. R. COATES, PH.D., C.ENG., F.I.C.E.; Sec. JOHN GARTH WATSON, C.B., B.SC.(ENG.), C.ENG., F.I.C.E., F.I.E.E.; publs. include *Proceedings Part 1: Design and Construction, Part 2: Research and Theory* (each quarterly), *New Civil Engineer* (weekly), *Geotechnique* (quarterly), *Offshore Engineer* (weekly), *International New Civil Engineer* (monthly).

Institution of Electrical Engineers: Savoy Place, London, WC2R 0BL; f. in 1871 and inc. by Royal Charter in 1921 to promote the general advancement of electrical science and engineering and their applications, and to facilitate the exchange of information and ideas on those subjects; *c.* 67,850 mems.; Pres. J. REDMOND; Sec. F. GAINSBOROUGH, C.B.E., PH.D., C.ENG., F.I.E.E.; publs. *Electronics and Power*†, (22 issues a year) *Proceedings IEE*† (monthly), *Electronics Record*†, *Control and Science Record*†, *Power Record*† (all quarterly), *Electronics Letters*† (fortnightly), Science Abstracts: (*a*) *Physics Abstracts* (fortnightly), (*b*) *Electrical and Electronics Abstracts* (monthly), (*c*) *Computer and Control Abstracts* (monthly), *Current Papers series:* (*a*) *in Physics* (fortnightly), (*b*) *in Electrical and Electronics Engineering* (monthly), (*c*) *in Computers and Control* (monthly), etc.; library: *see* Libraries.

Institution of Electronic and Radio Engineers: 99 Gower St., London, WC1E 6AZ; f. 1925, inc. by Royal Charter 1961, to promote the advancement of the science of radio and electronic engineering and their applications, to facilitate the exchange of information and ideas on these subjects, to conduct examinations in all branches of radio and electronic engineering; 14,040 mems.; Sec. Air Vice-Marshal S. M. DAVIDSON, C.B.E.; publs. *The Radio and Electronic Engineer* (monthly).

Institution of Electronics: Pennine House, 78 Shaw Rd., Rochdale, Lancs.; f. 1930, inc. 1935, for the furtherance of the science of electronics and other scientific subjects; over 2,500 mems.; Gen. Sec. W. BIRTWISTLE, M.INST.E.; publ. *Proceedings* (quarterly).

Institution of Engineering Designers: Courtleigh, Westbury Leigh, Westbury, Wilts., BA13 3TA; f. 1945 to advance education in engineering, particularly in engineering design and to constitute a body of members qualified to a recognized high standard; 8,000 mems.; Sec. P. J. BOOKER, M.I.E.D.; publ. *The Engineering Designer* (6 a year).

Institution of Engineers and Shipbuilders in Scotland: 183 Bath St., Glasgow, G2 4HT; f. 1857 to facilitate the exchange of information and ideas amongst its mems., and to promote the advancement of the science and practice of engineering and shipbuilding; 1,200 mems.; Pres. Prof. A. W. SCOTT, C.B.E., PH.D., C.ENG.; Sec. W. MCLAUGHLAN, C.ENG.; publs. *Transactions* (annually), *Year Book and List of Members* (biennial).

Institution of Fire Engineers: 148 New Walk, Leicester, LE1 7QB; f. 1918, inc. 1924, to promote, encourage, and improve the science of fire engineering and fire technology; 8,500 home and overseas mems.; Pres. J. ANDERSON; Sec. D. S. RAMSEY, M.B.E.; publ. *The Fire Engineer's Journal.*

Institution of Gas Engineers: 17 Grosvenor Crescent, London, SW1X 7ES; f. 1869; Royal Charter 1929, to promote by research, discussion, education or otherwise as may seem to the Institution desirable each and all of the sciences of which knowledge may from time to time be required for the better production, distribution or utilization of gas and of the by-products of its production; 5,600 mems.; library of over 10,000 vols.; Pres. F. C. BARKER, C.ENG., F.I.GAS.E., F.B.I.M.; publs. *Gas Engineering and Management* (monthly).

Institution of Highway Engineers: 3 Lygon Place, London, S.W.1; f. 1930 to promote the furtherance, consideration and discussion of all questions affecting the profession of Highway Engineering; 9,000 mems.; Pres. J. A. GAFFNEY, B.SC. (ENG)., F.I.C.E., F.I.H.E.; Sec. Miss P. A. STEEL, B.A.; publ. *Monthly Journal.*

Institution of Mechanical and General Technician Engineers: 33 Ovington Square, London, SW3 1LJ; f. 1884; as the Vulcanic Society, then as the Junior Institution of Engineers, present name 1976; a qualifying body for T.Eng. (CEI) and Tech. (CEI) registration with the Engineers' Registration Board; to promote education in the field of engineering and allied sciences; lectures, visits to places of technical interest; 4,200 mems.; library of *c.* 5,000 vols.; Pres. SYDNEY JONES, C.B.E., PH.D., C.ENG., F.I.E.E., F.I.MECH.E., F.C.I.T.; Sec. JOHN HERITAGE; publ. *General Engineer*† (monthly).

Institution of Mechanical Engineers: 1 Birdcage Walk, London, SW1H 9JJ; f. 1847, inc. by Royal Charter 1930; amalgamated with the Institution of Automobile Engineers and Institution of Locomotive Engineers which form its Automobile Division and Railway Division; 70,000 mems.; library of 145,000 vols.; Pres. DIARMUID DOWNS, B.SC.(ENG.), C.ENG., F.I.MECH.E.; Sec. ALEX MCKAY, C.B., C.ENG., F.I.MECH.E., F.I.E.E., F.B.I.M.; publs. *Chartered Mechanical Engineer, Railway Engineer, Automotive Engineer, Mechanical Engineering News, Engineering in Medicine.*

Institution of Metallurgists, The: Northway House, Whetstone, London, N20 9LW; f. 1945 to bring within one professional body qualified metallurgists engaged in production, research, teaching, consulting work, etc.; to promote the better education and training of metallurgists; holds examinations every July in the U.K. and overseas, residential courses at least three times a year; *c.* 10,000 mems.; Pres. E. J. BRADBURY, M.ENG., C.ENG., M.I.MECH.E., F.I.M.; Registrar-Sec. T. B. MARSDEN, PH.D., C.ENG., F.I.M.; publs. *The Metallurgist and Materials Technologist* (monthly), *List of Members* (annually), handbooks course proceedings, audio-visual teaching aids and careers literature.

Institution of Mining Engineers: Hobart House, Grosvenor Place, London, SW1X 7AE; f. 1889, inc. by Royal Charter 1915, for the advancement of the science of engineering in relation to coal and iron ore mining, and the promotion of the acquisition of the scientific knowledge necessary for the control and direction of mining operations in relation to stratified deposits; approx. 4,000 mems.; Sec. G. R. STRONG; publ. *The Mining Engineer*† (monthly).

Institution of Municipal Engineers: 25 Eccleston Square, London, SW1V 1NX; f. 1873, inc. by Royal Charter 1948, to promote the science of engineering and allied subjects as applied to the duties imposed upon and services undertaken by local authorities and other public undertakings for the benefit of the community with the object of securing the highest degree of efficiency; 10,550 mems.; Pres. WILLIAM SHIRREFS; Sec. J. R. SPAREY, M.A.; publ. *Chartered Municipal Engineer* (monthly).

Institution of Plant Engineers: 138 Buckingham Palace Rd., London, SW1W 9SG; f. 1946: professional body; 9,863 mems.; Pres. J. C. NORMAN, C.ENG., M.I.MECH.E., A.M.B.I.M., F.I.PLANT E.; Sec. J. K. BENNETT, F.C.I.S., F.R.S.A., F.INST.A.M., F.S.A.E.; publ. *The Plant Engineer.*

Institution of Production Engineers: Rochester House, 66 Little Ealing Lane, London, W5 4XX; f. 1921, inc. by Royal Charter 1964, to promote the science and practice of production engineering; *c.* 20,000 mems.; Pres. J. E. REEVE, C.ENG., F.I.MECH.E., F.I.PROD.E.; publs. *The Production Engineer* (monthly), *The International Journal of Production Research* (quarterly), *Production Engineering Synopses* (quarterly).

Institution of Public Health Engineers: 32 Eccleston Square, London, SW1V 1PB; f. 1895; 3,200 mems.; Pres. Prof. P. C. G. ISAAC, B.SC.(ENG.), S.M., F.I.C.E.; Chair. J. C. CLANCY, O.B.E., B.E.M.; Sec. I. B. MUIRHEAD, B.COM.; publ. *The Public Health Engineer* (6 a year).

Institution of Structural Engineers: 11 Upper Belgrave St., London, SW1 X8BH; f. 1908, inc. by Royal Charter 1934, to promote the general advancement of the science and art of structural engineering; over 13,500 mems.; Pres. Prof. A. J. HARRIS, C.B.E., B.SC.(ENG), C.ENG., F.I.STRUCT.E., F.I.C.E.; Sec. C. D. MORGAN, O.B.E., F.C.I.S.; publs. *The Structural Engineer* (monthly), *Year Book and Directory of Members* and *Technical Reports* (as issued).

Institution of Water Engineers and Scientists: 6–8 Sackville St., London, W1X 1DD; f. 1896, inc. 1911, to advance water engineering and science; to promote education, study and research therein and to publish the results for public benefit; approx. 5,100 mems.; Pres. K. J. H. SAXTON, M.A.; Sec. J. P. BANBURY, M.B.E.; publs. *Manual of British Water Engineering Practice, Journal* (every 2 months), *Year Book and List of Members.*

Iron and Steel Institute: (*see* Metals Society, The).

Joint Committee for Higher National Certificates and Diplomas in Metallurgy: The Joint Committee Unit, City and Guilds of London Institute, 46 Britannia St., London, WC1X 9RG; f. 1945; includes representatives of The Metals Society, The Institution of Mining and Metallurgy, The Technician Education Council, The Institution of Metallurgists, Dept. of Education and Science, Ministry of Education of Northern Ireland; administers the award of Higher National Certificates and Higher National Diplomas in Metallurgy (excluding Scotland); Chair. Dr. S. G. COPE; Sec. Miss S. M. ANDREWS.

Metals Society, The: 1 Carlton House Terrace, London, SW1Y 5DB; f. 1974 following a merger of The Institute of Metals and the Iron and Steel Institute; Sec.-Gen. M. J. HALL, M.A., F.C.I.S.

National Society for Clean Air: 136 North St., Brighton, Sussex; f. in 1899 as Coal Smoke Abatement Society and amalgamated with the Smoke Abatement League of Great Britain in 1929; 1,500 mems., incl. learned societies, local authorities, industrial concerns, etc.; library of 1,000 vols., photographic collection; Pres. Prof. Sir BRIAN FLOWERS, F.R.S.; Sec.-Gen. Rear-Admiral P. G. SHARP, C.B., D.S.C.; publs. *Clean Air*† (quarterly), *NSCA Annual*, *Proceedings of Annual Conferences and Seminars*, reports.

Newcomen Society for the Study of the History of Engineering and Technology: Science Museum, South Kensington, London, S.W.7; f. 1920 to encourage and foster study of the history of engineering and technology in all parts of the world; Hon. Sec. L. R. DAY, M.SC., Science Museum, London, SW7 2DD; Exec. Sec. J. W. BUTLER, M.I.B.F.; publ. *Transactions* (annual).

Oil and Colour Chemists' Association: Priory House, 967 Harrow Rd., Wembley, Middx., HA0 2SF; f. 1918 to promote by discussion and scientific investigation the technology of the paint, oil, printing ink, and allied industries; *c.* 3,000 mems.; Pres. A. MCLEAN, B.SC., A.R.C.S.T., F.R.I.C., F.T.S.C.; Dir. and Sec. R. H. HAMBLIN, M.A., F.C.I.S.; publs. *Journal* (monthly), *Introduction to Paint Technology*, *Paint Technology Manuals*.

Photogrammetric Society, The: Dept. of Photogrammetry and Surveying, University College, Gower St., London, WC1E 6BT; f. 1952; theory, techniques, instrumentation, applications in surveying, engineering, etc.; 650 mems.; Pres. R. BIRD; Hon. Sec. H. M. HART; publ. *The Photogrammetric Record* (2 a year).

Plastics and Rubber Institute, The: 11 Hobart Place, London, SW1W 0HL; f. 1975; amalgamation of the Plastics Institute and the Institution of the Rubber Industry; to advance the standards and methods of education in the fields of plastics, rubber and allied industries and to promote the development of the art, science and technologies of these subjects by facilitating the exchange of information; acts as a qualifying body for plastics and rubber technologists; over 11,400 mems.; Pres. J. M. BUIST, B.SC., F.INST.P., F.P.R.I.; Chair. P. L. CLEGG, PH.D., A.P.R.I.; Sec.-Gen. J. N. RATCLIFFE, F.C.I.S.; publs. *Plastics & Rubber International* (every 2 months), *Plastics and Rubber: Processing* (quarterly), *Plastics and Rubber: Materials* (quarterly), technical monographs, conference proceedings.

Radio Society of Great Britain: 35 Doughty St., London, WC1N 2AE; f. 1913 to promote interest in the science of radio-communication by amateurs, and to safeguard the interests of those of its members who operate or aspire to operate amateur transmitting stations; 21,000 mems.; Gen. Man. D. A. EVANS; publ. *Radio Communication* (monthly).

Royal Aeronautical Society: 4 Hamilton Place, London, W1V 0BQ; f. 1886; 13,000 mems.; Pres. Prof. L. F. CRABTREE, PH.D., D.I.C., C.ENG., A.F.A.I.A.A., F.R.AE.S.; Sec. E. M. J. SCHAFFTER, M.A., C.ENG., M.R.AE.S.; publs. *Aeronautical Journal* (monthly), *Aeronautical Quarterly*, *Aerospace* (monthly), *Data Sheets*; library of 25,000 vols.

Royal Institution of Naval Architects, The: 10 Upper Belgrave St., London, SW1X 8BQ; f. 1860, inc. 1910 and 1960 to promote the improvement of ships; *c.* 6,400 mems.; Pres. D. B. KIMBER, O.B.E., M.SC.(ENG.), F.C.G.I., D.I.C.; Sec. P. W. AYLING, B.SC., C.ENG.; publs. *Transactions* (annually), *The Naval Architect* (every 2 months), *Maritime Technology Monographs* (irregular), occasional publications and symposium proceedings.

Royal Television Society: Tavistock House East, Tavistock Square, WC1H 9HR; f. 1927 for the furtherance of the arts and sciences of television; over 2,500 mems.; Pres. H.R.H. The Duke of KENT, G.C.M.G., G.C.V.O.; Chair. P. J. SIDEY; publ. *Television* (every 2 months).

Society of Consulting Marine Engineers and Ship Surveyors: 6 Lloyds Ave., London, EC3N 3AX; f. 1920 to provide a central organization for consulting engineers, naval architects and ship surveyors, and generally to elevate the status and procure the advancement of the interests of the profession; Pres. R. G. BRAND, F.C.M.S.; Sec. A. K. RUSSELL.

Society of Dyers and Colourists: Perkin House, P.O.B. 244, Grattan Rd., Bradford, W. Yorks., BD1 2JB; f. 1884 to promote the advancement of the science and technology of colour and colouration; approx. 4,500 mems. and subscribers; Pres. J. ATKINSON, C.G.I.A., L.T.I., F.S.C.A.; Chief Exec. and Gen. Sec. Dr. M. TORDOFF, F.R.I.C., A.C.I.S.; publs. *Journal of the Society of Dyers and Colourists* (monthly), *Review of Progress in Coloration and Related Topics* (annually), *Additions and Amendments* (quarterly), *Colour Index*, various textbooks.

Society of Engineers (Inc.), The: 21/23 Mossop St., London, SW3 2LW; f. 1854 to promote the science and practice of engineering, etc.; 5,000 mems.; library of 2,000 vols.; Pres. A. E. WITCHLOW, F.S.E., P.ENG.; Sec. L. T. GRIFFITH, M.S.E., P.ENG.; publ. *Journal and Transactions*.

Society of Professional Engineers Ltd.: 21/23 Mossop St., London, SW3 2LW; f. 1969 to provide a professional register; Pres. S. N. B. GAIRN, F.S.E., P.ENG.; Sec. L. T. GRIFFITH, F.S.E., P.ENG.

Society of Glass Technology: "Thornton", 20 Hallam Gate Rd., Sheffield, S10 5BT; f. 1916 to promote the association of persons interested in glass technology; approx. 1,230 mems.; library of 9,000 vols.; Hon. Sec. T. S. BUSBY, B.SC., F.G.S., F.I.CERAM., F.S.G.T.; publs. *Glass Technology*†, *Physics and Chemistry of Glasses*† (bi-monthly).

Society of Licensed Aircraft Engineers and Technologists: Grey Tiles, Kingston Hill, Kingston upon Thames, Surrey; f. 1944; technical and professional examining body; 6,500 mems.; Pres. E. R. MAJOR, B.SC., C.ENG., F.I.MECH.E., F.R.AE.S., F.S.L.AE.T.; Exec. Dir. J. R. FINNIMORE, M.V.O., C.ENG., F.R.AE.S., F.C.I.T.

South Wales Institute of Engineers: Institute Buildings, Park Place, Cardiff, CF1 3UG; f. 1857 for the encouragement and advancement of engineering science and practice; 700 mems.; Pres. J. A. MOXHAM, C.ENG., F.I.MIN.E.; Hon. Sec. T. G. DASH, J.P., C.ENG., F.I.MECH.E., F.I.E.E., F.I.MIN.E.; publ. *Proceedings* (yearly).

Textile Institute (The): 10 Blackfriars St., Manchester, M3 5DR; f. 1910; Royal Charter 1925 and 1955, the international body for those concerned with any aspect of textiles and related industries; promotion of education and training, professional standards and exchange of information within the industry by means of publications, conferences, meetings and information services; 8,500 mems.; library of 4,000 vols., 1,000 pamphlets, 200 journals; Pres. Prof. C. S. WHEWELL, PH.D., F.R.I.C., F.T.I., F.S.D.C.; Gen. Sec. R. G. DENYER, B.SC.; publs. *Journal of the Textile Institute* (monthly), *The Textile Institute and Industry* (monthly), *Textile Progress* (4 a year).

Welding Institute (The) (formerly *British Welding Research Association* f. 1945 and *Institute of Welding* f. 1923): Head office and research station: Abington Hall, Cambridge, CB1 6AL; London office: 54 Princes Gate, SW7 2PG; f. 1968 to undertake general and contract research, to advance welding technology in all aspects, to provide consultancy and laboratory services for members, to provide education and training and to improve the professional status and qualification of

members; 1,500 research mems.; 5,000 professional mems.; 3,000 vols. in library; specialized information services; Dir.-Gen. A. A. WELLS, PH.D., C.ENG., F.R.S., M.I.MECH.E., F.WELD.I.; Sec. M. A. ALLFLATT, F.C.I.S.; publs. *Research Bulletin* (monthly), *Metal Construction* (monthly), *Welding Research International* (every 2 months), many specialized handbooks, design memoranda, etc.

RESEARCH INSTITUTES

(*see* also under Universities)

AGRICULTURE AND VETERINARY SCIENCE

Agricultural Research Council: 160 Gt. Portland St., London, W1N 6DT; f. by Royal Charter in 1931; under the Secretary of State for Education and Science and the Ministry of Agriculture, Fisheries and Food; Chair. Lord PORCHESTER, K.B.E., D.L.; Sec. Dr. RALPH RILEY, F.R.S.; publs. *Index of Agricultural Research, The Agricultural Research Service, Report of the Agricultural Research Council, ARC Research Review.*

The Council controls the following institutes and units:

A.R.C. Animal Breeding Research Organisation: West Mains Rd., Edinburgh EH9 3JQ; Dir. J. W. B. KING, PH.D.; Sec. A. B. TOTTY, B.A.

A.R.C. Institute for Research on Animal Diseases: Compton, Newbury, Berks.; Dir. Dr. J. M. PAYNE, B.SC., M.R.C.V.S.; Sec. D. J. CRAIG, A.C.I.S., D.M.S.

A.R.C. Institute of Animal Physiology: Babraham, Cambridge, CB2 4AT; Dir. B. A. CROSS, M.A., PH.D., SC.D., F.R.S., M.R.C.V.S.; Sec. R. M. JONES.

A.R.C. Letcombe Laboratory: Letcombe Regis, Wantage, Berks., OX12 9JT; Dir. J. V. LAKE, PH.D.; Sec. E. A. TYRER, D.S.C.

A.R.C. Poultry Research Centre: King's Buildings, West Mains Rd., Edinburgh, EH9 3JS; Dir. D. W. F. SHANNON, PH.D.; Sec. A. I. MENZIES.

A.R.C. Statistics Group: Dept. of Applied Biology; Downing St., Cambridge, CB2 3DX; under supervision of J. G. POWELL, M.A.

A.R.C. Unit of Animal Genetics: Institute of Animal Genetics, West Mains Rd., Edinburgh, EH9 3JN; Dir. Prof. D. S. FALCONER, SC.D., F.R.S.E., F.R.S.

A.R.C. Unit of Invertebrate Chemistry and Physiology: University of Sussex, Falmer, Brighton, Sussex, BN1 9QJ; Hon. Dir. Prof. A. W. JOHNSON, SC.D., F.R.S.; Sub-Division: University of Cambridge, Zoology Dept., Downing St., Cambridge, CB2 3EJ; Assoc. Dir. J. E. TREHERNE, SC.D.

A.R.C. Unit of Muscle Mechanism and Insect Physiology: Department of Zoology, University of Oxford, South Parks Rd., Oxford, OX1 3PS; Hon. Dir. Prof. J. W. S. PRINGLE, M.B.E., SC.D., F.R.S.

A.R.C. Unit of Nitrogen Fixation: University of Sussex, Falmer, Brighton, Sussex, BN1 9QJ; Dir. Prof. J. CHATT, C.B.E., M.A., PH.D., SC.D., F.R.S.

A.R.C. Unit of Statistics: University of Edinburgh, 21 Buccleuch Place, Edinburgh, EH8 9LN; Hon. Dir. Prof. D. J. FINNEY, C.B.E., M.A., SC.D., F.R.S., F.R.S.E.

A.R.C. Food Research Institute: Colney Lane, Norwich, NOR 70F; Dir. R. F. CURTIS, PH.D.; Sec. V. H. STANDLEY, D.M.A., M.I.L.G.A.

A.R.C. Meat Research Institute: Langford, Nr. Bristol, BS18 7DY; Dir. J. R. NORRIS, PH.D., F.I.BIOL.; Sec. A. GRIFFITHS, F.C.I.S., A.M.B.I.M., M.I.L.G.A.

Weston Laboratory: Bridge Rd., Weston-super-Mare, Somerset; Dir. Prof. J. R. NORRIS, PH.D., F.I.BIOL.

A.R.C. Weed Research Organization: Begbroke Hill, Sandy Lane, Yarnton, Oxford, OX5 1PF; Dir. J. D. FRYER, M.A.; Sec. B. A. WRIGHT, A.M.B.I.M.

Agricultural Scientific Services: Department of Agriculture and Fisheries for Scotland, East Craigs, Edinburgh, EH12 8NJ; seed testing, crop plant variety testing, crop improvement through certification of planting stock, propagation of nuclear clonal stocks of seed potatoes; statutory aspects of pest and disease control, infestation control in stored products; the extent and economics of pesticide usage, including any environmental effects; ecology of mammals and birds of actual or potential pest status; Dir. J. M. TODD, B.SC., A.I.C.T.A., F.I.BIOL.

Animal Diseases Research Association: Moredun Institute, 408 Gilmerton Rd., Edinburgh EH17 7JH; f. 1920 for research into diseases of farm animals; Dir. W. B. MARTIN, PH.D., M.R.C.V.S., D.V.S.M.; Sec. F. B. COUTTS; publ. *Annual Report.*

Animal Virus Research Institute: Pirbright, Woking, Surrey; investigates animal viruses with particular reference to foot-and-mouth disease; library 1,500 vols.; Dir. J. B. BROOKSBY, C.B.E., PH.D., D.SC., M.R.C.V.S., F.R.S.E.; Sec. H. W. COOKE.

Central Veterinary Laboratory (Ministry of Agriculture, Fisheries and Food): New Haw, Weybridge, Surrey, KT15 3NB; f. 1917 for research into diseases of farm animals and poultry; joint library with Commonwealth Bureau of Animal Health (50,000 vols., 975 periodicals); Dir. A. B. PATERSON, D.SC., PH.D., M.R.C.V.S., D.V.S.M., F.R.I.C.; Laboratory Sec. D. A. BAINTON; Librarian D. E. GRAY, F.L.A.

Centre for Overseas Pest Research: College House, Wright's Lane, London, W8 5SJ; f. 1971; a scientific unit of the Ministry of Overseas Development; conducts and fosters research on the biology and control of pests of agriculture and public health in developing countries, particularly insect pests, rodents and vectors of tropical diseases such as tsetse flies, snails; concerned with environmental monitoring of pesticides; arranges technical training in Britain and overseas; advises H.M. Government and assists overseas governments on pest control; Dir. P. T. HASKELL, C.M.G., PH.D., F.I.BIOL.; publs. *Annual Report*†, *Anti-Locust Bulletin*†, *Anti-Locust Memoir*†, *Tropical Pest Bulletin*† (all irregular), *PANS*† (Pest Articles and News Summaries, quarterly), *PANS* Manuals† (irregular).

Commonwealth Agricultural Bureaux: *see* International Chapter, sub-section 'Agriculture'.

Commonwealth Forestry Institute: (*see under* University of Oxford).

East Malling Research Station: East Malling, Maidstone, Kent; f. 1913 for the promotion of experiments in horticulture; Dir. I. J. GRAHAM-BRYCE; publs. *Annual Report, Journal of Horticultural Science* (joint publication with Long Ashton Research Station).

Forestry Commission Research and Development Division: f. 1919 to advance forest technology; graduate staff of

75; library of 7,000 vols.; Dir. of Research and Development D. R. JOHNSTON; comprises two research stations with biological sections for arboriculture, silviculture, tree seeds, genetics, wildlife, entomology, pathology, site studies, physiology, and service sections for statistics, work study, field surveys, photography, library research information; publs. *Report on Forest Research* (annual), *Library Review* (3 issues per year). The two research stations are:

Forest Research Station: Alice Holt Lodge, Wrecclesham, Farnham, Surrey; Chief Research Officer D. H. PHILLIPS.

Northern Research Station: Forestry Commission, Roslin, Midlothian, Scotland; Chief Research Officer D. T. SEAL.

Glasshouse Crops Research Institute: Worthing Road, Rustington, Littlehampton, West Sussex, BN16 3PU; f. 1953 for research on glasshouse crops and mushrooms, and on bulbs, flowers and shrubs grown in the open; library of 8,000 vols.; 360 journals received; 190 scientific and technical staff; Dir. D. RUDD-JONES, M.A., PH.D., F.I.BIOL.; publ. *Annual Report*†.

Grassland Research Institute: Hurley, nr. Maidenhead, Berks.; f. 1949 to promote research and other scientific studies in grassland husbandry, including establishment, productivity, quality and management of forage crops and in systems of animal production; 80 research staff; library of 6,500 vols., and 1,100 current periodicals; Dir. Prof. A. LAZENBY, M.SC., M.A., PH.D.; publs. *Annual Report, Technical Reports.*

Hannah Research Institute: Ayr, KA6 5HL; f. 1928 for studies relating to the production and utilization of milk; scientific and support staff of 100; Dir. Prof. J. A. F. ROOK, PH.D., D.SC., F.R.I.C., F.R.S.E., F.I.BIOL.; Sec. N. A. D. MCCANCE, A.M.B.I.M.

Hill Farming Research Organisation: Bush Estate, Penicuik, Midlothian, EH26 0PY; f. 1954; research in hill soils, plant production and utilization, and sheep, cattle and red deer nutrition and production; Dir. J. M. M. CUNNINGHAM, B.SC.AGRIC., PH.D., F.R.S.E., F.I.BIOL.; Sec. D. WARNE, F.C.I.S., M.B.I.M.; publ. *Triennial Report*†.

Hop Research Department: (*see under* Wye College).

Houghton Poultry Research Station: Houghton, Huntingdon, Cambs., PE17 2DA; f. 1948; research into avian diseases; library of 500 vols.; Dir. P. M. BIGGS, D.SC., D.V.M., M.R.C.V.S., F.R.C.PATH., F.I.BIOL., F.R.S.; Sec. L. C. FITZGERALD; publs. *Biennial Report*†, *Current Research in Poultry Science*† (weekly).

John Innes Institute: Colney Lane, Norwich, NR4 7UH; f. 1910 by private bequest, now grant-aided; for research in genetics, plant breeding, virology and ultra-structural studies; Dir. Prof. ROY MARKHAM, M.A., PH.D., F.R.S.; Sec. G. R. DAVIES, M.B.E.; publ. *Annual Report*†.

Long Ashton Research Station (University of Bristol): Long Ashton, Bristol; f. 1903 as National Fruit and Cider Institute, which was in 1912 incorporated in the Research Station; basic studies of plant metabolism, research into fruit culture and related subjects, microclimatology and the effects of weather on crop productivity, control of diseases and pests of horticultural crops, the making of cider and fruit juices and domestic preservation of fruit and vegetables; financed mainly by A.R.C. and Ministry of Agriculture, Fisheries and Food; Dir. Prof. J. M. HIRST, D.SC., PH.D., F.R.S.; Sec. P. J. LANE, A.C.I.S.; publ. *Annual Report*†.

Macaulay Institute for Soil Research, The: Craigiebuckler, Aberdeen, AB9 2QJ; f. 1930; there are eight main departments: pedology, soil survey, soil organic chemistry, spectrochemistry, plant physiology, microbiology, soil fertility and statistics; scientific staff of 88; library of 6,000 vols., 300 journals; Dir. T. S. WEST, PH.D., D.SC., C.CHEM., F.R.I.C.; Sec. Miss E. A. PIGGOTT; publ. *Annual Report*†, *Collected Papers*† (every three years), *Soil Survey of Scotland Publications*†.

National Institute for Research in Dairying: (*see* under University of Reading).

National Institute of Agricultural Botany: Huntingdon Rd., Cambridge, CB3 0LE; f. 1919 to promote the improvement of existing varieties of seeds, plants and crops in the United Kingdom; includes the Official Seed Testing Station for England and Wales, and other branches which are particularly concerned with crop variety testing and description, seed certification and seed production techniques; 6,200 mems.; Dir. P. S. WELLINGTON, D.S.C., PH.D., A.R.C.S.; publs. *Annual Report, Journal*, and leaflets.

National Institute of Agricultural Engineering: Wrest Park, Silsoe, Bedford, MK45 4HS; Dir. Dr. R. L. BELL, PH.D., F.I.M., F.INST.P.; Sec. I. J. A. GUNN, A.C.C.A.

National Vegetable Research Station: Wellesbourne, Warwick; f. 1949; conducts research to improve the culture and quality of vegetables grown in the open; 9 Research Sections; library receives 400 scientific journals; Dir. Prof. J. K. A. BLEASDALE, PH.D.; Sec. A. A. DALBY, M.B.E.; Librarian D. A. WOODROFFE, B.SC.; publ. *Annual Report*†.

Pest Infestation Control Laboratory (Ministry of Agriculture, Fisheries and Food Agricultural Development and Advisory Service): London Rd., Slough, SL3 7HJ; f. 1940, present form 1970 as merger of A.R.C. Pest Infestation Laboratory and M.A.F.F. Infestation Control Laboratory; research and advice on preservation of stored agricultural products; biology and control of vertebrate and invertebrate pests of stored products; micro-organisms in stored products; vertebrate pests of crops; and related subjects, e.g. biochemistry and toxicology, environmental effects of pesticides; Dir. J. A. FREEMAN, O.B.E., PH.D., F.I.BIOL.

Plant Breeding Institute: Maris Lane, Trumpington, Cambridge, CB2 2LQ; f. 1912 as Cambridge University Plant Breeding Institute, established 1952 as a separate institute to promote and undertake research and investigations of a pure and applied scientific nature on plant breeding for the improvement of agricultural crops, the production of new varieties of arable and herbage plants and the development of breeding techniques; Dir. (vacant); Sec. D. R. HADDEN, F.C.I.S., A.M.B.I.M.; publ. *Annual Report.*

Plant Pathology Laboratory: Hatching Green, Harpenden, Herts.; f. 1914; is an integral part of the Ministry of Agriculture, Fisheries and Food and its primary function is to advise the Ministry on all matters relating to non-indigenous pests and diseases of plants not yet or recently established or subject to control and registration of pesticides used in agriculture or forestry including analytical methods, residues, safety and efficiency in use; Dir. A. H. STRICKLAND, M.A., F.R.E.S., A.I.C.T.A., F.I.BIOL. (acting).

Rothamsted Experimental Station: Harpenden, Herts.; f. 1843 for research in soil and plant growth; Rothamsted is also the headquarters of the Soil Survey of England and Wales and the Commonwealth Bureau of Soils; about 80,000 volumes in library; Scientific Staff 475; Dir. LESLIE FOWDEN, PH.D., F.R.S.; Sec. W. BARNES, F.C.A.; publs. *Annual Report, Rothamsted Guide, Yields of the Field Experiments*, etc.

Rowett Research Institute: Bucksburn, Aberdeen, AB2 9SB; f. 1913 for research in animal nutrition and allied sciences; 172 scientists; Reid Library of 8,000 vols. and 750 current journals; Dir. Sir KENNETH BLAXTER, f.r.s.; Heads of Depts.: Protein Biochemistry, R. H. Smith, ph.d.; Lipid Biochemistry, G. A. Garton, ph.d., d.sc., f.r.s.e., f.r.s. (Deputy Dir.); Microbiology, P. N. Hobson, ph.d., d.sc., f.r.s.e.; Carbohydrate Biochemistry, J. S. D. Bacon, m.a., sc.d., ph.d., f.r.s.e.; Experimental Pathology, B. F. Fell, ph.d., m.r.c.v.s.; Physiology, R. N. B. Kay, ph.d., f.r.s.e.; Energy Metabolism, J. C. MacRae, ph.d.; Applied Nutrition, A. S. Jones, ph.d.; Nutritional Biochemistry, C. F. Mills, m.sc., ph.d., f.r.s.e.; Biometry, A. W. Boyne, b.sc., f.r.s.e.; Veterinary Pathology, G. A. Sharman, b.sc., m.r.c.v.s.; Chemical and Physical Analysis, J. Davidson, ph.d.; Sec. J. Bishop, f.c.i.s.; Duthie Experimental Farm, H. Denerley, b.sc.(agric.); Librarian H. P. Martin; Engineering Services, S. A. Abel, b.sc.(eng.), m.i.e.e.; publ. *Annual Report of Studies in Animal Nutrition and Allied Sciences*†.

Scottish Horticultural Research Institute: Invergowrie, Dundee, DD2 5DA; f. 1953; research in plant breeding, agronomy, mycology, virology and zoology, relating to the growing of soft fruit, vegetables, and some arable and ornamental crops; 90 scientific staff; Dir. C. E. Taylor, ph.d.; publ. *Annual Report: Bulletin of SHRI Association*† (2 a year).

Scottish Institute of Agricultural Engineering: Bush Estate, Penicuik, Midlothian; Dir. Dr. D. P. Blight, m.sc., ph.d., m.i.mech.e.; Sec. C. G. Williamson, a.c.i.s., a.m.b.i.m.

Scottish Plant Breeding Station: Pentlandfield, Roslin, Midlothian, EH25 9RF; f. 1920; breeding new varieties of crop plants, research applicable to crop improvement; Dir. R. C. F. Macer, m.a., ph.d., f.i.biol.; Sec. H. C. M. McLeod; publ. *Annual Report*†.

Welsh Plant Breeding Station (University College of Wales): Plas Gogerddan, nr. Aberystwyth; f. 1919 for the study of the breeding, genetics, physiology, cytology and nutritive value of grasses, clovers, cereals, field beans and *Brassicae* crops; the production of improved varieties; the study of disease resistance, plant ecology, grassland agronomy and the general management and improvement of lowland and hill pastures; Dir. J. P. Cooper, d.sc., f.r.s., f.i.biol.; Sec. J. W. Ellis, d.p.a., a.c.i.s.; publs. *Annual Report*, *Bulletins*, *Leaflets*, *Reprints*, *Technical Bulletins*.

Woburn Experimental Station (Lawes Agricultural Trust): Husborne Crawley, Bedford; f. 1876 for the investigation of manurial and other problems of British crops; Officer-in-Charge C. A. Thorold, m.a., a.i.c.t.a., m.i.biol.; publ. *Annual Report*.

Architecture and Town Planning

Centre for Environmental Studies: 62 Chandos Place, London, W.C.2; f. 1967; social and economic aspects of urban and regional planning research; 45 research staff; Dir. Peter Willmott; Sec. R. Eustace; publs. *CES Review* (3 a year), *Annual Report*, research and conference paper, reprints, research bulletin.

Economics, Law and Politics

Economic Research Council: 55 Park Lane, London, W1Y 3DH; f. 1943 as a non-profit-making research and educational organization in the field of economics and monetary practice; Pres. Rt. Hon. Lord Beeching; Chair. Patrick de Laszlo; Hon. Sec. Edward Holloway; publ. *Britain and Overseas* (quarterly).

International Institute for Strategic Studies, The: 18 Adam St., London, W.C.2; f. 1958; aims to promote discussion and research on the problems of defence, disarmament and international security in the nuclear age; international membership and Council; 1,196 full mems. and 608 assoc. mems.; Chair. of the Council Dr. Ernst van der Beugel; Dir. Dr. Christoph Bertram; publs. *Survival* (6 a year), *The Military Balance*, *Strategic Survey* (annual), *Adelphi Papers* (8–10 a year), Studies in International Security.

Institute for the Study of Conflict: 12/12A Golden Square, London, W1R 3AF; f. 1970 for the advancement of research into the causes and manifestations of insurgency and political violence; library of *c.* 5,000 vols., 200 periodicals; Chair. Prof. Leonard Schapiro; Dir. Brian Crozier; Administrative Dir. Michael Goodwin; Defence Services Consultant Major-Gen. F. A. H. Ling, c.b., c.b.e., d.s.o., d.l.; publs. *Conflict Studies*, special reports.

National Institute of Economic and Social Research: 2 Dean Trench St., Smith Square, London, SW1P 3HE; f. 1938; Pres. The Rt. Hon. Lord Roll, k.c.m.g., c.b.; Dir. G. D. N. Worswick; Sec. Mrs. K. Jones; publs. *Economic and Social Studies*, *Occasional Papers*, *Economic Policy Papers*, *Annual Report*, *Economic Review* (quarterly), *Discussion Papers*.

Overseas Development Institute: 10–11 Percy St., London, W1P 0JB; f. 1960 to act as a research and information centre on overseas development issues and problems; library of 10,000 vols.; Chair. Sir George Bishop; Dir. Robert Wood; publs. *ODI Review* (2 a year), *Periodicals Reference Bulletin*† (6 a year), research work in the form of books and pamphlets.

Political and Economic Planning—PEP: 1/2 Castle Lane, London, SW1E 6PR; f. 1931; independent research institute which studies questions of public policy within the scope of the social sciences; Pres. Lord Roll, k.c.m.g., c.b., Lord Seebohm; Chair. of Council Sir Monty Finniston, f.r.s.; Dirs. John Pinder, o.b.e., Richard Davies; publs. broadsheets and large-scale reports.

Education

Institute for Cultural Research: P.O.B. 13, Tunbridge Wells, Kent; f. 1966; to promote and conduct research and advance public education in man's heritage of knowledge; Dir. of Studies The Sayed Idries Shah; Chair. of Council Robert Cecil, c.m.g., m.a.; Chair. of Trustees Prof. D. B. Fry, ph.d.; Sec. Anthony Smith-Masters; publs. intercultural monographs†.

National Foundation for Educational Research in England and Wales: The Mere, Upton Park, Slough, Berks., SL1 2DQ; f. 1947; to study problems arising within the national educational system, to disseminate information on its findings and to collaborate on a national and international basis with other educational and research bodies; Pres. Secretary of State for Education and Science; Chair. A. W. S. Hutchings, m.a., c.b.e.; Dir. Alfred Yates, m.a., m.ed., f.b.ps.s.; publs. *Educational Research* (3 a year), *Educational Research News*, *Research Reports* (various), etc.

Society for Research into Higher Education Ltd.: c/o University of Surrey, Guildford, GU2 5XH; f. 1964 to collect and disseminate information about research into and developments in higher education and to encourage research into higher education; 560 individual mems., 270 corporate mems.; small library of unpublished research, reprints and published work on research into higher education; Chair. Prof. G. L. Williams; Sec. C. Flood Page; publs. *Register of Research into Higher Education in Western Europe* (biennial), *Abstracts* (quarterly), *Studies in Higher Education*, monographs, occasional publications, pamphlets.

History, Geography and Archaeology

Leo Baeck Institute: 4 Devonshire St., London, W.1; f. 1955; an international research institute for the history of German-speaking Jewry; Dir. Dr. Arnold Paucker; publs. *Year Book*, symposium volumes, monographs, etc.

Scott Polar Research Institute: Lensfield Rd., Cambridge, CB2 1ER; f. 1921; research and information centre on the Polar regions; exhibits; 14,000 vols., 850 periodicals; Dir. Dr. G. de Q. Robin; publ. *Polar Record*.

Language and Literature

Modern Humanities Research Association: f. at Cambridge in 1918 with the object of encouraging advanced studies in modern and medieval languages and literatures; approx. 1,300 mems.; Hon. Sec. Prof. D. A. Wells, M.A., PH.D., The Queen's University of Belfast, Belfast, BT7 1NN; publs. *Modern Language Review* (quarterly), *Annual Bibliography of English Language and Literature*, *Yearbook of English Studies*, *The Year's Work in Modern Language Studies*, *The Slavonic and East European Review* (quarterly), *Publications Series*, *MHRA Texts and Dissertations*, *Annual Bulletin*, *MHRA Style Book*.

Orthological Institute: 1 Lincoln's Inn Fields, London, W.C.2; f. 1927 by C. K. Ogden; co-operates with the Basic English Foundation; Dir. Mark Haymon; Trustees of the Basic English Foundation: Prof. Joseph Lauwerys, Dr. G. Burniston Brown, Lord Evans of Hungershall, Mark Haymon.

Medicine

Medical Research Council: 20 Park Crescent, London, W1N 4AL; inc. 1920; Chair. The Rt. Hon. The Lord Shepherd; Deputy Chair. and Sec. J. L. Gowans, C.B.E., M.B., D.PHIL., F.R.C.P., F.R.S.; Second Sec. S. G. Owen, C.B.E., M.D., F.R.C.P.; Admin. Sec. F. Rushton; Senior Principal Medical Officer R. C. Norton, M.B., D.OBST.R.C.O.G.; Principal Medical Officers Sheila Howarth, M.B., M.R.C.P., Katherine Lévy, M.B., T. Vickers, PH.D.

The Council's chief function is the promotion of research on all aspects of health and disease. Its principal support is given to investigations by members of its scientific staff, mostly working in the Council's own research establishments; it also finances other work, for the most part in universities and teaching hospitals, through its schemes of research grants, and provides research fellowships and scholarships for training in methods of research.

The Council's own research activities are mainly undertaken in the following establishments:

National Institute for Medical Research: Mill Hill, London, NW7 1AA; divisions: animal, biochemistry, biophysics, cytopathology, developmental biology, genetics, immunology and experimental biology, microbiology, molecular pharmacology, parasitology, neurophysiology and neuropharmacology, virology; laboratories of developmental biochemistry, lipid and general chemistry, leprosy and mycobacterial research, bacterial infectivity, peptide chemistry, neurobiology, endocrine physiology and pharmacology, tropical community studies, computing; department of engineering; Dir. Sir Arnold Burgen, M.D., F.R.C.P., F.R.S.

Institute of Hearing Research: University of Nottingham, University Park, Nottingham, NG7 2RD; Dir. M. Haggard, PH.D.

Clinical Research Centre: Watford Rd., Harrow, Middx., HA1 3UJ; divisions of cell pathology, communicable diseases, anaesthesia, computing and statistics, clinical chemistry, bioengineering, immunology, clinical investigation, inherited metabolic diseases, electron microscopy, immunochemical genetics, perinatal medicine, rheumatology, comparative medicine, medical computing, psychiatry, hospital infection; radioisotopes division, division of surgical sciences, haematology section, radiology division; Dir. C. C. Booth, M.D., F.R.C.P.

M.R.C. Unit on Neural Mechanisms of Behaviour: 3 Malet Place, London, WC1E 7JG; Dir. I. S. Russell, PH.D.

M.R.C. Blood Group Unit: University College London, Wolfson House, Stephenson Way, London, NW1 2HE; Dir. Ruth Sanger, PH.D., F.R.S.

M.R.C. Blood Pressure Unit: Western Infirmary, Glasgow, G11 6NT; Dir. A. F. Lever, M.B., B.SC., F.R.C.P.

M.R.C. Brain Metabolism Unit: University Dept. of Pharmacology, 1 George Square, Edinburgh, EH8 9JZ; Dir. (vacant).

M.R.C. Clinical Oncology Unit: Medical School, Hills Rd., Cambridge, CB2 2HQ; Hon. Dir. Prof. N. M. Bleehen, B.M., B.SC., F.R.C.P., F.R.C.R.

M.R.C. Common Cold Unit: Harvard Hospital, Coombe Rd., Salisbury, Wilts.; Medical Superintendent A. S. Beare, M.D., F.R.C.PATH., D.T.M. & H.

M.R.C. Cyclotron Unit: Hammersmith Hospital, Ducane Rd., London, W12 0HS; Dir. D. D. Vonberg, B.SC.

M.R.C. Demyelinating Diseases Unit: Newcastle General Hospital, Westgate Rd., Newcastle upon Tyne, NE4 6BE; Dir. E. A. Caspary, PH.D. (acting).

M.R.C. Dental Unit: Dental School, Lower Maudlin St., Bristol, BS1 2LY; Hon. Dir. Prof. A. I. Darling, C.B.E., M.D.S., D.D.SC., M.R.C.S., F.D.S.R.C.S., F.R.C.PATH.

M.R.C. Unit for the Study of Environmental Factors in Mental and Physical Illness: London School of Economics and Political Science, 20 Hanway Place, London, W1P 0AJ; Dir. J. W. B. Douglas, B.M., B.SC.

M.R.C. Epidemiology Unit, South Wales: 4 Richmond Rd., Cardiff, CF2 3AS; Dir. P. C. Elwood, M.D., M.R.C.P., F.F.C.M.

M.R.C. Clinical Genetics Unit: Institute of Child Health, 30 Guilford St., London, WC1N 1EH; Dir. C. O. Carter, D.M., F.R.C.P.

M.R.C. Human Biochemical Genetics Unit: The Galton Laboratory, University College London, Wolfson House, 4 Stephenson Way, London, NW1 2HE; Dir. D. A. Hopkinson, M.D. (acting).

M.R.C. Experimental Haematology Unit: St. Mary's Hospital Medical School, London, W2 1PG; Dir. Prof. P. L. Mollison, M.D., F.R.C.P., F.R.C.PATH., F.R.S. (part-time).

M.R.C. Cellular Immunology Unit: Sir William Dunn School of Pathology, Oxford, OX1 3RE; Dir. Dr. A. Williams.

M.R.C. Immunochemistry Unit: University Dept. of Biochemistry, South Parks Rd., Oxford, OX1 3QU; Hon. Dir. Prof. R. R. Porter, PH.D., F.R.S.

M.R.C. Industrial Injuries and Burns Unit: Birmingham Accident Hospital, Bath Row, Birmingham, B15 1NA; Dir. J. P. Bull, C.B.E., M.D., F.R.C.P.

M.R.C. Laboratories, Gambia: Fajara, Gambia, W. Africa; Dir. R. S. Bray, D.SC., F.I.BIOL.

M.R.C. Laboratories, Jamaica: University of the West Indies, Mona, Kingston 7, Jamaica, West Indies; Dir. G. R. Serjeant, M.D., M.A., M.R.C.P.

M.R.C. Laboratory Animals Centre: M.R.C. Laboratories, Woodmansterne Rd., Carshalton, Surrey, SM5 4EF; Dir. J. Bleby, B.VET.MED., M.R.C.V.S., F.I.BIOL.

M.R.C. Mineral Metabolism Unit: The General Infirmary, Great George St., Leeds, LS1 3EX; Dir. Prof. B. E. C. NORDIN, M.D., D.SC., F.R.C.P.

M.R.C. Laboratory of Molecular Biology: University Post-graduate Medical School, Hills Rd., Cambridge, CB2 2QH; Chair. of Board M. F. PERUTZ, C.H., C.B.E., PH.D., F.R.S.

M.R.C. Neuropharmacology Unit: The Medical School, Birmingham, B15 2TJ; Hon. Dir. Prof. P. B. BRADLEY, D.SC.

Dunn Nutrition Unit: Milton Rd., Cambridge, CB4 1XJ; Dir. R. G. WHITEHEAD, M.A., PH.D., F.I.BIOL.

M.R.C. Perceptual and Cognitive Performance Unit: Experimental Psychology Laboratory, University of Sussex, Falmer, Brighton, BN1 9QY; Dir. Prof. W. P. COLQUHOUN, PH.D.

M.R.C. Environmental Physiology Unit: London School of Hygiene and Tropical Medicine, Keppel St., London, WC1E 7HT; Dir. Prof. J. S. WEINER, D.SC., M.R.C.P., F.I.BIOL.

M.R.C. Pneumoconiosis Unit: Llandough Hospital, Penarth, Glam., CF6 1XW; Dir. P. C. ELMES, M.D., F.R.C.P.

M.R.C. Unit for Epidemiological Studies in Psychiatry: University Dept. of Psychiatry, Royal Edinburgh Hospital, Morningside Park, Edinburgh, EH10 5HF; Dir. N. B. KREITMAN, M.D., M.R.C.P.E., F.R.C.PSYCH., D.P.M.

M.R.C. Unit for Metabolic Studies in Psychiatry: University Dept. of Psychiatry, Middlewood Hospital, P.O.B. 134, Sheffield, S6 1TP; Hon. Dir. Prof. F. A. JENNER, M.B., PH.D., M.R.C.P., F.R.C.PSYCH., D.P.M.

M.R.C. Neurological Prostheses Unit: Institute of Psychiatry, De Crespigny Park, Denmark Hill, London, SE5 8AF; Hon. Dir. Prof. G. S. BRINDLEY, M.D., F.R.C.P., F.R.S.

M.R.C. Clinical Psychiatry Unit: Graylingwell Hospital, Chichester, Sussex; Dir. P. SAINSBURY, M.D., M.R.C.P., F.R.C.PSYCH., D.P.M.

M.R.C. Social Psychiatry Unit: Institute of Psychiatry, De Crespigny Park, London, SE5 8AF; Dir. Prof. J. K. WING, M.D., PH.D., F.R.C.PSYCH., D.P.M.

M.R.C. Applied Psychology Unit: 15 Chaucer Rd., Cambridge, CB2 2EF; Dir. A. D. BADDELEY, PH.D.

M.R.C. Developmental Psychology Unit: Drayton House, Gordon St., London, WC1N 0AN; Dir. N. O'CONNOR, PH.D.

M.R.C. Clinical and Population Cytogenetics Unit: Western General Hospital, Crewe Rd., Edinburgh, EH4 2XU; Dir. Prof. H. J. EVANS, PH.D., F.R.S.E.

M.R.C. Radiobiology Unit: Harwell, Didcot, Oxon., OX11 0RD; Dir. J. VENNART, D.SC., F.INST.P.

M.R.C. Reproduction and Growth Unit: Princess Mary Maternity Hospital, Newcastle upon Tyne, NE2 3BD; Dir. Prof. A. M. THOMSON, M.B., B.SC., F.R.C.O.G., D.P.H.

M.R.C. Unit on the Experimental Pathology of Skin: The Medical School, Birmingham, B15 2TJ; Dir. C. N. D. CRUICKSHANK, M.D., M.R.C.P., F.R.C.PATH., D.I.H.

M.R.C. Medical Sociology Unit: Institute of Medical Sociology, Westburn Rd., Aberdeen, AB9 2ZE; Dir. Prof. R. ILLSLEY, PH.D.

M.R.C. Toxicology Unit: M.R.C. Laboratories, Woodmansterne Rd., Carshalton, Surrey, SM5 4EF; Dir. T. A. CONNORS, D.SC.

M.R.C. Trauma Unit: University of Manchester Medical School, Stopford Bldg., Oxford Rd., Manchester, M13 9PL; Dir. H. B. STONER, M.D.

M.R.C. Tuberculosis and Chest Diseases Unit: Brompton Hospital, Fulham Rd., London, SW3 6HP; Dir. W. FOX, C.M.G., M.D., F.R.C.P., M.F.C.M.

M.R.C. Unit for Laboratory Studies of Tuberculosis: Royal Postgraduate Medical School, Ducane Rd., London, W12 0HS; Hon. Dir. Prof. D. A. MITCHISON, M.B., F.R.C.P., M.R.C.PATH.

M.R.C. Virology Unit: Institute of Virology, Church St., Glasgow, G11 5JR; Hon. Dir. Prof. J. H. SUBAK-SHARPE, PH.D., F.R.S.E.

M.R.C. Vision Unit: School of Biological Sciences, University of Sussex, Falmer, Brighton, Sussex, BN1 9QY; Dir. Prof. H. J. A. DARTNELL, D.SC., F.R.I.C.

M.R.C. Biochemical Parasitology Unit: Molteno Institute, Downing St., Cambridge, CB2 3EE; Dir. B. A. NEWTON, PH.D., M.R.C.PATH., F.I.BIOL., F.R.I.C.

M.R.C. Social and Applied Psychology Unit: University Department of Psychology, Sheffield, S10 2TN; Dir. P. B. WARR, PH.D.

M.R.C. Statistical Research and Services Unit: University College Hospital Medical School, 115 Gower St., London, WC1E 6AS; Dir. I. SUTHERLAND, D.PHIL.

M.R.C. Cell Mutation Unit: University of Sussex, Falmer, Brighton, Sussex, BN1 9QG; Dir. Prof. B. A. BRIDGES, PH.D.

M.R.C. Unit on Development and Integration of Behaviour: Sub-department of Animal Behaviour, Madingley, Cambridge, CB3 8AA; Hon. Dir. Prof. R. A. HINDE, M.A., SC.D., F.R.S.

M.R.C. Lipid Metabolism Unit: Hammersmith Hospital, Ducane Rd., London, W12 0HS; Dir. N. B. MYANT, D.M., B.SC., F.R.C.P.

M.R.C. Leukaemia Unit: Royal Postgraduate Medical School, Ducane Rd., London, W12 0HS; Hon. Dir. Prof. D. A. G. GALTON, M.D., F.R.C.P.

M.R.C. Hearing and Balance Unit: Institute of Neurology, The National Hospital, Queen Square, London, WC1N 3BG; Dir. J. D. HOOD, D.SC., F.INST.P.

M.R.C./D.H.S.S. Epidemiology and Medical Care Unit: Northwick Park Hospital, Watford Rd., Harrow, Middx., HA1 3UJ; Dir. T. W. MEADE, B.M., M.R.C.P., F.F.C.M.

M.R.C. Neurochemical Pharmacology Unit: University Dept. of Pharmacology, Hills Rd., Cambridge, CB2 2QD; Dir. L. L. IVERSEN, PH.D.

M.R.C. Clinical Pharmacology Unit: University Dept. of Clinical Pharmacology, Radcliffe Infirmary, Oxford, OX2 6HE; Hon. Dir. Prof. D. G. GRAHAME-SMITH, M.B., PH.D., F.R.C.P.

M.R.C. Reproductive Biology Unit: 2 Forrest Rd., Edinburgh, EH1 2QW; Dir. Prof. R. V. SHORT, SC.D., F.R.C.V.S., F.R.S.

M.R.C. Mammalian Genome Unit: Dept. of Zoology, West Main's Rd., Edinburgh, EH9 3JT; Dir. Prof. P. M. B. WALKER, C.B.E., PH.D.

M.R.C. Cell Biophysics Unit: Dept. of Biophysics, University of London, King's College, 26–29 Drury Lane, London, WC2B 5RL; Hon. Dir. Prof. M. H. F. WILKINS, C.B.E., PH.D., F.R.S.

M.R.C. Mammalian Development Unit: University College London, Wolfson House, 4 Stephenson Way, London, NW1 2HE; Dir. Miss A. MCLAREN, D.PHIL., F.R.S.

M.R.C. Development Neurobiology Unit: 33 St. John's Mews, London, W.C.1; Dir. R. BALÁZS, DR.MED., DR.PHIL.

Arthritis and Rheumatism Council for Research, The: Faraday House, 8–10 Charing Cross Road, London, W.C.2: f. 1936 to organize research into the causes and means of treatment of rheumatism, arthritis, and allied diseases; to encourage teaching, and to stimulate public authorities to provide treatment; Pres. Lord PORRITT, G.C.M.G., G.C.V.O., C.B.E., F.R.C.P., F.R.C.S.; Gen. Sec. M. C. G. ANDREWS.

Asthma Research Council: 12 Pembridge Square, London, W2 4EH; f. 1927 to promote research into asthma and its allied disorders; Patron H.R.H. The Duchess of GLOUCESTER; Chair. D. WALTERS, M.B.E., M.P.; Hon. Treas. D. E. FRANKLIN.

Beatson Institute for Cancer Research: Garscube Estate, Switchback Rd., Glasgow, G61 1BD, Scotland; f. 1911, renamed 1967; research in molecular pathology, particularly studies on the molecular biology of cellular differentiation in relation to cancer; staff of 60; library of 500 vols. and 40 journals; Dir. Dr. J. PAUL.

British Society for Research on Ageing: f. 1954 to encourage gerontological research in Great Britain by acting as a forum for the report and discussion of new advances in ageing research; open to all who are actively engaged in experimental gerontology; 140 mems.; Pres. Prof. M. R. P. HALL; Hon. Sec. Dr. C. ROWLATT, Dept. of Cell Pathology, Imperial Cancer Research Fund, Box 123, Lincoln's Inn Fields, London, WC2A 3PX.

Burden Neurological Institute: Stoke Lane, Stapleton, Bristol; f. 1939 to conduct research in neurology and psychiatry; library of 4,000 vols.; Dir. Dr. R. COOPER; Sec. JOHN SAGE.

Bureau of Hygiene and Tropical Diseases: Keppel St., London, WC1E 7HT; f. 1908 as Sleeping Sickness Bureau; Dir. R. SCHRAM, M.A., M.D.; Sec. A. H. PHIPPS, B.COM.; publs. *Abstracts on Hygiene*, *Tropical Diseases Bulletin* (both monthly).

Central Public Health Laboratory: Colindale Avenue, London, NW9 5HT; f. 1946; central laboratory of the Public Health Laboratory Service, 61 Colindale Avenue, London, NW9 5EQ, providing a bacteriological service for the control of the spread of infectious diseases; 350 staff; library of 20,000 vols.; Dir. Dr. ERIC MITCHELL, M.B., M.R.C.PATH., DIP.BACT.; Cross-Infection Reference Laboratory Dir. Dr. M. T. PARKER, M.D., DIP.BACT.; Division of Enteric Pathogens Dir. Dr. B. ROWE, M.A., M.B., D.T.M.&H.; Epidemiological Research Laboratory Dir. Dr. T. M. POLLOCK, M.B., CH.B., F.R.C.P.(GLASG.), F.F.C.M.; Food Hygiene Laboratory Dir. Dr. R. J. GILBERT, M.PHARM., PH.D., M.C.R.PATH.; National Collection of Type Cultures Curator Dr. S. P. LAPAGE, M.B., F.R.C.PATH., DIP.BACT.; Standards Laboratory for Serological Reagents Dir. Dr. C. M. P. BRADSTREET, M.B., DIP.BACT.; Virus Reference Laboratory Dir. Dr. M. S. PEREIRA, M.D.

Imperial Cancer Research Fund: Lincoln's Inn Fields, London, WC2A 3PX; f. 1902; library of 12,000 vols.; Chair. Prof. Sir ERIC SCOWEN, M.D., D.SC., F.R.C.P., F.R.C.S., F.R.C.P.E.; Dir. of Research M. G. P. STOKER, C.B.E., M.D., F.R.S.; Sec. A. B. L. CLARKE, O.B.E.

Institute of Cancer Research: f. 1910; Dir. Prof. L. F. LAMERTON, D.SC., F.INST.P., F.R.C.PATH.

Comprises:

Chester Beatty Research Institute: Fulham Rd., London, SW3 6JB; Prof. of Immunobiology Prof. A. J. S. DAVIES; Prof. of Chemistry Prof. A. B. FOSTER; Prof. of Organic Chemistry Prof. W. C. J. ROSS.

Institute of Cancer Research: Clifton Ave., Belmont Sutton, Surrey, SH2 5PX; Prof. of Physics applied to Medicine Prof. G. E. ADAMS; Prof. of Epidemiology Prof. M. R. ALDERSON; Prof. of Radiobiology Prof. P. ALEXANDER; Prof. of Tumour Pathology Prof. N. F. C. GOWING; Prof. of Biophysics applied to Medicine Prof. L. F. LAMERTON; Prof. of Experimental Pathology Prof. A. M. NEVILLE; Prof. of Radiotherapy Prof. M. J. PECKHAM; Prof. of Medicine (vacant).

Lister Institute of Preventive Medicine: *see* under University of London.

Liverpool School of Tropical Medicine: Pembroke Place, Liverpool, 3; f. 1898 and received its Charter of Incorporation 1905; governed by a Council representative of the University of Liverpool and the merchants and shipowners of Liverpool; its objects are to train medical and paramedical personnel proceeding to or coming from the tropics in all aspects of individual or community medicine in the tropics, to conduct original research into tropical diseases and their control, and to organize and conduct clinical and prophylactic measures against tropical diseases; Dean Prof. Chevalier H. M. GILLES, K.O.S.J., M.D., F.R.C.P., F.F.C.M., D.T.M.&H.; publ. *Annals of Tropical Medicine and Parasitology*.

Mathilda and Terence Kennedy Institute of Rheumatology: Bute Gardens, London, W6 7DW; f. 1966; conducts research into the causes and cure of the rheumatic diseases; Gen. Sec. A. V. PAYNE, F.C.I.S., M.R.S.H., M.B.I.M.

Nuffield Laboratories of Comparative Medicine: Institute of Zoology, The Zoological Society of London, Regent's Park, London, NW1 4RY; attached to Zoological Society of London (*q.v.*); Dir. L. G. GOODWIN, C.M.G., F.R.C.P., B.PHARM., B.SC., F.R.S.

Paterson Laboratories: Christie Hospital and Holt Radium Institute, Manchester Area Health Authority (Teaching) South District, Manchester, M20 9BX; f. 1932; conducts basic cancer research; 180 mems.; Dir. L. G. LAJTHA, M.D., D.PHIL., F.R.C.PATH.

Ross Institute of Tropical Hygiene: Keppel St., London, W.C.1; f. 1926 as a memorial to the late Sir Ronald Ross; it has since 1934 been a Dept. of the London School of Hygiene and Tropical Medicine; its objects are the teaching of tropical hygiene, the promotion of public health schemes in the tropics, particularly in relation to industry, and research both at home and in the field overseas; Chair. W. WILSON MAYNE, O.B.E., B.SC., M.I.BIOL.; Dir. Prof. D. J. BRADLEY, M.A., D.M., M.R.C.PATH., F.I.BIOL., M.F.C.M.; Organizing Sec. L. G. PONSFORD, LL.M.

Strangeways Research Laboratory: Wort's Causeway, Cambridge, CB1 4RN; f. 1912; research into cell biology, developmental biology, cancer, rheumatoid arthritis; Dir. M. ABERCROMBIE, F.R.S.

Wellcome Laboratories of Comparative Physiology: Institute of Zoology, The Zoological Society of London, Regent's Park, London, NW1 4RY; f. 1964 for studies on reproduction of mammals and other animals; the development of techniques for artificial breeding of animals in captivity, with special relation to zoological collections; part of The Zoological Society of London (*q.v.*); Dir. R. D. MARTIN.

Wellcome Laboratories of Tropical Medicine: Langley Court, Beckenham, Kent, BR3 3BS; Head O. D. STANDEN, D.SC., M.SC.

Wellcome Research Laboratories: Langley Court, Beckenham, Kent, BR3 3BS; Group Research and Development Dir. J. R. VANE, D.SC., F.R.S.; Dir. of Establishment M. WEATHERALL, M.A., D.M., D.SC., F.I.BIOL.

West Midland Institute of Geriatric Medicine and Gerontology: c/o Moseley Hall Hospital, Alcester Rd., Moseley, Birmingham, B13 8JL; f. 1971; the first institute of its kind in the U.K.; to promote and advance science and medicine relating to the development of gerontology and of medicine in old age; 174 mems.; small specialist library; Chair. Dr. L. NAGLEY; Dir. Dr. O. H. D. PORTSMOUTH; Sec. Dr. A. V. BARFORD.

NATURAL SCIENCES

Natural Environment Research Council: Polaris House, North Star Ave., Swindon, SN2 1EU; established by Royal Charter 1965; the natural environmental sciences supported by the Council include geology, geophysics and geochemistry; physical oceanography and marine ecology; hydrology, freshwater ecology; terrestrial ecology and some aspects of meteorology; Council also makes awards for postgraduate training, research grants and fellowships; Chair. Prof. J. W. L. BEAMENT, F.R.S.; Sec. R. J. H. BEVERTON, C.B.E., F.R.S.

The component institutes of the Council are:

Institute of Geological Sciences: Exhibition Rd., London, SW7 2DE: incorporates the Geological Survey of Great Britain, the Geological Museum and the Overseas Geological Surveys; offices also at Edinburgh, Leeds, Nottingham, Belfast, Exeter; Dir. Dr. A. W. WOODLAND, C.B.E.

Institute of Oceanographic Sciences: Wormley Laboratory, Wormley, Godalming, Surrey, GU8 5UB; Bidston Observatory, Bidston, Birkenhead, L43 7RA; Taunton Laboratory, Crossway, Taunton, TA1 2DW; Dir. A. S. LAUGHTON, PH.D.

Institute for Marine Environmental Research: Project Place, Plymouth, PL1 3DH; Dir. R. S. GLOVER, B.SC., F.R.S.E.

Institute of Marine Biochemistry: St. Fitticks Rd., Aberdeen, AB1 3RA; Dir. P. T. GRANT, PH.D.

Sea Mammal Research Unit: c/o British Antarctic Survey, Madingley Rd., Cambridge, CB3 0ET; Dir. R. M. LAWS, PH.D.; Officer in charge C. F. SUMMERS, PH.D.

Institute of Hydrology: Maclean Bldg., Crowmarsh Gifford, Wallingford, Oxon., OX10 8BB; Dir. J. S. G. MCCULLOCH, PH.D., F.INST.P.

Institute of Terrestrial Ecology: 68 Hills Rd., Cambridge, CB2 1LA; research and advisory service in conservation and wildlife management; research stations at Merlewood, Monks Wood, Furzebrook, Edinburgh, Colney, Banchory, Bangor, Cambridge; Dir. J. N. R. JEFFERS.

Unit of Invertebrate Virology: 5 South Parks Rd., Oxford, OX1 3RB; Dir. T. W. TINSLEY, PH.D.

British Antarctic Survey: Madingley Rd., Cambridge, CB3 0ET; Dir. R. M. LAWS, PH.D.

Unit of Comparative Plant Ecology: Dept. of Botany, University of Sheffield, S10 2TN; Head of Unit I. H. RORISON, D.PHIL.

Grant-aided establishments:

Marine Biological Association of the United Kingdom: *See* under Learned Societies.

Scottish Marine Biological Association: *See* under Learned Societies.

Unit of Marine Invertebrate Biology: Marine Science Laboratories, Menai Bridge, Gwynedd, LL59 5EH; Hon. Dir. Prof. D. J. CRISP, C.B.E., F.R.S.

Freshwater Biological Association: *See* under Learned Societies.

Special services:

Experimental Cartographic Unit: 6A Cromwell Rd., London, SW7 2JN; Dir. D. P. BICKMORE, M.A.

NERC Research Vessel Services: No. 1 Dock, Barry, South Glamorgan, CF6 6UZ; Dir. L. M. SKINNER, PH.D.

Science Research Council: P.O.B. 18, North Star Ave., Swindon, SN2 1ET; f. 1965; covers a large field of fundamental science; supports research in engineering and technology in universities. Its charter makes provision for it to carry out research and development through its own establishments; to encourage and support similar research by any other person or body; to provide and operate equipment for common use by universities, technical colleges and like institutions; to make grants for postgraduate studies and to disseminate knowledge of science and technology.

Chairman of Council: Prof. GEOFFREY ALLEN, F.R.S.

Secretary: BRIAN W. OAKLEY.

The estimated annual budget is around £145 million and total staff about 2,800.

The Council is responsible for the following researcb establishments:

Royal Greenwich Observatory: Herstmonceux Castle, Sussex; f. 1675 at Greenwich; Dir. Prof. F. GRAHAM SMITH, F.R.S.; publs. *Annual Report*, various reports of observations.

Royal Observatory, Edinburgh: Edinburgh, EH9 3HJ; f. 1818; the observatory also houses the Dept. of Astronomy of the Edinburgh University; Dir. and Astronomer Royal for Scotland Prof. V. C. REDDISH, O.B.E., D.SC., PH.D.; research and teaching in Astrophysics, Stellar Astronomy and Space Research; publs. *Annual Report, Publications*†, *Communications*† and papers.

Appleton Laboratory (fmrly. Radio and Space Research Station): Ditton Park, nr. Slough, Berks.; f. 1928; provides services in support of the Council's space research programme; radio research, mainly into radio wave propagation; it has an 82-ft. steerable aerial at Chilbolton, Hants.; Dir. Dr. F. HORNER; publs. *Triennial Report*, technical reports.

Rutherford Laboratory: Chilton, Didcot, Oxon.; f. 1957; supports university teams engaged in particle physics research at CERN and other overseas facilities; has a central laser facility for plasma physics and compression studies and is constructing a new spallation neutron source based on a proton synchrotron; Dir. Dr. G. H. STAFFORD, C.B.E.; publs. *Annual Report*, scientific and technical publs.

The Daresbury Laboratory: Daresbury, Warrington, Lancs.; f. 1958; is building a 30 MV tandem electrostatic generator for research into nuclear structure, and an electron storage ring as a source of high intensity electromagnetic radiation which will be used in a wide scope of research projects; Dir. Prof. A. ASHMORE; publs. *Annual Report*, scientific and technical publs.

Cambridge University Institute of Astronomy: The Observatories, Madingley Rd., Cambridge, CB3 0HA; incorporating former Observatory f. 1824; Solar Physics Observatory f. 1913; Institute of Theoretical Astronomy f. 1967; 100 mems.; library of 12,500 vols.; work on observational and theoretical astrophysics; Dir. Prof. M. J. REES; publ. *Annual Report*†.

Fulmer Research Institute, Ltd.: Stoke Poges, Slough, Berks., SL2 4QD; f. 1946; owned by the Institute of Physics; the Institute carries out contract research, principally in the fields of metallurgy, plastics and polymers, ceramics, physical, inorganic and organic chemistry, solid state physics and engineering for Government and industrial sponsors, both British and Overseas; 250 staff; library of 10,000 vols.; Chair. Sir Ieuan Maddock, C.B., O.B.E., F.R.S.; Managing Dir. W. E. Duckworth; publ. *FRI Newsletter* (quarterly).

Meteorological Office: London Rd., Bracknell, Berks., RG12 2SZ; f. 1855; the state weather service; Dir.-Gen. Dr. B. J. Mason, C.B., F.R.S.; publs. weather reports, *Geophysical Memoirs, Scientific papers, Meteorological Magazine, Marine Observer*, etc.

Mullard Radio Astronomy Observatory: Cavendish Laboratory, Cambridge; f. 1945; 75 mems.; Dir. Prof. Sir Martin Ryle; publs. numerous scientific papers.

National Computing Centre Ltd., The: Oxford Rd., Manchester, M1 7ED; f. 1966; a non-profit-distributing organization financed by industry, commerce and government; promotes the wider and more effective use of computers; gives information, advice and training, supplies software packages, promotes standards and codes of practice, co-operates with, and coordinates the work of, members and other organizations concerned with computers and their use; 1,500 mems.; Chair. Prof. J. H. H. Merriman, C.B., O.B.E., M.SC., M.INST.P., C.ENG., F.I.E.E., F.K.C.; Dir. D. Firnberg; publ. *House Journal* (every 2 months).

Nuffield Radio Astronomy Laboratories: Jodrell Bank (University of Manchester): Macclesfield, Cheshire; the station has four large steerable radio telescopes, including the Mark 1A 250-ft. diameter paraboloidal reflector (and access to a telescope in Worcestershire); these can be directed to follow radio objects in any part of the sky; work includes research on the galactic and extra-galactic radio emissions; observations of radio emission from quasars, pulsars and flare stars; long base-line interferometry; tracking of lunar and planetary space probes; Dir. Prof. Sir Bernard Lovell, O.B.E., F.R.S.

Royal Botanic Garden: Edinburgh, EH3 5LR; The National Botanic Garden of Scotland; f. 1670; taxonomic research; courses leading to diploma in horticulture; outstations—Younger Botanic Garden, near Dunoon, Argyll, Logan Botanic Garden, Stranraer, Wigtownshire; Herbarium of *c.* 1,700,000 specimens; library: *see* Special Libraries; Regius Keeper D. Henderson; publ. *Notes from the Royal Botanic Garden, Edinburgh*†.

Royal Botanic Gardens: Kew, Richmond, Surrey; f. 1759 by Princess Augusta of Saxe-Gotha, Dowager Princess of Wales; became a National Botanic Garden 1841; Dir. Prof. J. P. M. Brenan; publs. *Kew Bulletin, Index Kewensis, Hooker's Icones Plantarum, Curtis' Botanical Magazine, Willis's Dictionary of the flowering plants and ferns, Kew Record of Taxonomic Literature.*

United Kingdom Atomic Energy Authority: 11 Charles II St., London, SW1Y 4QP; f. 1954 to take over responsibility for research and development in atomic energy; may now also undertake certain research and development in other fields; Chair. Sir John M. Hill, PH.D.; Sec. P. J. Searby; publ. *Atom* (monthly).

Atomic Energy Establishment: Winfrith, Dorchester, Dorset; Dir. H. Cartwright, M.B.E.

Culham Laboratory: Culham, Abingdon, Oxon.; Dir. Dr. R. S. Pease, F.R.S.

Atomic Energy Research Establishment: Harwell, Oxon.; Dir. Dr. L. E. J. Roberts, C.B.E.

Northern Division: Risley, Warrington, Lancs.; Man. Dir. Dr. T. N. Marsham, C.B.E.

University Marine Biological Station: Millport, Isle of Cumbrae, Scotland; f. 1896, re-organized 1970 as University station for provision of teaching and research facilities in Marine Biology primarily for universities of London and Glasgow but also for other universities; for supply of marine specimens to U.K. universities; 40 mems.; library of 2,000 vols.; Dir. Prof. J. A. Allen; Sec. Miss E. M. Palfalvy; publ. *Annual Report*.

University Observatory: Dept. of Astrophysics, Oxford; f. *c.* 1870; teaching and research in astronomy and atomic spectroscopy, with particular reference to solar, stellar and extragalactic physics, cosmology and theoretical astrophysics; library of approx. 5,000 books; 7 academic staff; Dir. D. E. Blackwell.

University of London Observatory: Mill Hill Park, London, N.W.7; f. 1929; teaching and research in astronomy; Dir. Prof. R. Wilson.

Wildfowl Trust: Slimbridge, Glos.; f. 1946; 15,000 mems.; concerned with all aspects of the biology of the Anatidae, particularly those related to conservation, research and education; the world's largest comparative collection of living wildfowl is maintained at Slimbridge; other centres open to the public all year round at Arundel, Sussex; Caerlaverock, Dumfriesshire; Martin Mere, Lancs.; Peakirk, Cambs.; Washington, Tyne and Wear; Welney, Norfolk; Hon. Dir. Sir Peter Scott, C.B.E., D.S.C., LL.D.; Dir. Research G. V. T. Matthews, M.A., PH.D.; publs. *Wildfowl*† (annually), *Wildfowl News* (2 a year).

Philosophy and Psychology

Institute of Psychophysical Research: 118 Banbury Rd., Oxford, OX2 6JU; f. 1961; carries out academic research in the fields of philosophy, psychology and theoretical physics, and their inter-relationships; Dir. C. E. Green, B.LITT., M.A.; publ. *Proceedings*† (irregular).

Religion, Sociology and Anthropology

Institute for the Study and Treatment of Delinquency: 34 Surrey St., Croydon, Surrey; f. 1931 to initiate and promote scientific research into the causes and prevention of crime; founder of the Portman Clinic, an outpatient clinic for diagnosis and treatment of delinquents, with an advisory service to courts; 1,500 mems.; Pres. Lord Kilbrandon, P.C.; Chair. of Council Prof. T. C. N. Gibbens, M.B.E., M.D., D.P.M.; Gen. Sec. Miss E. Saville, M.B.E.; publs. *British Journal of Criminology* (quarterly), *Annual Report*, monographs and pamphlets.

Social Science Research Council: 1 Temple Ave., London, EC4Y 0BD; f. 1965; makes grants to assist research in universities, polytechnics and independent institutions; financial support to postgraduate students and provides information on the social sciences; Chair. M. V. Posner; Sec. C. S. Smith; publs. *SSRC Newsletter*† (3 a year), *SSRC Annual Report*†, *Research Supported by the SSRC*† (annually).

Tavistock Institute of Human Relations: Tavistock Centre, Belsize Lane, London, NW3 5BA; incorporated 1947; study of human relations in conditions of well-being, conflict or breakdown in the family, the work group, the community and the larger organization; disciplines range from clinical psychology to operational research; library of 15,000 vols.; Sec. S. G. Gray, F.C.I.S., F.C.I.I.; publ. *Human Relations* (monthly).

Technology

Government Department Research Establishments concentrate on research and development that is in the national interest, and serve three main purposes: they contribute to the efficiency of industry as a whole, work on specific problems within particular industries, and help central and local authorities to provide necessary services; the establishments are grouped under the relevant Departments as follows:

Department of Industry Research Establishments:

Computer Aided Design Centre: Madingley Rd., Cambridge, CB3 0HB; Dir. A. I. Llewelyn, O.B.E., B.Sc.; publs. various.

Laboratory of the Government Chemist: Cornwall House, Stamford St., London, SE1 9NQ; provision of scientific advice and a comprehensive analytical service to government depts., other official organizations and where appropriate the private sector; research in analytical chemistry; staff of *c.* 430; Government Chemist Dr. H. Egan, B.Sc., Ph.D., D.I.C., C.Chem., F.R.I.C., F.R.S.H.; publs. various.

National Engineering Laboratory: East Kilbride, Glasgow, G75 0QU; f. 1947 for mechanical engineering research, development and testing; Dir. D. H. Mallinson, B.Sc.; publ. *Research Reports.*

National Physical Laboratory: Teddington, Middx., TW11 0LW; f. 1900; national standards of measurement; definitive data with regard to engineering materials; computing technique; Dir. P. Dean, Ph.D., F.Inst.P., F.I.M.A.; publs. various.

Torry Research Station: (*see* under University of Aberdeen).

Warren Spring Laboratory: Stevenage, Herts.; f. 1959; research on industrial technology and environmental technology; Dir. A. J. Robinson, Ph.D., C.Eng., A.R.S.M., F.I.M.M.; publs. various.

Ministry of Defence Research Establishments:

Admiralty Marine Technology Establishment: Teddington, Middlesex; Dir. A. B. Mitchell.

Admiralty Surface Weapons Establishment: Portsdown, Portsmouth, Hants.; Dir. K. F. Slater.

Admiralty Underwater Weapons Establishment: Portland, Dorset; library of 15,000 vols., 50,000 reports; Head of Library and Information Services: M. G. Sims; Dir. I. L. Davies.

Aeronautical Research Council (The): Ministry of Defence (P.E.), c/o National Physical Laboratory, Teddington, Middx., TW11 0LW; Chair. Prof. P. R. Owen, C.B.E., M.Sc., D. ès S., F.R.Met.S., A.F.A.I.A.A., F.R.S.; Sec. P. G. Downing, B.Sc., F.I.S.

Aeroplane and Armament Experimental Establishment: Boscombe Down, Salisbury, Wiltshire; Commandant Air Cdre. R. L. Topp, A.F.C.

Chemical Defence Establishment: Porton Down, Salisbury, Wilts.; Dir. Dr. R. G. H. Watson.

Microbiological Research Establishment: Porton Down, Salisbury, Wilts., SP4 0JG; bacteriology, virology, biochemistry, biophysics, genetics, health hazards, safety, toxicity, etc.; Dir. Dr. R. J. C. Harris; publs. *Brochure*†, *Abstracts of Work*† (annually).

Military Vehicles and Engineering Establishment: Chobham Lane, Chertsey, Surrey; Dir. J. Ellis.

National Gas Turbine Establishment: Pyestock, Farnborough, Hants.; Dir. T. H. Kerr.

Propellants, Explosives and Rocket Motor Establishment: Powdermill Lane, Waltham Abbey, Essex, EN9 1BP; research and development of explosives, propellants, materials, chemistry; also at Westcott, nr. Aylesbury, Bucks., HP18 0NZ: research and development of rocket motor technology.

Royal Aircraft Establishment: Farnborough, Hants.; Dir. R. P. Probert, C.B., i.d.c.

Royal Armaments Research and Development Establishment: Fort Halstead, Sevenoaks, Kent; Dir. W. B. H. Lord.

Royal Signals and Radar Establishment: Malvern, Worcs., WR14 3PS; Dir. A. Smart.

Royal Signals and Radar Establishment: Baldock, Herts.; Chief Supt. G. P. Wright.

Department of the Environment Research Establishments:

Building Research Establishment: Garston, Watford, WD2 7JR; f. 1972 by merger of the Building Research Station, the Fire Research Station and the Forest Products Research Laboratory; Dir. J. B. Dick, C.B., M.A., F.Inst.P.; publs. *BRE News*, *Building Research Establishment Digests*, etc.

Water Research Centre: Elder Way, Stevenage, Herts., and Henley Rd., Medmenham, P.O.B. 16, Marlow, Bucks.; f. 1974 (by amalgamation of two Laboratories); U.K. centre for research on water pollution and treatment of water and waste-water; an Industrial Research Association financed by members; Dir. J. L. van der Post, B.Sc., C.Eng., F.I.Mech.E., F.I.Gas.E.; publs. *Annual Reports*, *Technical Reports*, *WRC Information* (weekly), *WRC News-sheet*, *Notes on Water Research* (every 2 months), Occasional Reports.

British Ceramic Research Association: Queens Rd., Penkhull, Stoke-on-Trent, Staffs., ST4 7LQ; f. 1948; research into properties of raw materials and products of the pottery, refractories and clay building materials industries; manufacturing processes; design and performance of machinery and kilns; performance and high-temperature physics and chemistry of refractories and special ceramics; strength of brick masonry and stresses in buried clay pipe-lines; improved methods of chemical and physical testing; *c.* 300 mems.; library of 13,000 vols. and 40,000 pamphlets; Chair. D. S. Hartley; Dir. D. W. F. James, Ph.D.; Sec. N. J. Bramhall, B.A.; publs. papers, reports, *British Ceramic Abstracts.*

BHRA Fluid Engineering (British Hydromechanics Research Association): Cranfield, Bedford, MK43 0AJ; f. 1947; undertakes both general research and contract research and development into specific projects; maintains an extensive information service; ordinary and associate membership; Pres. The Rt. Hon. Viscount Simon, C.M.G.; Dir. of Research G. F. W. Adler, B.Sc.Eng., D.I.C., C.Eng., F.I.Mech.E.; Sec. R. Chadwick, F.C.I.S., M.I.L.; Head of Information Dept. and Library H. S. Stephens, F.I.Inf.Sc., Mem.A.S.M.E., Mem.A.S.L.E.

British Glass Industry Research Association: Northumberland Rd., Sheffield, S10 2UA; f. 1955; Chair. A. Phizacklea, B.Sc.Tech., A.M.B.I.M.

British National Committee on Space Research: c/o The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG; f. 1959 to foster scientific interest in the general fields of space research, particularly in relation to the activities of the Committee on Space Research (COSPAR) of the International Council of Scientific Unions; Chair. Prof. Sir Harrie Massey, Sec.R.S.

British Ship Research Association: Wallsend Research Station, Wallsend, Tyne and Wear, NE28 6UY; f. 1944; Sec. D. Jeffrey; publ. *Journal of Abstracts* (monthly).

Centre for the Study of Industrial Innovation: 162 Regent St., London, W1R 6DD; f. 1970; economic study and analysis of specific and general topics in the field of industrial innovation; library of current journals and periodicals; Chair. D. Burn; Dir. G. Teeling-Smith.

Construction Industry Research and Information Association: 6 Storey's Gate, London SW1P 3AU; Dir. Dr. A. R. COLLINS.

Foundation for Business Responsibilities: 5 Plough Place, Fetter Lane, London, EC4A 1JX; f. 1966 as Industrial Educational and Research Foundation; to enable directors, members of the civil service, members of Parliament and trade union leaders to examine the principles and responsibilities underlying business decisions; Chair. of the Trustees Sir JOHN REISS, B.E.M.; Dir. MICHAEL IVENS.

Malaysian Rubber Producers' Research Association: Tun Abdul Razak Laboratory, Brickendonbury, Hertford, SG13 8NL; f. 1938; library of 3,500 books and 200 periodicals, information retrieval system containing 15,000 items; Dir. of Research Dr. L. MULLINS; publs. *Annual Report, Rubber Developments* (quarterly), *NR Technology* (quarterly), *Technical Bulletin, List of Publications* (quarterly).

National Research Development Corporation: Kingsgate House, 66-74 Victoria St., London, SW1E 6SL; f. 1949; an independent public corporation which promotes the adoption by industry of new products and processes invented in government laboratories, universities, and elsewhere, advancing money where necessary to bring them to a commercially viable stage; assists industrial development; library of 2,000 vols., and 200 periodicals; Chair. Lord SCHON, D.C.L. (until March 1979); Man. Dir. W. MAKINSON, C.B.E., M.SC., F.R.AE.S., C.ENG., M.I.E.E.; Head of Public Relations B. S. W. MANN, C.ENG., M.I.MECH.E., M.I.INF.SC.; publs. *Bulletin* (every 6 months), reports and pamphlets.

Production Engineering Research Association (PERA): Melton Mowbray, Leics.; f. 1946; a joint foundation by industry and government to carry out production research and provide advice and information on all aspects of manufacturing and management; membership is open to firms engaged in manufacturing production; Dir. of Research Dr. D. F. GALLOWAY, C.B.E.

Scottish Universities' Research and Reactor Centre: East Kilbride, Glasgow, G75 0QU; f. 1963; provides research and teaching facilities in reactor physics, radiochemistry, nuclear physics, activation analysis, radiation chemistry, nuclear medicine, isotope geology, stable isotope geo-chemistry and carbon dating; Dir. Prof. H. W. WILSON, PH.D., F.INST.P., F.R.S.E.

Transport and Road Research Laboratory: Crowthorne, Berkshire; estab. 1933; since 1971 controlled by Department of the Environment; research on road materials and construction, road traffic, transportation and safety; 53,500 books and pamphlets and 900 journals in library; Dir. A. SILVERLEAF, C.ENG., F.R.I.N.A., F.I.C.E., F.C.I.T.; publs. *Annual Reports, Text Books, Technical Papers, R.R.L. Reports* and *Road Notes*.

Tropical Products Institute: 56-62 Gray's Inn Rd., London, WC1X 8LU; research and development work on the handling, preservation, processing, quality control, storage, marketing and utilization of the plant and animal products of the tropics and sub-tropics; scientific, technical and economic advisory service for developing countries; library and technical index; staff of 380; Dir. P. C. SPENSLEY, M.A., B.SC., D.PHIL., F.R.I.C.; publs. *Tropical Science*† (quarterly), *T.P.I. Reports, Biennial Report, Oil Palm News* (twice yearly), *Tropical Stored Products Information* (twice yearly), *Bibliography of Insecticide Materials of Vegetable Origin* (twice yearly), *Library Accessions Bulletin* (every 3 weeks), *Crop and Product Digest* (series), *Tropical Storage Abstracts* (every 2 months), *Tropical Products Institute Newsletter* (3 a year), *Rural Technology Guides* (series), *Post-harvest leaflets* (series).

LIBRARIES AND ARCHIVES

Archives. The collections in many libraries listed below are not confined to printed books but include quantities of archives and manuscripts. In nearly every English county and in several in Wales there is a County Record Office, usually in the County town. A full list of these and of other archive repositories is given in *Record Repositories in Great Britain* (H.M.S.O.).

NATIONAL ARCHIVES

Public Record Office: Ruskin Ave., Kew, Richmond Surrey, TW9 4DU and Chancery Lane, WC2A 1LR; national archives of the United Kingdom; over 50 million documents; museum exhibits include the Domesday Book, the 1225 Magna Carta, royal autographs and historical and biographical documents spanning eight centuries; Keeper of Public Records A. W. MABBS; the Office's numerous publications are listed in H.M.S.O.'s *British National Archives*.

Libraries: The selection of libraries given below is classified as follows:

National Libraries.
Government Libraries.
Public Libraries.
Special Libraries.
University and College Libraries.

NATIONAL LIBRARIES

THE BRITISH LIBRARY

Founded 1972 under the British Library Act. Formed from the former British Museum Library, National Central Library, British National Bibliography Ltd., and the National Lending Library for Science and Technology. I has three main divisions: Reference, Lending and Bibliographic Services.

BOARD OF MANAGEMENT:
Store St., London, WC1E 7DG.

Chairman: Sir FREDERICK DAINTON, F.R.S.
Deputy Chairman and Chief Executive: Sir HARRY HOOKWAY.

Publications: *The British Library Journal* (2 a year), *Annual Report*.

Reference Division: Great Russell St., London, WC1B 3DG; contains over 9,500,000 printed books, about 80,000 Western and 30,000 Oriental MSS., 100,000 charters and rolls, 18,000 detached seals and casts of seals, 3,000 Greek and Latin papyri, and a fine collection of Egyptian papyri; Public Reading Rooms for research, admission by ticket; Dir.-Gen. D. T. RICHNELL, C.B.E.

The Reference Division has four major departments:

Department of Printed Books: the most comprehensive copyright library of the United Kingdom, with large collections of early and foreign books and periodicals; there are sub-departments housing official papers, maps, music and postage stamps, and the Newspaper Library (Colindale Ave., London, NW9 5HE); Senior Keeper R. J. FULFORD.

Department of Manuscripts: covers Western history, art and literature, including manuscripts, maps and music, from the earliest times to the present day in the form of books and documents; Dir. and Keeper D. P. WALEY.

Department of Oriental MSS., and Printed Books: covers the languages and literature of Asia and North Africa; especially rich in Hebrew, Arabic and Persian MSS., and ancient versions of the Bible; the Chinese library contains more than 60,000 MSS., and printed rolls (one, the Diamond Sutra of A.D. 868, being the oldest dated, printed document in the world); Dir. and Keeper G. E. MARRISON.

The Reference Division's exhibition galleries of books, maps, MSS. and postage stamps are open to the general public in Great Russell St., London, WC1B 3DG.

Science Reference Library: principal public reference library in the United Kingdom for contemporary literature of physical sciences, technology, engineering and the life sciences; Dir. M. W. HILL; publs. *Guide to S.R.L., Aid to Readers, Periodical Publications in the S.R.L., S.R.L. News*, etc.

Holborn Branch: 25 Southampton Buildings, London, WC2A 1AW; f. as Patent Office Library 1855; 18,000 periodicals and reports, 60,000 vols.; comprehensive collection of world patents literature.

Bayswater Branch: 10 Porchester Gardens, Queensway, London, W2 4DE; f. 1966; complements Holborn Branch collection on sciences, specializing in life sciences; 16,000 periodicals and reports; 21,000 vols.

Lending Division: Boston Spa, Wetherby, West Yorks., LS23 7BQ; combines the resources of the former National Central Library and the former National Lending Library for Science and Technology; *c.* 3,000,000 vols., 48,000 current periodicals and *c.* 2,000,000 documents in microform; national centre for interlibrary lending; the Gift and Exchange Section is a major centre for the redistribution of unwanted books; also contains the U.K. Medlars Service; publs. *Interlending Review* (quarterly), *Index of Conference Proceedings Received* (monthly with cumulations), *Current Serials Received* (annually), *Brief Guide*; Dir.-Gen. M. B. LINE, F.L.A.

Bibliographic Services Division: Store St., London, WC1E 7DG; records a wide selection of printed material acquired for the Reference Division and provides computer-generated bibliographic services; the Copyright and English Language Dept. is responsible for the Copyright Receipt Office (legal depository for all publications in the U.K. and Ireland); also houses the National Serials Data Centre, which assigns International Standard Serial Numbers (ISSN) to British Serials and is linked to the UNESCO-sponsored International Serials Data Centre in Paris; Dir.-Gen. R. E. COWARD; publs. *The British National Bibliography* (weekly), *British Catalogue of Music, British Education Index, Books in English* (ultramicrofiche).

Research and Development Department: Sheraton House, Great Chapel St., London, W1V 4BH; incorporates the functions of the fmr. Office of Scientific and Technical Information (OSTI); promotes and supports research and development related to libraries and information in all fields, and to this end awards research grants and contracts to outside bodies; Dir. J. C. GRAY.

National Library of Scotland: George IV Bridge, Edinburgh, EH1 1EW; formerly known as the Advocates' Library; f. 1682; contains about 3,000,000 vols. and pamphlets and a large collection of MSS.; under Copyright legislation may claim any book, etc., published in the United Kingdom and Ireland; Chair. of the Trustees M. F. STRACHAN, M.B.E., M.A.; Librarian E. F. D. ROBERTS, M.A., PH.D.; Keepers of MSS. J. S. RITCHIE, M.A., T. I. RAE, PH.D.; Keepers of Printed Books J. R. SEATON, M.A., W. H. BROWN, M.SC., F.L.A., R. DONALDSON, PH.D., I. D. MCGOWAN; Sec. B. G. HUTTON, B.A.

National Library of Scotland Lending Services: Lawnmarket, Edinburgh, EH1 2PJ; f. 1921 as Scottish Central Library, merged with Nat. Library of Scotland 1974; maintains a stock of scarce and expensive books to supplement the reserves of Scottish public libraries, and to act as the headquarters for Scottish inter-library co-operation; *c.* 80,000 vols.; houses Scottish Union Catalogue recording locations for *c.* 750,000 works.

National Library of Wales: Aberystwyth, Dyfed; f. 1907; one of the six copyright libraries of the British Isles; contains nearly 2,000,000 printed books, 30,000 MSS., over 3,500,000 deeds and documents and 120,000 maps, prints and drawings, including the finest existing Welsh collection; diaries and correspondence of David Lloyd George; Librarian DAVID JENKINS, C.B.E., M.A. (until May 1979); publs. *The National Library of Wales Journal* (twice yearly), *Bibliotheca Celtica* (annually).

GOVERNMENT LIBRARIES

LONDON

Departments of Industry, Trade and Prices and Consumer Protection Libraries: 1 Victoria St., SW1H 0ET; Head of Library Services C. D. OVERTON, M.A., F.L.A.; publ. *Publications* (annual list of Departmental documents).

Department of Industry Library: Abell House, John Islip St., London, SW1P 4LN; f. 1970 (fmrly part of Min. of Technology library); 42,115 vols. on industrial technology and development; management of research and development; science policy; Librarian K. L. GIBSON, B.A., F.L.A.

Department of Trade Library: 1 Victoria St., London, SW1H 0ET; f. 1950; mainly current material covering social sciences, descriptive economics (incl. commercial organization throughout the world); Librarian F. COCHRANE, F.L.A., D.G.A.; branch library:

Solicitor's Library: Kingsgate House, 66-74 Victoria St., SW1E 6SJ; English and EEC law with emphasis on commercial and industrial subjects; Librarian N. A. HASKER, LL.B., A.L.A.

Department of Trade Marine Library: Sunley House, 90 High Holborn, London, WC1V 6LP; f. 1968; 6,600 vols. on marine safety; employment, safety and health of seamen; safety of navigation; search and rescue; oil pollution; shipping economics; Librarian T. J. MARRIOTT, B.A., A.L.A.

Department of Trade Statistics and Market Intelligence Library: Export House, 50 Ludgate Hill, London, EC4M 7HU; f. 1962; 109,750 vols. on foreign and international official statistics; foreign trade directories; U.K. official statistics; public reference library; Librarian Miss M. H. WILSON, A.L.A.; publs. *National Statistical Offices of Overseas Countries* (annually), *Sources of Statistics and Market Information* (bibliographical series), *Statistics Directories Information: new at SMIL* (quarterly).

Business Statistics Office Library: Cardiff Rd., Newport, Gwent, NPT 1XG; f. 1969; statistical methodology and U.K. official statistics; provides enquiry and information service; Librarian P. C. MCSHANE, M.A., A.L.A.

Department of Prices and Consumer Protection Library: Millbank Tower, Millbank, London, SW1P 4QU; f. 1978; current material on prices policy and consumer affairs.

Department of Energy Library: Thames House South, Millbank, London, SW1P 4QJ; 20,000 vols. on energy policy and technology; economics of energy; alternative energy sources; Librarian G. E. HAMILTON, F.L.A.; publs. *Dept. of Energy Publications in Print* (irregular).

Offshore Supplies Office Library: Alhambra House, 45 Waterloo St., Glasgow, G2 6AS; f. 1974; current material on all aspects of the offshore oil and gas industry; Librarian Miss A. NEIL, B.A.

Monopolies and Mergers Commission Library: 48 Carey St., London, WC2A 2JT; f. 1970; 1,545 vols. on monopoly, competition and anti-trust salary surveys; industrial economics; Librarian Miss M. J. AITCHISON, A.L.A.

Office of Fair Trading Library: Field House, Breams Bldgs., London, EC4 1PR; f. 1973; 8,416 vols. on consumer affairs; consumer credit; monopolies; mergers and restrictive practices; Librarian Mrs. P. F. WEST.

Prices Commission Library: Cleland House, Page St., London SW1P 4LW; f. 1973; 6,485 vols. on prices policy, incomes distribution; Librarian Mrs. R. GOONESENA, B.A., A.L.A.

Foreign and Commonwealth Office Library: Sanctuary Buildings, Great Smith St., S.W.1; additional service points in Downing Street, S.W.1, and Cornwall House, Stamford St., S.E.1. The library serving the Ministry of Overseas Development is situated in Eland House, Stag Place, S.W.1. The library specializes in publications on international relations and diplomacy and the history, economy, politics and law of foreign and commonwealth countries; includes books on early travel, diplomatic memoirs, treaty collections and material on all aspects of overseas development and technical assistance; about 750,000 volumes, mainly in European languages, long runs of periodicals and a map collection; Librarian Miss E. C. BLAYNEY, A.L.A.

Department of Education and Science Library: Elizabeth House, York Rd., S.E.1; f. 1896 (had its origins in an exhibition of English and foreign books and educational apparatus in London in 1854); contains over 183,000 vols.; the largest section consists of books and official publications dealing with the organization and administration of education in all parts of the world; there is also a representative collection of books on theory of education, methods of teaching, psychology, educational buildings and equipment; Librarian DAPHNE M. JEPSON, A.L.A.; publs. *Educational Development at Home and Abroad* (monthly), subject bibliographies.

Departments of the Environment and Transport Library: 2 Marsham St., SW1P 3EB; provides information for the staff of the Department on housing, environmental and regional planning, pollution, highways, local government, natural resources, new towns, town and country planning, roads, ports, docks and harbours, traffic, transport, recreation, urban renewal, water supply and sewerage; publs. *Library Bulletin* (fortnightly) and Bibliographies; Librarian W. PEARSON, M.B.E., B.SC. (ECON.). A.L.A.

Department of Health and Social Security Library: Alexander Fleming House, Elephant and Castle, London, SE1 6BY; f. 1834; contains over 200,000 vols. and pamphlets and 1,300 current periodicals on public health, health services, medicine, hospitals, social security and social welfare; Librarian Miss A. M. C. KAHN, M.B.E., B.A., F.L.A.; publs. *Hospital Abstracts* (monthly), *Current Literature on Health Services* (monthly), *Current Literature on Personal Social Services* (monthly), *Current Literature on Social Security* (monthly).

Home Office Library: 50 Queen Anne's Gate, SW1H 9AT; 43,500 books and pamphlets; social sciences, especially parliamentary material, criminal law, criminology, penology and community relations; available to researchers for reference by arrangement; Librarian D. B. GIBSON, F.L.A.

House of Commons Library: London, SW1A 0AA; f. 1818; contains over 130,000 volumes, including Parliamentary Papers; the reference library files contain more than 1,500 periodicals and newspapers; the research division issues internal reference sheets, background papers and memoranda on subjects of current interest to Members; the branch library in the Norman Shaw North building handles enquiries on Parliament from the general public; Librarian DAVID MENHENNET, M.A., D.PHIL.

House of Lords Library: Old Palace Yard, Westminster, SW1A 0PW; f. 1826; contains about 90,000 volumes, legal and Parliamentary, history and general literature; Librarian ROGER H. V. C. MORGAN.

India Office Library: (Foreign and Commonwealth Office): 197 Blackfriars Rd., S.E.1; f. 1801; contains about 300,000 European and Oriental printed books, 20,000 Oriental MSS., 13,000 British paintings and drawings relating principally to India and the East, 10,000 Oriental drawings and miniatures and 150,000 photographs; Dir. B. C. BLOOMFIELD, M.A., F.L.A.; publs. *Annual Report*, *Guide* and catalogues of the collection.

India Office Records: (Foreign and Commonwealth Office): 197 Blackfriars Rd., S.E.1; London archives of British administration in India (East India Company 1600–1858, Board of Control 1784–1858, India Office 1858–1947, Burma Office 1937–48); some 300,000 vols. and files, including 100,000 vols. of Government publs.; 35,000 maps; private papers of soldiers and civilians who served in South Asia, 25,000 vols. and boxes; Dir. B. C. BLOOMFIELD, M.A., F.L.A.; publs. *Annual Report*, Lists and guides.

Ministry of Agriculture, Fisheries and Food Library: 3 Whitehall Place, SW1A 2HH; f. 1889; 160,000 vols., some 2,000 current periodicals and serials; includes Cowan and Cotton Libraries (books and periodicals on apiculture) and Punnett collection (poultry genetics); Librarian F. C. HIRST, F.L.A.; publs. *Plant Varieties and Seeds Gazette*† (monthly), *ADAS Quarterly Review*†, *Plant Pathology*† (quarterly), *Experimental Horticulture*†, *Experimental Husbandry*† (irregular), Bulletins and Leaflets†.

Branch Library: Great Westminster House, Horseferry Rd., SW1P 2AE; approx. 30,000 vols., 620 current periodicals; Librarian-in-charge R. PARK, M.A., A.L.A.

Branch Library: Government Bldgs., Hook Rise South, Tolworth, Surbiton, Surrey, KT6 7NF; *c.* 1,300 vols., 12,500 pamphlets and reprints, 200 current periodicals; Librarian-in-Charge Miss S. M. D. FITZGERALD, B.A., A.L.A.

Ministry of Defence (Whitehall) Library: Old War Office, Whitehall, SW1A 2EU; main library contains *c.* 900,000 vols. and pamphlets; sections: Defence Studies (Defence policy, history of regiments, British army campaigns); Scientific and Technical (aircraft, ships, weapons, computers and electronics, management systems and related subjects); General (international and domestic politics, economics, biographies, languages, geography, travel); a branch library serves the MOD Procurement Executive and contains 40,000 vols., 1,300 periodicals; Librarian J. C. ANDREWS, F.L.A.; publs. *MOD Weekly Accessions List*, *Preview* (new books, monthly), *Reconnaissance*.

Naval Library: Ministry of Defence, Empress State Bldg., Lillie Rd., S.W.6; f. 1810; 220,000 vols.; contains works mainly on naval subjects; Librarian Lt.-Commdr. P. K. KEMP, R.N.

Property Services Agency (Dept. of the Environment) Library: C Block, Whitgift Centre, Wellesley Rd., Croydon, CR9 3LY; building and civil engineering design and construction; 60 branch technical libraries in the U.K. and overseas; special libraries: *Supplies* (furniture and interior design) (Southbridge House, S.E.1); *Photographs* (Hannibal House, S.E.1, Argyle House, Edinburgh); *Management and Training* (Cardington RAF Station, Beds.); 150,000 vols., 1,000 current periodicals in main library; Chief Librarian C. E. ROGERS; publs. *Current Information in the Construction Industry*† (fortnightly), *Construction References*† (2 a year), bibliographies†, lists of reprints and translations, *PSA Publications* (annually).

Treasury and Cabinet Office Library: Parliament St., SW1P 3AG; 60,000 vols.; 250 periodicals; covers economics, finance and public administration; Librarian J. H. WORMALD, B.SC.(ECON.), A.L.A.

Tropical Products Institute Library: 56-62 Gray's Inn Rd., WC1X 8LU; f. 1895; a scientific unit of the Ministry of Overseas Development specializing in tropical plant and animal products with particular emphasis on post-harvest aspects; *c.* 100,000 items and 1,250 current periodical titles; Librarian J. A. WRIGHT, A.L.A.; publs. *Accession Bulletin* (*c.* 18 a year), *List of Current Periodicals* (annually).

PROVINCES

National Meteorological Library: London Rd., Bracknell, Berks., RG12 2SZ; f. 1870; approx. 125,000 vols. and 35,000 pamphlets; the national library for meteorology, climatology; and includes comprehensive records of data published by British and foreign institutions; Librarian E. W. C. HARRIS.

PUBLIC LIBRARIES

LONDON

Barking Public Libraries: Central Library, Axe St., Barking, Essex, IG11 7NB; f. 1888; 425,000 vols.; Librarian LESLIE CANNON, F.L.A.; publ. *The Barking Record* (quarterly).

Barnet Public Libraries: Ravensfield House, The Burroughs, Hendon, NW4 4BE; f. 1965; 878,250 vols.; Librarian D. A. RUDDOM, A.L.A.

Bexley Public Libraries: Administrative Offices, Hall Place, Bourne Rd., Bexley, Kent; 461,104 vols.; 14 brs.; 2 mobile libraries, ref. library; Local History and Kent collections; Librarian P. E. MORRIS, F.L.A.

Brent Library Service: Central Library, High Rd., Willesden Green, NW10 2ST; f. 1965; 908,312 vols.; 12 brs., mobile library, hospital library, Grange Museum of Local History; Librarian and Curator B. D. C. TOTTERDELL, F.L.A.

Bromley Public Libraries: Bromley, BR1 1EX; f. 1894; 869,536 vols.; 39,839 audio items; Librarian D. M. LAVERICK, F.L.A.

Camden Public Libraries: St. Pancras Library, 100 Euston Rd., London, NW1 2AJ; over 950,000 vols.; Dir. of Libraries and Arts F. D. COLE, F.L.A.

Croydon Public Libraries: Central Library—Adult Lending, Music and Audio Libraries, Mint Walk, Croydon; Reference and Children's Libraries, Katharine St., Croydon, CR9 1ET; f. 1888; 550,000 vols.; Librarian A. O. MEAKIN, F.L.A.

Ealing Public Libraries: Walpole Park, Ealing, W5 5EQ; f. 1965; 624,111 vols.; Librarian N. E. BINNS, F.L.A.

Enfield Public Libraries: Central Library, Cecil Rd., Enfield, Middx., EN2 6TW; f. 1965; 700,000 vols.; 15 brs., 3 reference libraries, mobile library; Borough Librarian P. N. TURNER, F.L.A.

Greenwich Public Libraries: Greenwich Library, Woolwich Rd., SE10 0RL; f. 1905; 606,000 vols., 43,300 gramophone records, 7,200 tape cassettes; Librarian H. DAVIS, F.L.A.

Hackney Public Libraries: Central Library, Mare St., Hackney, E8 1HG; f. 1908; 706,000 vols.; 16 brs.; 3 ref. libraries; special collections: automobile engineering, aviation, mechanic trades, woodwork and furniture, local history, John Dawson Collection, Defoe Collection; Librarian (vacant); publ. *Preface* (quarterly).

Hammersmith Public Libraries: Central Library, Shepherds Bush Rd., London, W6 7AT; 460,000 vols.; special collections include sociology, law, politics, civil administration, Christianity and early children's books; Librarian T. J. RIX, F.R.S.A., F.L.A.

Haringey Libraries: Central Library, High Rd., Wood Green, London, N22 6XD.

Harrow Public Library Service: P.O. Box 4, Civic Centre, Harrow, HA1 2UU; f. 1965; 396,000 vols.; Librarian A. W. BALL, B.A., F.L.A.

Havering Public Libraries: Central Library, St. Edward's Way, Romford, Essex, RM1 3AR; Central Library and 9 brs., and Arts Centre; approx. 500,000 vols.; Borough Librarian and Arts Officer G. H. HUMBY, A.L.A.; publs. *Local Government Annotations* (*LOGA*) (monthly) on behalf of Advisory Body of Librarians—London Boroughs Association.

Hillingdon Borough Libraries: Drayton Hall, West Drayton, Middx.; f. 1965; 400,000 vols.; Librarian P. COLEHAN, F.L.A.

Hounslow Library Services: Dept. of Arts and Recreation, The Civic Centre, Lampton Rd., Hounslow, Middx. TW3 4DN; f. 1965; Librarian B. R. WALKINSHAW, B.A., A.L.A.

Islington Libraries: Central Library, 2 Fieldway Crescent, London, N5 1PF; f. 1905; 535,491 vols.; Borough Librarian R. G. SURRIDGE, M.A., F.L.A., F.R.S.A.

Kensington and Chelsea Public Libraries: Central Library, Phillimore Walk, London, W.8; f. 1888; 520,000 vols.; the system includes the Chelsea Library, Chelsea Old Town Hall, Kings Rd., London, S.W.3; 4 brs., mobile library, art gallery at Leighton House, 12 Holland Park Rd., London, W.14; special collections: biography, languages, folklore, costume and local history; Borough Librarian and Arts Officer M. BARNES, D.M.A., A.L.A., A.M.B.I.M., M.I.L.G.A.

Kingston upon Thames Public Libraries: Fairfield Rd., Kingston upon Thames, Surrey, KT1 2PS; f. 1882; 330,000 vols.; 7,000 gramophone records; Librarian W. G. B. BROWN, F.L.A.

Lambeth Public Libraries: Tate Central Library, Brixton Oval, London, SW2 1JG; f. 1888; 814,000 vols., 14,000 records; 13 brs. and Mobile Service; Dir. of Amenity Services K. R. MCCOLVIN.

Lewisham Library Service: Administrative Offices, 170 Bromley Rd., London, S.E.6; f. 1890; 718,000 vols.; 17 brs., 2 reference libraries, Archives and Local History section, 1 medical library; Librarian R. A. GREENHILL, F.L.A.; publ. *Comtech:* Commercial and Technical information review.

Merton Public Libraries: Administrative Offices, Merton Cottage, Church Path, S.W.19; f. 1965; 500,000 vols.; special collections: cricket, macroeconomics, tennis, world history; Librarian D. S. HOPE, F.L.A., F.R.S.A.

Newham Public Libraries: East Ham Library, High St. South, East Ham, E6 4EL; f. 1965; 322,900 vols., 43,900 reference stock, 4,075 gramophone records; Librarian J. GREEN, A.L.A.

Redbridge Public Libraries: Central Library, Oakfield Rd., Ilford, Essex, IG1 1EA; Adult and reference 425,000 vols., Junior 133,000 vols., gramophone records 15,500; 10 brs., 2 mobile libraries, central ref. library; special collections: Photography and Social Pathology; Librarian F. C. KENNERLEY, F.L.A., F.R.S.A.; publ. *Introduction to Service* (annually).

Richmond upon Thames Public Libraries: Richmond Central Library, Little Green, Richmond, Surrey; f. 1880; 359,886 vols.; Librarian D. JONES, M.A., F.L.A.

Southwark Public Libraries: Admin. Dept., 20-22 Lordship Lane, SE22 8HN; 637,200 vols.; 35,200 records; 18 brs.; record library; Art Gallery; 2 museums; Librarian K. A. DOUGHTY, F.L.A.

Sutton Libraries and Arts Services: Central Library, St. Nicholas Way, Sutton, Surrey, SM1 1EA; f. 1936; 509,000 vols.; Borough Librarian R. SMITH, F.L.A., A.I.M.ENT.

Tower Hamlets Public Libraries: Directorate of Community Services, Cheviot House, 227-233 Commercial Rd., London, E1 2BU; f. 1965; 415,078 vols.; special collections: General, American, French, German, Portuguese literature and texts; Yiddish, Hebrew and Judaica collections; Local History library; collection of books in Urdu, Bengali, Punjabi, Hindi and Gujerati; gramophone records and tape cassettes; Librarian D. T. ELLIOTT, B.A., M.L.S., F.L.A., A.M.B.I.M.

Upper Norwood Public Library: Westow Hill, SE19 1TJ; Librarian Mrs. P. SCOTT, A.L.A.

Waltham Forest Public Libraries: Central Library, High St., Walthamstow, London, E17 7JN; f. 1893; *c.* 650,000 vols.; special collections: Land Economics, Housing, Town Planning, Interior Decorating and Furnishing, Russia, Polar Regions, Domestic Economy; Librarian H. L. CHAMBERS, F.L.A.

Wandsworth Public Libraries: Administrative Dept., Battersea District Library, 265 Lavender Hill, London, SW11 1JB; f. 1885; 1,031,091 vols.; 14 brs.; 2 reference libraries, 1 technical library, 6 music libraries; special collections: architecture, town planning, European history, geography and travel, occult sciences, local history, early children's books, William Blake, G. A. Henty; Librarian D. F. PARKER, F.L.A., A.M.B.I.M.; publs. *Focus*, *Wandpetls Newsletter*, *Wandsworth Collection of Early Children's Books*, *Local History Slide Catalogue*, *Local History Portfolios of Prints* (Wandsworth, Battersea and Putney).

Westminster City Libraries: Central Administration, Marylebone Rd., NW1 5PS; total stock of books and other materials 2,106,392; City Librarian K. C. HARRISON, M.B.E., F.L.A.; the system includes the following libraries:

Central Reference Library: St. Martin's St., WC2H 7HP; 496,000 vols. covering the humanities, pure sciences, commerce and technology; British and foreign directories; over 980 current periodicals; Fine Arts Library; Pavlova Memorial Library; 27,700 maps; microfilm and microcard readers.

Central Music Library: Buckingham Palace Rd., SW1W 9UD; 91,000 items.

Westminster History and *Archives Dept.:* Buckingham Palace Rd., SW1W 9UD; 143,700 archives.

Medical Library: Marylebone Rd., NW1 5PS; 24,500 items.

District Libraries: Buckingham Palace Rd., SW1W 9UD, South Audley St., W1Y 5DJ, Gt. Smith St., SW1P 3DG, Rampayne St., SW1V 2PU, Charing Cross Rd., WC2H 0HG, Sutherland Ave., W9 2QT, Porchester Rd., W2 5DU, Circus Rd., NW8 6PD, Marylebone Rd., NW1 5PS, Church St., NW8 8EU, Little Portland St., W1N 5AG; Harrow Rd., W10 4NE.

PROVINCES

Avon County Library: Central Library, College Green, Bristol, BS1 5TL; 1,683,519 vols., Dir. E. GRIMSHAW, F.L.A.

Bedfordshire County Library: County Hall, Bedford; f. 1925, reorganized 1974; District Libraries at Bedford, Biggleswade, Dunstable, Luton; special collections: Mott-Harrison collection of Bunyan life and works, Fowler collection of historical source material (County Hall); aeronautics, automobile engineering, picture lending collection, slides, audio-visual (district libraries); 1,250,000 vols.; gramophone records; 24 brs., 9 mobile libraries; special services for hospitals, housebound readers, local government, schools and young people; County Librarian C. MURIS, M.A., F.L.A.

Berkshire County Library: Abbey Mill House, Abbey Square, Reading, RG1 3BH; f. 1924; technical, local history, all H.M.S.O. since 1970, microfilm computer catalogue; 750,600 vols.; 43 brs.; 11 mobile libraries (including 5 for schools and 2 for elderly and housebound); County Librarian (vacant).

Birmingham Public Libraries: Central Library, Birmingham, B3 3HQ; f. 1861; 45 brs.; Reference Library f. 1866; Departments: Fine Arts (including John Ash Oberammergau Passion Play Collection), History and Topography (including Sir Benjamin Stone Collection of photographs and Marston Rudland Collection of Engraved Portraits), Language and Literature (including King's Norton Parish Library, Sheldon Rector's Library, Parker Collection of children's books, Samuel Johnson, Milton, Cervantes, Baskerville and War Poetry Collections, Early Printed Books, Fine Bindings and Private Press Books, and Shakespeare Library (f. 1864, 45,000 vols. in 87 languages), Local Studies (including Boulton and Watt, and Priestley Collections, Diocesan Record Office for Birmingham), Music Library, Philosophy and Religion, Quick Reference and Commercial Information, Science and Technology (including Patents), Social Sciences; United Nations depository; 1,003,574 vols. including 134 incunabula; City Librarian B. H. BAUMFIELD, F.L.A., F.R.S.A., M.B.I.M.

Bradford Public Libraries: Prince's Way, Bradford, BD1 1NN; 1,426,025 vols.; 36 libraries provide general collections; Central Library specializes in: Commerce, Science and Technology, Social Sciences, Music, Art, Local Studies, Archives, Asian Languages; Chief Librarian W. DAVIES, F.L.A.

Buckinghamshire County Library: County Offices, Walton St., Aylesbury, Bucks.; f. 1918; 1,000,000 vols.; 44 full and part-time brs.; County Librarian C. RIPPON, F.L.A.

Cambridgeshire Libraries: County Library H.Q., Princes St., Huntingdon, Cambs. PE18 6NS; 1,014,713 vols.; 54 brs., 9 mobile libraries; County Librarian R. BROWN, M.B.I.M., F.L.A.

Cheshire County Libraries: 91 Hoole Rd., Chester, CH2 3NG; f. 1922; 1,800,000 vols.; 39 full-time, 12 part-time brs., 9 public mobile libraries, 4 school mobile libraries, 2 trailer libraries and 3 research libraries; H.Q. special collections; Educational Resources library; Dir. of Libraries and Museums A. WILSON, F.L.A.

Cleveland County Libraries: Central Library, Victoria Square, Middlesbrough, TS1 2AY; f. 1974; 1,176,000 vols.; 42 brs.; County Librarian F. REGAN, M.A., F.L.A., F.R.S.A.

Cornwall County Library: County Hall, Truro, Cornwall, TR1 3HG; f. 1925; 673,498 vols.; 26 brs.; 11 mobile libraries; 2 container library units; County Librarian J. E. FARMER, F.L.A.

Coventry Public Library: Administration and Reference Libraries, Bayley Lane, Coventry; 486,200 vols.; special collections on the motor industry, cycle industry, local history, George Eliot, trade unions and industrial relations; Dir. A. DAVIS.

Derbyshire County Library: County Offices, Matlock, Derbyshire, DE4 3AG; f. 1923; 1,682,690 vols.; 68 brs.; County Librarian P. D. GRATTON, B.A., F.L.A., D.M.A.

Devon Library Services: Barley House, Isleworth Rd., Exeter, EX4 1RQ; f. 1974; 2,000,000 vols.; 74 brs., 18 mobile libraries; County Librarian R. G. Charlesworth, A.L.A.

Area Libraries:

North Devon: Vicarage St., Barnstaple, EX32 7EJ; Area Librarian K. Hunt, F.L.A.

South Devon: Lymington Rd., Torquay, TQ1 3DT; Area Librarian J. R. Pike, F.L.A.

East Devon: Castle St., Exeter, EX4 3PQ; Area Librarian (vacant).

West Devon: Drake Circus, Plymouth, PL4 8AL; Area Librarian J. R. Elliott, F.L.A.

Dorset County Library: Colliton Park, Dorchester, Dorset; f. 1920, reorganized 1974; 1,386,164 vols.; 53 brs.; 7 mobile libraries; Special collections: Dorset Collection, Thomas Hardy Collection, Powys Collection; County Librarian H. E. Radford, F.L.A.; publs. *Annual Report, Subject Index, Special Collections Catalogues* (annually).

West Area Headquarters: Dorset County Library, Colliton Park, Dorchester; Assistant County Librarian (West Area) Miss J. M. Rhodes, A.L.A.

Central Area Headquarters: Arndale Library, The Arndale Centre, Poole; Assistant County Librarian (Central Area) Miss S. J. Senior, B.A., D.M.A., F.L.A.

East Area Headquarters: Lansdowne Library, The Lansdowne, Bournemouth; Assistant County Librarian (East Area) H. N. Heissig, F.L.A.

Durham County Library: County Hall, Durham; f. 1923; 1,600,000 vols.; 39 full-time brs., 29 part-time brs., 6 mobile and 6 travelling libraries; County Librarian S. C. Dean, F.L.A.

Essex County Library: County Library Headquarters, Goldlay Gardens, Chelmsford, Essex, CM2 0EW; County Librarian Barry Langton, A.L.A.

Gloucestershire County Library: Shire Hall, Quayside Wing, Gloucester, GL1 2HY; County Librarian B. Stradling, F.L.A.

Hampshire County Library: 81 North Walls, Winchester, Hampshire; f. 1974; 3,051,221 vols.; 69 brs.; 22 mobile libraries; County Librarian R. R. Lawson, F.L.A.

Hereford and Worcester County Libraries: Love's Grove, Castle St., Worcester; f. 1974 as result of local government reorganization; 1,300,000 vols.; 19 full-time and 17 part-time service points; 3 school and 14 mobile libraries; 2 college libraries and 1 architecture library; County Librarian Miss A. P. Barnes, M.A., F.L.A., F.R.S.A.

Hertfordshire Library Service: County Hall, Hertford; f. 1925; special collections: drama, music, local history; 4,500,000 vols.; 50 brs.; 15 mobile libraries; County Librarian E. M. Broome, F.L.A.

Humberside County Libraries: Headquarters Division, Central Library, Albion St., Hull; Hull, North, Grimsby and Scunthorpe Divisions; 2,500,000 vols.; many special collections incl. whaling, shipping and trawling, iron and steel, John Wesley, Winifred Holtby, Andrew Marvell, Wilberforce, slavery, Napoleon; Dir. of Libraries and Amenities R. G. Roberts, D.M.S., F.L.A., F.I.M.ENT.; various publs.

Kent County Library: Springfield, Maidstone, Kent; f. 1921; 3,500,000 vols.; Librarian Dean Harrison, M.A., F.L.A.

Lancashire Library: 143 Corporation St., Preston, PR1 8RH; f. 1924; 3,500,000 vols.; 98 brs., 16 mobile libraries; County Librarian Alan Longworth, F.L.A.

Leeds City Libraries: Municipal Bldgs., Calverley St., Leeds, LS1 3AB; 1,845,000 vols.; numerous special collections including fine botanical books, Jewish and Hebrew books, military history, patents, H.M.S.O. publications, Unesco documents, archives and maps; Librarian A. B. Craven, F.L.A.

Leicestershire Libraries and Information Service: Thames Tower, Navigation St., Leicester, LE1 3TZ; f. 1974; 2,030,000 vols.; sound recordings, pictures, films, filmstrips, slides, microfilms; 35 full-time and 42 part-time brs., 9 mobile libraries; County Librarian G. E. Smith, F.L.A.; publs. local studies, abstracts, reports and booklists.

Lincolnshire County Library: Brayford House, Lucy Tower St., Lincoln, LN1 1XN; f. 1974 from 7 former Lincolnshire library authorities; 1,246,000 vols.; 48 brs., 13 mobile libraries; Special collections: Agriculture, Lincolnshire material, Alfred Tennyson; County Librarian E. H. Roberts, F.L.A.

Liverpool City Libraries: Brown, Picton and Hornby Libraries, William Brown St., Liverpool, Lancs., L3 8EW; f. 1852; Reference Library (Bibliographical Unit and Philosophy and Religion Library); Hornby Library (rare books, fine bindings, manuscripts and prints); Commercial and Social Sciences Library; Arts and Recreations Library; Music and Records Library; Commonwealth, American and International Libraries; Record Office and Local History Library (permanent exhibition *Liverpool from 1207*); Technical Library; Ladsirlac Industrial Library Services and Municipal Research Library; 2,504,268 vols., pamphlets, MSS., etc.; City Librarian Ralph Malbon.

Manchester Public Libraries: Central Library, St. Peter's Square, Manchester, M2 5PD; f. 1852; includes social sciences, commercial, technical, arts, music, language and literature, local history, archives, Jewish and general libraries; two library theatres with resident company; 21 district libraries, with 4 mobile libraries; also libraries in old people's homes, hospitals and prisons; total number of vols. 1,957,100; Dir. K. D. King, B.A., A.L.A.

Newcastle upon Tyne City Libraries: Princess Square, off New Bridge St., NE99 1MC; f. 1880; Thomas Bewick Collection (wood engravings), Thomlinson Library (theological), local collections, music, commercial and technical collections; all H.M.S.O. publications since 1958; 1,057,561 vols.; City Librarian A. Wallace, D.M.A., F.L.A., M.I.L.G.A.

Norfolk County Library: County Hall, Norwich, NR1 2DH; f. 1925; 1,471,136 vols.; 3 divisional libraries; 42 brs.; 14 mobile libraries; County Librarian D. P. Mortlock, F.L.A.

Northamptonshire Libraries: 27 Guildhall Rd., Northampton, NN1 1EF; f. 1927; 1,692,400 vols.; 6 full-time and 27 part-time brs.; County Leisure and Libraries Officer R. Wright, F.L.A.; publ. *LOG* (weekly list of local government articles).

Northumberland County Library: The Willows, Morpeth, Northumberland; f. 1924; special collections: local history, drama, poetry, technical and commercial, 564,000 vols.; 29 brs., 9 mobile libraries; County Librarian G. E. Laughton, F.L.A.

Nottinghamshire County Library: Central Library, Angel Row, Nottingham; f. 1974; 569,125 vols.; special collections include local history, D. H. Lawrence, Byron and Robin Hood collections; Dir. of Leisure Services W. Heycock.

Oxfordshire County Libraries: Holton, Oxford, OX9 1QQ; 900,000 vols.; 4,000 maps, 3,000 prints, 2,500 slides, 35,000 photographs of local history; 6,000 scores and 6,000 sound recordings; 17 full-time and 26 part-time libraries; 8 mobile libraries; 350 school libraries; County Librarian Leonard White, F.L.A.

Sheffield City Libraries: Central Library, Surrey St., Sheffield, S1 1XZ; f. 1856; 1,698,298 vols.; 37 br. libraries, 5 mobile libraries and 1 travelling library; Arts and Humanities Library (incl. private press books, Whitworth collection of organ books, books printed in England 1765–79); Science and Technology Library (incl. World Metal Index, British Patents (1617 to date), American Patents (15-year file)); Business Library; Local Studies and Archives (incl. Arundel Castle MSS., Fairbank map collection, Edmund Burke's correspondence, Wentworth Woodhouse Muniments, Carpenter Collection); photocopying and microfilm equipment; Dir. R. F. Atkins, F.L.A.

Shropshire County Library: Column House, 7 London Rd., Shrewsbury, Shropshire; f. 1925; 761,337 vols., gramophone records; microfilm and computer catalogues; 33 brs., 6 mobile and 3 trailer libraries; County Librarian A. J. Crowe, F.L.A.; reprints books on local history.

Somerset County Library: Mount St., Bridgwater, Somerset; f. 1919; 774,000 vols.; 35 brs., 12 mobile libraries; County Librarian (vacant).

Staffordshire County Library: Friars Terrace, Stafford, ST17 4AY; f. 1916; 3,100,000 vols., 47,000 gramophone records; 45 full-time and 33 part-time brs., 7 mobile libraries; schools service includes books, project collections, gramophone records, films and filmstrips; technical and commercial information services; County Librarian S. Barton, F.L.A.; publs. *Current Information Bulletin* (monthly), *UPDATE: Current Governmen Publications* (fortnightly), *CONTACT: Abstracts on Local Government* (monthly).

Suffolk County Library: Central Library, Northgate St., Ipswich, IP1 3DE; f. 1974 by amalgamation of former Suffolk library authorities; County Librarian P. R. Labdon, F.L.A.

Surrey County Library: 140 High St., Esher, Surrey; 1,896,686 vols.; County Librarian J. A. Saunders, A.L.A.

East Sussex County Library: Southdown House, 44 St. Anne's Crescent, Lewes, East Sussex, BN7 1SQ; 1,700,000 vols.; 29 full-time and 15 part-time brs.; Chief Librarian J. N. Allen, B.A., F.L.A.

(West) Sussex County Council Library Service: Tower St., Chichester, Sussex; f. 1925; 1,140,000 vols.; 30 full-time and 6 part-time brs., 7 mobile libraries; County Librarian R. J. Huse, F.L.A.

Warwickshire County Library: The Butts, Warwick, CV34 4SS; f. 1920; 1,241,000 vols.; 43 brs.; County Librarian T. W. Howard, F.L.A.; publ. *Annual Report.*

Wiltshire Library and Museum Service: Library and Museum Service Headquarters, Bythesea Rd., Trowbridge, Wilts.; f. 1919; special collections: Wiltshire, agriculture, cricket, food technology, life of Christ, railways and railway engineering; 1,025,471 vols., gramophone records, cassettes, slides, films, etc.; 46 brs., 8 mobile libraries; Dir. Frederick Hallworth, O.B.E., F.L.A., F.R.G.S.; publs. *Biennial Report, Lockham Library Bulletin* (monthly), *Wiltshire Social Services Abstracts* (monthly).

Yorkshire (North) County Library: County Library Headquarters, Grammar School Lane, Northallerton, Yorks., DL6 1DF; f. 1974; 1,317,200 vols.; special collections: local history and topography, drama, foreign affairs, early children's literature; Sitwell Collection; Petyt Library relating to 17th century; City Archives from 11th century (York Central Library); Marriott Collection of modern history; 26 full-time and 35 part-time libraries; 21 mobile libraries, 5 voluntary centres; County Librarian Dorothy M. Hudson, F.L.A.; publs. occasional.

Scotland

Edinburgh City Libraries: Central Library, George IV Bridge, Edinburgh, EH1 1EG; f. 1890; 1,202,342 items; special collections: Edinburgh Room (contains information on life in Edinburgh and on Scott, Stevenson, Ballantyne; press cuttings; 64,006 items), Scottish (especially genealogy; 67,710 items), Music (includes indexes to songs and instrumental music; 52,185 items), Fine Art (includes costume; large collection of prints; 80,513 items); Audio-library: 6,969 items; 21 brs. and 4 mobile libraries; City Librarian A. P. Shearman, B.A., F.L.A.

Glasgow District Libraries: Glasgow; includes The Mitchell Library; f. 1874 (*see* below); Commercial Library with Library of Patents and 42 district libraries; 2,477,000 vols.; special collections of books for the blind and foreign literature and local history; Dir. W. A. G Alison, F.L.A.; publ. *Annual Report.*

Mitchell Library: North St., Glasgow, G3 7DN; f. 1874; 974,000 vols.; special collections: on Glasgow (20,000 vols.), music (35,000 vols.), Robert Burns (3,500 vols.), and Scottish poetry (9,000 vols.); Librarian R. A. Gillespie, F.L.A. The Library receives a copy of every publication issued by H.M.S.O., and is also a Depository Library for the unrestricted publications of the United Nations, Unesco and FAO.

Kirkcaldy District Library: Kirkcaldy, Fife; f. 1975 after reorganization; 400,000 vols.; Librarian Ronald McLaren, A.L.A.

Renfrew District Libraries: Marchfield Ave., Paisley, Renfrewshire, PA3 2RJ; f. 1920, re-organized 1975; 392,000 vols.; 24 brs., local government library, 1 mobile library; Chief Librarian Joseph D. Hendry, F.L.A., F.S.A.(SCOT.).

Strathclyde Region, Lanark Division, Library and Resource Service: 4 Auchingramont Road, Hamilton, ML3 6JU; Principal Educational Resources Librarian W. Scobbie, M.B.E., J.P., A.L.A.

Wales

Clwyd Library Service: County Civic Centre, Mold, CH7 6NW; f. 1974 (previously Flintshire, Denbighshire, part of Merioneth, Colwyn Bay, Flint, Rhyl and Wrexham Library Services); 1.5 million vols.; 6 area libraries, 20 full-time brs., 28 part-time libraries, 17 mobile libraries; special collections of Arthurian literature and local history; County Librarian Glyn Davies, F.L.A., F.R.S.A.

Dyfed County Library: Public Library, St. Peter's St., Carmarthen, SA31 1LN; f. 1974; 47 brs.; 818,077 vols.; special collections: Francis Green MSS., Henry Owen Library (5,000 vols., historical and local), part of the library of the Carmarthen Antiquarian Society; County Librarian Alun R. Edwards, M.A., F.L.A.

Gwent County Library: County Library H.Q., County Hall, Cwmbran, Gwent, NP44 2XL; f. 1974 from amalgamation with Newport C.B.C. Library; 843,000 vols.; 32 brs.; County Librarian M. F. A. Elliott, F.L.A., L.R.A.M.

Gwynedd Library Service: Maesincla, Caernarfon, Gwynedd; f. 1974; 778,162 vols.; 44 brs.; County Librarian Geoffrey Thomas, B.A., F.L.A.

Mid Glamorgan County Library: Coed Parc, Park St., Bridgend, Glam., CF31 4BA; f. 1974; 688,330 vols.; 11 full-time and 15 part-time brs.; County Librarian R. W. Davies, F.L.A.

Powys County Library: Cefnllys Rd., Llandrindod Wells, Powys, LD1 5LD; f. 1974; 584,600 vols.; 24 brs.; special local history collection; County Librarian George Llewellyn, F.L.A.

South Glamorgan County Libraries: Central Library, Cardiff, S. Glam., CF1 2QU; f. 1974 after reorganization; 1,222,000 vols.; 33 br. libraries; County Librarian G. A. DART, F.L.A.

Cardiff Central Library: f. 1862; Reference Dept., including patents (except specifications), maps, prints, periodicals, Societies' libraries; Research dept., including MSS., deeds, documents, incunabula, large Welsh and other special reference collections; Commercial dept., Lending dept., and music and gramophone record collections.

SPECIAL LIBRARIES

LONDON

Aslib Library: 3 Belgrave Square, SW1X 8PL; *c.* 16,000 vols. on documentation, information science, special libraries and related subjects, 370 current periodicals of the world and about 25,000 references to articles, reports, etc., on library and information science; Librarian Miss V. K. GILBERT, B.A., A.I. INF. SCI.; publ. monthly current awareness lists in *Aslib Information*.

British and Foreign Bible Society's Library: 146 Queen Victoria St., EC4V 4BX; f. 1804; largest collection of printed Bibles (over 27,000 vols. of Scripture in 1,631 languages); Librarian ALAN F. JESSON, M.L.S., A.L.A.

British Architectural Library: R.I.B.A., 66 Portland Place, W1N 4AD; f. 1834; with *c.* 100,000 vols., 680 current periodicals, 400 dead runs, *c.* 40,000 photographs, *c.* 100,000 MSS., and an important collection of *c.* 250,000 drawings (housed at 21 Portman Square, W1H 9HF), is one of the most complete architectural libraries; Librarian D. E. DEAN, M.A., A.L.A., F.R.S.A.; publs. *Architectural Periodicals Index* (quarterly), *R.I.B.A. Booklist* (annually).

British Broadcasting Corporation Reference Library: Broadcasting House, London, W1A 1AA; f. 1927; 140,000 vols., 1,500 British and foreign periodicals; Librarian G. L. HIGGENS, F.L.A.

B.B.C. Music Library: Yalding House, 156 Great Portland St., London, W1N 6AJ; over 250,000 sets of music, 5,000 vols. of reference material; Librarian M. MILLER, M.A., L.R.A.M., F.L.A.

British Institute of Recorded Sound: 29 Exhibition Rd., S.W.7; f. 1955; national archive of sound recordings; contains *c.* 300,000 discs and tape recordings of music, drama and literature, language and dialect, speeches and events, zoological sounds, etc.; library of books, periodicals, and record manufacturers' catalogues from all countries; Dir. (vacant); publ. *Recorded Sound*† (quarterly).

British Library (**Library Association Library**)**:** 7 Ridgmount St., WC1 7AE; f. 1877; approx. 45,000 vols., 950 current periodicals on librarianship and related subjects, plus large collections of library reports and bulletins; Librarian L. J. TAYLOR, B.A., A.L.A.; publ. *CABLIS* (*Current Awareness of British Library Staff*) (10 a year).

British Medical Association Library: Tavistock Square, WC1H 9JP; f. 1887; 90,000 vols., 1,000 periodicals; Librarian F. M. SUTHERLAND, M.A., F.L.A.

British Museum (**Natural History**) **Library:** Cromwell Rd., SW7 5BD; f. 1881; 550,000 vols. on biological and earth sciences (zoology, entomology, palaeontology incl. physical anthropology, botany and mineralogy); Librarian M. J. ROWLANDS, F.L.A.; publs. *Bulletin British Museum Natural History*† (5 series: *Botany, Entomology, Geology, Historical, Zoology*) (irregular), scientific books, leaflets and special publications.

British Theatre Association Library: 9 Fitzroy Square, W1P 6AE; f. 1919; 250,000 vols. inc. several hundred MSS.; special collections include William Archer Collection (books, programmes), Nugent Monck Collection (prompt copies, privately printed plays, etc.); available to members only; Librarian ENID FOSTER.

Canning House Library: The Hispanic and Luso-Brazilian Council, Canning House, 2 Belgrave Square, S.W.1; f. 1943; 50,000 vols., and cultural and economic periodicals; Librarian G. H. GREEN, M.B.E., B.A.; publs. *Canning House Library Bulletin, British Bulletin of Publications on Latin America, the West Indies, Portugal and Spain* (6-monthly); complete catalogue available, 5 vols. (and Supplements 1973).

Chemical Society Library: Burlington House, Piccadilly, W1V 0BN; f. 1841; over 70,000 vols.; is a fine collection of works on chemistry and cognate subjects; special collection of books on alchemy and early chemistry; Librarian R. G. GRIFFIN, F.L.A.

Church Missionary Society Library: 157 Waterloo Rd., SE1 8UU; f. 1799; approx. 20,000 vols.; religion, social sciences, history, language, description and travel; special collections include James Long Bequest (books on Islam and Buddhism); Librarian Miss J. M. WOODS; Archivist Miss R. A. KEEN.

College of Arms: Queen Victoria St., EC4V 4BT; *c.* 30,000 vols.; geneaological and heraldic collections; Registrar and Librarian J. P. BROOKE-LITTLE, M.V.O., M.A., F.S.A., F.S.G., F.H.S. (Richmond Herald).

Congregational Library: Memorial Hall, 2 Fleet Lane, E.C.4; f. 1830; contains about 40,000 vols., mainly relating to Church history, the history and activities of the Nonconformists, theology, religious liberty and hymnology.

H.M. Customs and Excise Library: King's Beam House, E.C.3; f. 1671; contains about 40,000 vols.; also departmental museum; Head of Library Services S. R. PRESTIDGE.

Dr. Williams's Library: 14 Gordon Square, WC1H 0AG; opened 1729; contains *c.* 132,000 vols., a lending library of theological, philosophical and historical works; Librarian JOHN CREASEY, M.A., A.L.A.; publs. *Catalogue of Accessions 1900-1950, 1951-1960, 1961-1970, Bulletin of Accessions* (annual), *Lectures of Friends of Dr. Williams's Library* (annual), *Occasional papers*.

Friends' Library: Friends' House, Euston Rd., NW1 2BJ; f. 1673; the official library of the Society of Friends (Quakers) in Great Britain and the repository of its archives; contains about 14,000 vols., 20,000 pamphlets, and 4,000 vols. of MSS., as well as prints; Librarian EDWARD H. MILLIGAN.

Geological Society Library: Burlington House, Piccadilly, London, W1V 0JU; f. 1809; contains about 300,000 vols. and 20,000 maps; Librarian Mrs. E. R. NUTT.

Gladstone Library: National Liberal Club, Whitehall Place, S.W.1; f. 1888; contains about 40,000 books and about 40,000 pamphlets; Librarian G. E. AWDRY, F.L.A.

Gray's Inn Library: South Square, Gray's Inn, WC1R 5EU; f. *c.* 1522; Legal Reference Library, for members of Gray's Inn but public admitted on application; special collections: 12th–14th century MSS., Baconiana; 40,000 vols.; Librarian P. C. BEDDINGHAM.

Guildhall Library (Library of the Corporation of London): Aldermanbury, EC2P 2EJ; f. about 1425; contains 140,000 printed books, etc., more than 40,000 series of MSS., 30,000 prints and 30,000 maps; general reference library, particularly rich in books on all aspects of London history; the MSS. collection consists mainly of City parochial records, records of the City Livery Companies and London diocesan records; City Librarian GODFREY THOMPSON, F.L.A.; publ. *Guildhall Studies in London History* (2 a year).

City Business Library: Gillett House, Basinghall St., London, EC2V 5BX; contains British and foreign directories, newspapers, trade papers, statistics and all aspects of commerce and management; Business Librarian M. J. CAMPBELL, A.L.A.

Hirsch Music Library: British Library, Great Russell St., W.C.1; purchased for the nation in 1946; a unique collection of music, musical treatises and theoretical works prior to 1800, full operatic scores and complete and first editions of the classics with an extensive collection of musical literature from the nineteenth and twentieth centuries; Music Librarian O. W. NEIGHBOUR.

Inner London Education Authority Library: County Hall, Westminster Bridge, SE1 7PB; f. 1909; *c.* 280,000 vols., mainly on history, theory and methods of education and child study; general non-fiction related to needs of teachers; Librarian KATE PEARCE, A.L.A.

Inner Temple Library: Temple, London, E.C.4; f. *c.* 1500; *c.* 90,000 vols.; mostly legal and historical; contains in addition to U.K. law and legal history, an extensive collection of law relating to the British Commonwealth and special collections on Biography, Topography, History, Ecclesiastical Affairs and Heraldry. Collection of 10,000 MSS., including Petyt MSS., available to the public (on special application) to historical research; Librarian W. W. S. BREEM.

Inns of Court Bar Library and Probate Library: Royal Courts of Justice, Strand, WC2A 2LL; f. 1883; contains 25,000 vols.; Librarian C. L. FISHER, M.B.E.

Institute of Contemporary History and Wiener Library: 4 Devonshire St., W.1; f. in Amsterdam in 1934 by Dr. Alfred Wiener, moved to London 1939; about 100,000 vols. and newspapers, magazines, press cuttings, photos and other documents on Nazism, Fascism, anti-Semitism, racialism, refugee and minority problems, Jewish history and contemporary European, Jewish and Middle Eastern history; Dir. WALTER LAQUEUR; Librarian Mrs. CHRISTA WICHMANN; publs. *The Wiener Library Bulletin, The Wiener Library Catalogue Series, Journal of Contemporary History.*

Institute of Geological Sciences Reference Library of Geology: Geological Museum, Exhibition Rd., SW7 2DE; f. 1837; incorporating the libraries of the Geological Survey and Museum and the Overseas Geological Surveys; 250,000 vols., 3,000 (titles) current serials, over 100,000 maps, 40,000 pamphlets, 20,000 archives; national collection of 25,000 photographs illustrating British scenery and geology; regional collections in branch libraries at Edinburgh, Keyworth (Nottingham) and Leeds; Chief Librarian and Archivist K. J. SPENCER, F.L.A.

Institution of Electrical Engineers' Library: Savoy Place, WC2R 0BL; f. 1871; the main collection contains over 20,000 books, 11,000 bound volumes of periodicals, reports, etc., and several thousand pamphlets; over 600 periodicals are received; special collections of historical electrical works: Sir Francis Ronalds Collection (6,000 vols. and pamphlets), Silvanus P. Thompson Library (4,500 vols. and 8,000 pamphlets), Faraday MSS., and library, notebooks and MSS. of Oliver Heaviside; also collections of British Computer Society, numbering 4,000 vols., 3,000 pamphlets and 100 periodicals; Sec. G. F. GAINSBOROUGH, PH.D., C.ENG., F.I.E.E.; publs. numerous journals, abstracts and papers on physics, electronics, electrical engineering, etc.

Lambeth Palace Library: Lambeth SE1 7JU; f. 1610; contains about 150,000 printed items and 3,000 vols. of MSS. dating back to the 9th century, also a considerable number of archives; Librarian and Archivist E. G. W. BILL, M.A.

Law Society Library: Chancery Lane, London, WC2A 1PL; f. 1828; 65,000 vols., primarily English legal material; Librarian F. P. RICHARDSON, F.L.A.

Lincoln's Inn Library: Holborn, W.C.2; in existence 1475; with 100,000 vols. and 2,000 vols. of MSS., including the Hale Collection, is the oldest law library in London; Librarian R. WALKER.

Linnean Society Library: Burlington House, Piccadilly, W1V 0LQ; f. 1788; contains about 90,000 vols. on natural history, including Linnaeus's own library and a collection of manuscripts, engravings and portraits; Librarian GAVIN BRIDSON; publs. *Biological Journal*† (quarterly), *Botanical Journal*† (8 a year), *Zoological Journal*† (8 a year), *Synopses of the British Fauna* (occasional), *Symposia* volumes (annual).

London Library: 14 St. James's Square, SW1Y 4LG; f. 1841; over 750,000 vols. covering a wide range of subjects and languages; subscription circulating and reference library; an educational charity under Royal Charter; membership 5,800 including 1,000 life mems.; Librarian STANLEY GILLAM, B.LITT., M.A.

London Oratory Library: Brompton Rd., South Kensington, S.W.7; f. 1854; contains 40,000 vols. and 3,000 pamphlets on Theology and Church History; separate library (4,000 vols.) of David Lewis, Tractarian convert.

Marx Memorial Library: Marx House, 37 Clerkenwell Green, London, E.C.1; f. 1933; approx. 16,000 vols.; 25,000 pamphlets, files of Labour, Socialist and Communist periodicals; research, reading and lending; lectures, study courses and discussion conferences; 750 individual mems., also University and Trade Union affiliates; Pres. ANDREW ROTHSTEIN, M.A.; Chair. EDWIN H. DARE; Sec. NICHOLAS WETTON, M.A.; Librarian MARGARET KENTFIELD; publ. *Quarterly Bulletin.*

Metals Society Library: 1 Carlton House Terrace, S.W.1; f. 1869; 30,000 vols.; Librarian M. L. PEARL; publs. *Weekly Abstracts, Weekly Subject Profiles, Translations.*

Middle Temple Library (The Hon. Society of the): Middle Temple Lane, EC4Y 9BT; f. 1641; contains *c.* 125,000 vols. of works on British, Commonwealth, American, Public International and European Communities law; Librarian and Keeper of the Records Miss E. McNEILL, B.A., D.L.S., A.T.C.L., A.L.A.

National Film Archive: 81 Dean St., London, W1V 6AA; f. 1935 as a division of the British Film Institute; preserves for posterity, and makes available for study, cinematograph films and TV programmes, stills, posters and set designs of artistic and historical value; Curator DAVID FRANCIS.

National Library for the Blind: Cromwell Rd., Bredbury, Stockport, SK6 2SG; f. 1882; contains 400,000 vols., including music, in Braille and Moon types; Pres. The Marquis of NORMANBY, C.B.E.; Chair. C. F. P. CURTIS, LL.B.; Librarian and Dir.-Gen. Dr. W. A. MUNFORD.

Royal Academy of Arts Library: Burlington House, W.1; f. 1768; over 15,000 vols. on the fine arts and standard reference books; also original drawings, MSS. and engravings; Librarian Miss CONSTANCE-ANNE PARKER.

Royal Asiatic Society Library: 56 Queen Anne St., W.1; f. 1823; *c.* 100,000 vols. dealing with Asia, and 2,000 Oriental MSS.; Librarian Miss J. DAVIES; publs. *Journal of the Royal Asiatic Society* (2 a year), monographs.

Royal Astronomical Society Library: Burlington House, Piccadilly, London, W1V 0NL; f. 1820; approx. 25,000 vols.; Librarian Mrs. E. LAKE, B.SC.

Royal Botanic Gardens Library: Kew, Richmond, Surrey; f. 1852; over 120,000 vols., 2,000 periodicals, 140,000 pamphlets, 170,000 plant illustrations; statutory place of deposit; registered files and 250,000 letters and MSS.; Chief Librarian and Archivist V. T. H. PARRY, M.A., F.L.A.; publs. *Kew Record of Taxonomic Literature* (annually), *Author and Classified Catalogues, List of Periodicals.*

Royal College of Physicians' Library: 11 St. Andrew's Place, Regent's Park, London, NW1 4LE; f. 1518; confined to the history of medicine, with a bias towards medical biography, but rich in 16th- and 17th-century books covering the whole field of learning, also a small collection of books on medical education; contains 42,000 books (incl. over 100 incunabula), 2,000 MSS. (Western and Oriental), 5,000 autograph letters, 11,000 engraved portraits and photographs and 2,800 slides (mainly portraits); Harveian Librarian Sir Gordon Wolstenholme, O.B.E., F.R.C.P.; Librarian Dennis Cole, M.A., A.L.A.; publs. *Munk's Roll* (Lives of Fellows of the College) 5 vols. 1878–1968, Exhibition catalogues, etc.

Royal College of Surgeons of England Library: 35–43 Lincoln's Inn Fields, WC2A 3PN; f. 1800; medical and surgical books and 650 current periodicals; 130,000 volumes; Librarian E. H. Cornelius, M.A., A.L.A.; publs. *History of the College* (1959), *English Books before 1701* (1963), *Annals*†, *Catalogues of Hunterian Museum*.

Royal College of Veterinary Surgeons' Wellcome Library: 32 Belgrave Square, SW1X 8PQ; open to all qualified veterinary surgeons; 25,000 vols.; Librarian Miss B. Horder, B.A., A.L.A.

Royal Commonwealth Society Library: Northumberland Ave., WC2N 5BJ; f. 1868; contains 400,000 vols. and pamphlets relating to the countries of the Commonwealth; Librarian D. H. Simpson, M.A., F.L.A.

Royal Geographical Society Library: Kensington Gore, SW7 2AR; f. 1830; contains 100,000 vols. on geography; 600,000 maps and charts, 4,000 atlases, large selection of gazetteers in the Map Room; Librarian G. S. Dugdale; Keeper of the Map Room G. A. Hardy; publs. *The Geographical Journal*† (3 a year), *New Geographical Literature and Maps*† (2 a year).

Royal Institute of International Affairs Library, The: 10 St. James's Square, London, SW1Y 4LE; f. 1920; over 150,000 vols.; approx. 600 current periodicals; Librarian Miss Dorothy Hamerton, M.A., A.L.A.

Press Library: over 17,000 box files of classified cuttings from the international press dating from 1924 (only 1940 onwards available at present); Press Librarian Miss S. J. Boyde, M.A., DIP.LIB.

Royal Institution of Great Britain Library: 21 Albemarle St., W.1; f. 1799; 50,000 vols. on all branches of science; 150 periodicals currently received; special collections: scientific biography, social relations of science, popular science, history of science, early scientific books and journals especially of 18th and 19th centuries, photochemistry, X-ray crystallography; archives and MSS. of many scientists who have worked at the Institution, including Davy, Faraday, Tyndall, Dewar and the Braggs; Librarian Mrs. I. M. McCabe, M.SC., DIP. LIB.

Royal National Institute for the Deaf Library and Information Services: 105 Gower St., London, WC1E 6AH; f. 1911; 7,000 books and 300 current journals on all aspects of sound, hearing, speech and language; Librarian M. E. Plackett, A.L.A.; Information Officer L. Shepherd; publs. *Hearing* (every 2 months), *British Journal of Audiology* (quarterly, in collaboration with the British Society of Audiology).

Royal Society Library: 6 Carlton House Terrace, SW1Y 5AG; f. 1660; *c.* 145,000 vols.; Librarian N. H. Robinson.

Royal Society of Medicine Library: 1 Wimpole St., W1M 8AE; f. 1805; important medical library, comprising *c.* 500,000 vols., 2,500 current periodicals; extended 1953, by benefaction from the Wellcome Trust; lending restricted to members; Librarian D. W. C. Stewart.

Royal United Services Institute for Defence Studies Library: Whitehall, London, SW1A 2ET; f. 1831 as the Royal United Service Institution Library; about 100,000 vols., 200 periodicals on British defence and related subjects, international affairs.

St. Bride Printing Library: Bride Lane, Fleet St., E.C.4; f. 1895; devoted to works on printing and the allied crafts; contains about 30,000 vols.; Librarian J. M. Mosley.

St. Paul's Cathedral Library: E.C.4; f. 1707; containing old works on theology and Greek and Latin classics, also some interesting MSS.; upwards of 13,500 vols. and 11,500 pamphlets; Librarian, Archivist and Keeper of the Muniments A. R. B. Fuller, M.A.

Science Museum Library: South Kensington, SW7 5NH; a national library of pure and applied science and the history of science and technology, with *c.* 455,000 vols. including 11,700 periodicals, of which some 6,000 titles are current; photocopying and information services; Keeper L. R. Day, M.SC.

Sion College Library: Victoria Embankment, EC4Y 0DN; f. 1630; contains about 100,000 vols., including MSS., mostly theological; Hon. Librarian Rev. W. M. Atkins, M.A., F.S.A.; Librarian Miss J. M. Owen, B.A., A.L.A.

Sir John Soane's House and Museum Library: 13 Lincoln's Inn Fields, W.C.2; f. 1837; contains Sir John Soane's collection of some 8,000 vols. on art, antiquities, architecture, classical and general literature; Curator and Librarian Sir John Summerson, C.B.E., F.B.A., A.R.I.B.A

Societies for the Promotion of Hellenic and Roman Studies Library: 31–34 Gordon Square, London, WC1H 0PP; f. 1879; in association with London University Institute of Classical Studies; contains over 50,000 vols. on classical archaeology, history, and literature; classified collection of over 5,000 coloured slides; Librarian Miss A. E. Healey, B.A., A.L.A.

Society of Antiquaries Library: Burlington House, Piccadilly, W1V 0HS; f. 1707; contains more than 130,000 books and 650 current periodicals on British and Foreign archaeology and history, heraldry, genealogy, etc.; MSS., prints, drawings, early printed books, brass rubbings, seal casts; Asst. Sec. F. H. Thompson, M.A.; Librarian J. H. Hopkins, M.A.; publs. *Antiquaries Journal*† (2 a year), *Archaeologia*† (bi-annually), research reports† (occasionally).

Supreme Court Library: Royal Courts of Justice, Strand, London, WC2A 2LL; f. 1970; common law library; 150,000 vols.; Librarian K. W. Best, M.B.E., F.L.A.

United Nations Information Centre Library: 14-15 Stratford Place, W.1; contains all United Nations documents and publications, and selection of publications from the specialized agencies.

Victoria and Albert Museum, Library of the: South Kensington, SW7 2RL; f. 1837; contains over 600,000 vols.; is the national collection of works on the fine and applied arts; the Dyce and Forster libraries number about 32,000 vols., mostly English literature, history and drama; other special collections include fine bookbindings, the Clements Collection of British Armorial Bookbindings, 20th-century French illustrated books and the Guy Little and Renier collection of children's books; Keeper of the Library R. W. Lightbown, M.A., F.S.A., F.R.A.S.

Wellcome Institute for the History of Medicine Library: 183 Euston Rd., NW1 2BP; contains a large collection of MSS., over 800 incunabula, and over 350,000 printed books, 5,000 western MSS., from 11th century onwards, 5,000 oriental MSS., autograph letters, pamphlets; Dir. Dr. Edwin Clarke, M.D., F.R.C.P.; Librarian E. J. Freeman, B.A., A.L.A.

Westminster Chapter Library: Westminster Abbey, S.W.1; f. 1623–26; contains about 14,000 vols., mainly 17th- and 18th-century, predominantly theological but with general literature and 16th- and 17th-century music; remarkable collection of Abbey Records and other documents, etc.; Librarian H. M. NIXON, M.A., F.S.A.; Keeper of Muniments N. H. MACMICHAEL, F.S.A., F.R.HIST.S.

Zoological Society Library: Regent's Park, N.W.1; f. 1826; contains about 120,000 vols. of works and periodicals connected with zoology; Librarian R. FISH, F.L.A.

PROVINCES

Canterbury Cathedral Archives and Library and City Record Office: Canterbury; f. probably about 597; in continuous existence since 11th century; contains *c.* 50,000 printed books, Administrative MSS. of the Dean and Chapter, Canterbury Diocesan Archives (excluding probate and testamentary records), Canterbury City archives; Canon-Librarian Rev. Canon A. M. ALLCHIN, M.A.; Archivist Miss A. M. OAKLEY, M.A., F.S.A.

Chetham's Library: Long Millgate, Manchester, M3 1SB; f. 1653 as a free public reference library; *c.* 70,000 vols. including many 17th and 18th century works; Librarian Miss A. C. SNAPE, M.A.

Dean Savage Reference Library: 14 The Close, Lichfield, Staffs.; f. 1924; *c.* 5,000 vols., mostly theology and ecclesiastical history; for use, apply to Head of Special Collections, Main Library, University of Birmingham, B15 2TT.

Exeter Cathedral Library: Exeter; f. 11th century when Bishop Leofric gave 66 manuscript volumes to the Cathedral Church: over 30,000 vols. including *Exeter Book of Old English Poetry* and *Exon Domesday;* administered by the University of Exeter; Librarian J. F. STIRLING, J.P., M.A.

Indian Institute Library: Broad St., Oxford; f. 1883; classical and modern South Asian studies; 85,000 vols., including government reports and periodicals; Librarian J. B. KATZ; *see* also Bodleian Library.

Norwich Cathedral Dean and Chapter Library: Norwich, Norfolk; a medieval monastic (Benedictine) foundation; over 8,000 vols., some incunabula and MSS.; Librarian Cathedral Office, The Close, Norwich, NOR 16P.

Peterborough Cathedral Library: Peterborough; contains *c.* 8,000 vols., some important medieval MSS. and many early printed books; books printed before 1800 are now deposited in the Cambridge University Library, save those of local concern; Librarian Canon A. S. GRIBBLE, M.A.

Prince Consort's Army Library: Knollys Rd., Aldershot, Hants.; f. 1860; military studies library, 20,000 vols., and Army historical library, 25,000 vols.; Librarian Mrs. J. L. SEARS, A.L.A.

Ripon Cathedral Library: Ripon, Yorks.; f. 1608; mainly old books including a rare Caxton and many incunabula; some important 15th–16th century printed books, early MSS. Service Books, 13th–15th-century MSS., Books of Hours, 13th-century Bible, a collector's library of Anthony Higgins, f. 1570, preserved almost intact, etc.; Librarian Canon J. G. B. ASHWORTH.

St. Deiniol's Residential Library: Hawarden, Deeside, Clwyd; f. 1895 by W. E. Gladstone; 100,000 vols.; accommodation for 39 men and women students in Theology, History, Philosophy, Classics, English and European Literature; Warden Rev. PETER J. JAGGER, M.A., M.PHIL.

Salisbury Cathedral Library: The Cathedral, Salisbury, Wilts.; f. 11th century; contains books, medieval MSS., and an original Magna Carta, dated June 15th, 1215; open only to *bona fide* research students by appointment; Librarian Rev. STANLEY C. DEDMAN, A.L.A.

The Shakespeare Centre: Stratford-upon-Avon, Warwicks.; f. 1964; *c.* 40,000 vols., comprising the collections of the Shakespeare Birthplace Trust and the Royal Shakespeare Theatre Library; Dir. and Librarian Dr. LEVI FOX, O.B.E., D.L., M.A., F.S.A., F.R.HIST.S., F.R.S.L.

York Minster Library: Dean's Park, York, YO1 2JD; f. 7th/8th century, refounded *c.* 1410; 70,000 vols., 80 incunabula, 80 mediaeval MSS., 200 music MSS.; special collections include Civil War Tracts and Yorkshire local history (10,000 vols.); Librarian Canon R. CANT.

SCOTLAND

Royal Botanic Garden Library: Edinburgh, EH3 5LR; incorporated Natural History section of Plinian Society of Edinburgh in 1814 and the library of the Botanical Society of Edinburgh in 1872; over 75,000 vols.; 3,000 (1,500 current) periodicals; 65,000 pamphlets and reprints; large collection of pre-Linnean literature; extensive collection of cuttings, illustrations (some original drawings and paintings) and photographs, etc.; correspondence of early Regius Keepers and other botanists from Britain and abroad; diaries, journals and letters relating to botanical expeditions and tours; maps, plans and other documents relating to the history of the Garden; Librarian M. V. MATHEW, B.A., D.L.SC., A.L.A.

Royal College of Physicians and Surgeons of Glasgow Library: 242 St. Vincent St., Glasgow, G2 5RJ; f. 1698; 150,000 vols.; Librarian A. M. RODGER, B.A., A.L.A.; publ. *Scottish Medical Journal*.

Royal College of Physicians of Edinburgh Library: 9 Queen St., Edinburgh, EH2 1JQ; f. 1681; *c.* 200,000 vols.; open to all medically qualified persons; almost exclusively medical, with emphasis on clinical medicine; particularly rich in the early sources of medical knowledge and its periodical collection; over 1,000 vols. of MSS.; Librarian Miss J. P. S. FERGUSON, M.A., A.L.A.

Royal Society of Edinburgh Library: 22–24 George St., Edinburgh, EH2 2PQ; f. 1783; 300,000 vols.; David Hume MSS.; Librarian W. H. RUTHERFORD, F.C.I.S.

Scottish Record Office: H.M. General Register House, Edinburgh, EH1 3YY; national archives of Scotland; local and church records and records of Scottish government and law from 12th to 20th centuries; contains also many groups of deposited private muniments; Keeper of the Records of Scotland JOHN IMRIE, M.A., LL.D.

Signet Library: Parliament Square, Edinburgh; date of foundation *c.* 1722, but there were Writers to H.M. Signet as early as 1460; *c.* 65,000 vols.; in the Library of the Society of Writers to Her Majesty's Signet are special collections of Scottish literature, genealogies, legal literature, including that of the British Commonwealth; Keeper of the Signet The Earl of WEMYSS AND MARCH, K.T.; Deputy Keeper RONALD K. WILL, W.S.; Librarian GEORGE H. BALLANTYNE, M.A., F.L.A.

WALES

Library of the National Museum of Wales: Cathays Park, Cardiff, CF1 3NP, Glam.; f. 1907; books and periodicals relevant to the Museum collections; also houses libraries of Cardiff Naturalists Society and Cambrian Archaeological Association; 101,000 vols.; Librarian W. J. JONES, F.L.A.

UNIVERSITY AND COLLEGE LIBRARIES

LONDON

British Library of Political and Economic Science: London School of Economics, Houghton St., Aldwych, WC2A 2AE; f. 1896; contains over 660,000 bound vols. and numerous other items covering economics, political science, law (especially international), sociology, history, geography, etc., legislative and administrative reports, important deposits of official documents, and special collections, including MSS.; Librarian D. A. CLARKE, M.A.; publs. *Notes for Readers, A London Bibliography of the Social Sciences, Classified Catalogue of a Collection of Works on Publishing and Bookselling in the British Library of Political and Economic Science, Outline of the Resources of the Library, Interim Check-List of the Publications of Sidney and Beatrice Webb.*

Guy's Hospital Medical School: The Wills Library: St. Thomas's St., SE1 9RT; f. 1903; 30,000 vols.; Wills Librarian JEAN FARMER; publ. *Guy's Hospital Gazette*† (monthly).

Imperial College Libraries: South Kensington, SW7 2AZ; College (Lyon Playfair) Library: f. 1962; 300,000 vols.; include Haldane Library of non-scientific literature and 18 departmental libraries; College Librarian ADRIAN WHITWORTH, M.A.

Institute of Advanced Legal Studies Library: 17 Russell Square, WC1B 5DR; f. 1947; *c.* 130,000 vols., *c.* 2,200 current periodicals; comprehensive collection of legal literature (except for Oriental laws and literature of East European law in East European languages), with special emphasis on English law, the legal systems of the Commonwealth, United States law, Western European law, Latin American law, international law; Librarian W. A. F. P. STEINER, LL.M., M.A., A.L.A.; publs. *List of current legal research topics* (annual), *List of official committees, commissions and other bodies concerned with the reform of the law* (biennial), *Index to foreign legal periodicals* (quarterly).

Institute of Historical Research Library: University of London, Senate House, London, WC1E 7HU; f. 1921; 119,000 vols.; Librarian WILLIAM KELLAWAY, M.A.; publs. *Bulletin, Historical Research for University Degrees in the United Kingdom* (annual), *Teachers of History in the Universities of the United Kingdom* (annual), *Writings on British History.*

King's College Library: Strand, WC2R 2LS; f. 1829; contains *c.* 395,000 vols.; Librarian IAN ANGUS, M.A., DIP. LIB.

The London Hospital Medical College Library: Turner St., London, E1 2AD; f. 1785; 27,000 vols.; Librarian J. A. MCGUIRK, M.A., DIP.LIB.

London School of Hygiene and Tropical Medicine Library: Keppel St., Gower St., WC1E 7HT; f. 1924; *c.* 65,000 vols., 1,400 current periodicals; tropical and preventive medicine in all aspects, many series of medical reports; Librarian V. J. GLANVILLE, A.L.A.; publ. *Dictionary Catalogue.*

Middlesex Hospital Medical School Library: Riding House St., London, W1P 7PN; f. 1835; medical and ancillary sciences; 15,000 vols.; 300 current periodicals; Librarian Miss J. HICKLING, F.L.A.

Queen Mary College Library: Mile End Rd., London, E1 4NS; f. 1887; 220,000 vols.; Librarian T. H. BOWYER, B.SC., F.L.A.

Royal Academy of Music Library: Marylebone Rd., NW1 5HT; f. 1823; 90,000 vols. and 25,000 sets of orchestral parts, gramophone records; special collections include Sir Henry Wood Library, Angelina Goetz Library; Librarian Miss M. J. HARINGTON, B.A., L.R.A.M.

Royal College of Music Libraries: Prince Consort Rd., South Kensington, SW7 2BS; f. 1883; *The Parry Room Library:* antiquarian printed and manuscript music, collected editions, periodicals, admission by Reader's Ticket only; Keeper WATKINS SHAW, M.A., D.LITT., F.S.A.; *General Library:* over 100,000 vols., generally for use of students and professors of the college only; Librarian PAMELA THOMPSON, B.A.

School of Oriental and African Studies Library: (University of London), Malet St., WC1E 7HP; f. 1916; over 500,000 vols. and pamphlets and 2,000 MSS. dealing with Oriental and African languages, literatures, philosophy, religions, history, law, cultural anthropology, art and archaeology, social sciences; Librarian V. J. PARRY, M.A., F.L.A.

School of Slavonic and East European Studies Library: University of London, Senate House, WC1E 7HU; f. 1915; 200,000 vols. on the history, language and literature of Russia, Finland, and the countries of eastern and south-eastern Europe; Librarian J. E. O. SCREEN, M.A., PH.D., A.L.A.

St. Mary's Hospital Medical School Library: Norfolk Place, Paddington, W2 1PG; f. 1854; 23,000 vols.; Librarian N. D. PALMER, B.A., A.L.A.

University College Hospital Medical School Library: University St., W.C.1; f. 1907; 29,000 vols.; Librarian G. R. PEACOCK, A.L.A.

University College Library: Gower St., WC1E 6BT; f. 1828; contains over 800,000 books and periodicals, and includes several special collections of great value, e.g. manuscripts of Jeremy Bentham, papers of Sir Edwin Chadwick, C. H. Barlow Dante collection augmented by libraries of Sir John Rotton and Mr. H. St. John Brooks, J. T. Graves mathematical library, Whitley Stokes Celtic library, C. K. Ogden library including correspondence of Lord Brougham, and scripts and letters of George Orwell; houses Mocatta library of Anglo-Judaica, and libraries of Biographical Society, British Society of Franciscan Studies, Folklore Society, Geologists' Association, Hertfordshire Natural History Society, Huguenot Society, London Mathematical Society, Malacological Society, Philological Society, Royal Historical Society, Viking Society for Northern Research; Librarian J. W. SCOTT, B.A., A.L.A.

University of London Library: Senate House, WC1E 7HU; f. 1838; primarily for members of the University, contains about one million vols. for reference and loan, including several special collections, e.g., the Goldsmiths' Library of Economic Literature, the De Morgan Library of early mathematical and astronomical books, the Quick Memorial Library of old educational books and the history of education, the Durning-Lawrence Library of Elizabethan-Jacobean Literature, particularly strong in Shakespeare and Sir Francis Bacon, the Harry Price Library of Magical Literature, the Sterling Library of early editions, mainly of English Literature; Carlton Shorthand Library, Bromhead Library of Books on London, the United States Library, Family Welfare Association Library, Malcolm Morley Theatre collection, Belgian Library; Dir. DOUGLAS J. FOSKETT, O.B.E., M.A., F.L.A., F.R.S.A.

PROVINCES

University of Aston in Birmingham Library: Gosta Green, Birmingham, B4 7ET; f. 1895; 131,000 vols., 49,000 bound periodicals; Comrie collection of Mathematical tables; Librarian CHARLES R. BURMAN, B.A., F.L.A.; publs. *Library Newsletter* (2 a term), *Higher Education Current Awareness Bulletin*† (fortnightly), *Current Contents Bulletins*† (fortnightly), *Library Guide*†, *Special Subject Guides*†.

University of Bath Library: Claverton Down, Bath, BA2 7AY; 150,000 vols.; contains Sir Isaac Pitman's Library; University Librarian J. H. LAMBLE, M.A., A.L.A.

University of Birmingham Library: P.O.B. 363, Edgbaston, Birmingham, B15 2TT; f. 1880 (as Mason Science

College Library); 1,075,000 vols.; 7,800 current periodicals; arts, music, commerce and social science, science and engineering, law, medicine; papers of Joseph Chamberlain, Sir Austen Chamberlain, Neville Chamberlain, John Galsworthy, etc.; Librarian M. A. PEGG, PH.D.; publs. *Guide to the Library* (annually), *Regulations* (irregular), *Librarian's Report* (annually), *Special Guides* (irregular), *Quick lists* (irregular), *Library Information Sheets* (irregular).

Bodleian Library: Broad St., Oxford; the library of Oxford University; f. 1602; contains about 4,250,000 printed vols., 50,000 MSS.; includes the Radcliffe Camera, New Library and four dependent libraries: the Radcliffe Science Library, the Law Library, the Indian Institute Library and Rhodes House Library (for the history of the British Commonwealth and of the United States); a Copyright library, entitled to a free copy of every book published in the U.K.: Librarian ROBERT SHACKLETON, M.A., D.LITT., F.B.A., F.S.A., F.R.S.L.; publ. *The Bodleian Library Record* (once or twice a year).

University of Bradford Library: Bradford, Yorks., BD7 1DP; f. 1966; *c.* 300,000 vols.; Librarian F. EARNSHAW, B.A., A.L.A.; publs. *Annual Report*†, *Library Bulletin*†, *Know your Library*†, occasional bibliographies and guides†.

University of Bristol Library: The University, Bristol, BS8 1TJ; f. 1923; 630,000 vols.; special collections include the English novel to 1850, the Sir Allen Lane Penguin collection, business histories, early medicine, mathematics, chemistry and physics, Pinney Papers (17th–19th centuries), I. K. Brunel workbooks and papers, Gladstone collection of pamphlets and election addresses; Librarian N. HIGHAM, M.A., A.L.A.

Cambridge University Archives: The University Library, West Rd., Cambridge, CB3 9DR; f. 1260; collection includes: charters of privilege, statutes, Grace books, royal letters and mandates, foundation deeds, letters-patent, transcripts, university ecclesiastical and civil jurisdiction, university departmental records, records of the University Press, etc.; Keeper of the Archives (vacant).

Cambridge University Library: West Rd., Cambridge; a Copyright library; contains over 3,000,000 printed books, over 15,000 MSS., large collections of papers and correspondence, and 780,000 maps; the collections have been accumulating since the beginning of the 15th century; Librarian E. B. CEADEL, M.A.

Cambridge University.

College Libraries:

Christ's College Library: f. 1448, refounded 1506; 50,000 vols., incunabula, periodicals; special collections: works of John Milton, including over 100 items published before 1700, Charles Lesingham Smith collection of early mathematical and scientific works, William Robertson Smith Oriental Library, Sir Stephen Gazelee collection of Coptic studies, A. H. Wratislaw collection of Slavonic language and literature, W. H. D. Rouse collection of Indian studies and pre-16th century English books; Librarian C. P. COURTNEY, PH.D.

Churchill College Library: f. 1960; 28,500 vols.; special collections, extensive political, military and scientific archives mainly of the late 19th and 20th centuries; Librarian A. L. R. FINDLAY, M.A., PH.D.; Keeper of Archives CORRELLI BARNETT, M.A.

Clare College Library: f. 1326; comprises Fellows' Library (8,000 vols.) and Forbes Library (10,000 vols.); special collections: Cecil Sharp MSS.; Forbes Librarian R. D. GOODER, PH.D.; Fellows' Librarian N. O. WEISS, PH.D.

Corpus Christi College Library: f. 14th century; 5,000 vols.; special collections: Parker bequest of MSS. and early printed books, Lewis collection of coins, gems and other antiquities; Librarian R. I. PAGE, M.A.

Downing College Library: f. 1800; special collections of Bowtell MSS. relating to the city and university of Cambridge, 500 vols. of naval history and navigation and large collection of law, Civil War and Commonwealth newspapers; Librarian G. P. CHAPMAN, PH.D.

Emmanuel College Library: f. 1584; 320 MSS. from 12th century to the present; 59,000 vols. with large number of pre-18th century works; Librarian F. H. STUBBINGS, M.A., PH.D., F.S.A.

Fitzwilliam College Library: f. 1869; 23,000 vols.; Librarian J. STREET, M.A., PH.D.

Girton College Library: f. 1869; 64,000 vols., 120 periodicals; special collections: Newall collection of Scandinavian material, Frere collection of Hebrew MSS., Crews collection of Judeo-Spanish material, Somerville collection of mathematics, Bibas collection of 18th-century French works, Blackburn collection of women's rights materials; Librarian MARGARET GASKELL, M.A.

Gonville and Caius College Library: f. 1348; 32,000 vols., 1,000 MSS. related to medieval law and science; special collections: 17th century heraldic and genealogical records, Charles Doughty's "Word Notes"; Librarian J. H. PRYNNE, M.A.

Jesus College Library: f. 1500; 10,300 vols., 39 incunabula, 80 medieval MSS. on north-country monasteries, 17 oriental MSS.; special collections; Civil War tracts, military science, large theological collection; Keeper of the Old Library, D. J. V. FISHER.

King's College Library: f. 1441; 125,000 vols.; special collections: music, MSS. of Sir Isaac Newton (available on microfilm in the University Library), 20th-century literary MSS., notably major collections of Rupert Brooke, E. M. Forster and T. S. Eliot; Librarian P. J. CROFT, M.A.

Magdalene College Old Library: MSS. of works by Thomas Hardy, Rudyard Kipling and T. S. Eliot and 33 MSS., including a 14th-century Apocalypse; incunabula, including Caxton's 2nd edition of Chaucer's Canterbury Tales, foreign-printed books of 16th, 17th and 18th centuries, early theological works; Librarian Prof. J. A. W. BENNETT, F.B.A.

Newnham College Library: f. 1897; 8 medieval MSS., incunabula, early editions of poets, dramatists and chroniclers of 16th and 17th centuries; Librarian A. PHILLIPS, M.A.

Pembroke College Library: f. 1347; 40,200 vols., medieval MSS.; special collections: papers of Gray, C. Smart, William Mason, R. Storrs; Librarian R. C. TREBILCOCK, M.A.

Pepys Library (Magdalene College): f. 1724 in its present location; 3,000 vols. in original bookcases; Pepys's own collection (MSS., books, music, maps, prints and drawings), not added to since 1704; Pepys's own catalogue; special collections: Pepys MSS. (including Diary), medieval MSS., naval and historical MSS. (mostly English, 16th- and 17th-century), calligraphic collection, prints of London and Westminster, incunabula, broadside ballads, plays, etc.; Librarian R. C. LATHAM, C.B.E., M.A.

Peterhouse (Perne) Library: f. 1594; 280 medieval MSS. (on permanent deposit in University Library); 25,000 vols., 60 incunabula; special collections: first editions of classics in science, series of early liturgical books; Librarian Prof. E. J. KENNEY, M.A., F.B.A.

Queens' College Library: f. 1448; 22 medieval MSS., 30 incunabula, over 33,000 vols.; catalogue by Thomas Hartwell Horne (1827); Milner collection of works on history of Reformation and 18th-century science and mathematics; Librarian I. R. WRIGHT, M.A.

St. Catharine's College Library: f. 18th century; MSS., 30 incunabula, 24,000 vols.; special collections: 17th century political and religious tracts, 184 vols. of 18th century medical works (Addenbrooke collection), medieval Romance literature, Spanish books and MSS. of 16th and 17th centuries; Librarian J. R. SHAKESHAFT, M.A., PH.D.

St. John's College Library: f. 1624; MSS.; special collections: 15th century books, early French and Italian works, Benlowes collection of 17th-century poems, Matthew Prior folios, Sir Soulden Lawrence law collection, Thomas Gisborne collection of 18th-century books, Samuel Butler collection, Smith collection of Rabelais literature, Wordsworthiana, mathematical works of historical interest from libraries of Adams, Todhunter and Pendlebury, Thomas à Kempis bequest, Hugh Gatty Library; Librarian A. G. LEE, M.A.

Selwyn College Library: f. 1930; 30,000 vols., MSS., incunabula; special collections: diaries and papers of George Augustus Selwyn (1809–78) Primate of New Zealand and later Bishop of Lichfield, MSS. and correspondence of Brooke Foss Westcott (1825–1901) Bishop of Durham, large collection of theological works including 3,000 19th-century English ecclesiastical pamphlets; Librarian A. P. VLASTO, M.A., PH.D.

Sidney Sussex College Library: f. 16th century; 7,300 vols., 106 MSS., incunabula; special collections: 18th and 19th century mathematical books; Taylor Mathematical Library (separately administered); Librarian M. STEWART.

Trinity College Library: f. 1546; MSS.; 150,000 vols.; Western MSS. collection includes: 138 Greek MSS., medieval MSS. including 10th-century Gospels, Canterbury Psalter and the Apocalypse, large number of literary MSS. including Milton's shorter poems, Tennyson's poetical drafts, works by Thackeray, FitzGerald, Macaulay, A. E. Housman, Capell collection of Shakespeareana, numerous MSS. of Newton, Bentley, Whewell and Houghton; letters and MSS. of 17th, 18th and 19th centuries; Oriental MSS.; 740 incunabula; special collections of printed books include: collection of canon Law and Bibles, Julius Hare collection of German theology and philosophy, Rothschild library of 18th-century English literature, French and Italian books, classical pamphlets, 19th-century mathematical books, 800 volumes from the library of Isaac Newton, Civil War tracts, large collection of 18th- and 19th-century English books; microfilms, photostats, xerographic and bromide prints; Librarian P. GASKELL, M.A., PH.D.

Trinity Hall Library: f. 1600; 15,000 vols., 31 MSS.; special collections: early canon law, Larman Bequest of books and MSS. relating to Reformation and Tudor periods, particularly heraldry, ecclesiastical history and theology; Librarian J. CREMONA, M.A., PH.D.

Special Libraries:

Balfour and Newton Library: Department of Zoology, Downing St., Cambridge; Balfour Library f. 1883, Newton Library f. 1907; 16,300 vols., 15,400 periodicals, over 100,000 reprints; special collections: Newton and Strickland collections of ornithology, McAndrew collection of conchology, Watson collection of malacology; Librarian R. HUGHES.

Marshall Library of Economics: Sidgwick Ave., Cambridge, CB3 9DB; f. 1925; 69,000 vols.; special collections: Pryme collection of economic literature, mostly dating from before 1840; Librarian Miss M. HANNIGAN.

Squire Law Library: The Old Schools, Cambridge; f. 1904; 88,000 vols.; special collections: Roman law, legal history, conflict of laws, international law, political biographies; research library; Deputy Librarian G. G. E. HUGHES.

Durham University Library: Palace Green, Durham; f. 1833; over 500,000 vols.; special collection includes those formed by Bishop Cosin, Dr. Routh, Bishop Maltby and Dr. Winterbottom, and the Sharp Library from Bamburgh Castle, 200 incunabula, First Folio Shakespeare, old bindings and medieval MSS., Oriental Section containing 120,000 items and Sudan Archive, Science Section containing over 80,000 items, Education section containing 20,000 items; Librarian A. M. McAULAY, B.A., F.L.A.; publs. Durham University Library publications (occasional).

University of East Anglia Library: University Plain, Norwich, NR4 7TJ; 360,000 vols.; Librarian W. L. GUTTSMAN, M.SC.(ECON.).

University of Essex Library: P.O.B. 24, Colchester, CO4 3UA; f. 1964; *c.* 250,000 vols., 2,800 current periodicals; Librarian (vacant).

Exeter University Library: Prince of Wales Rd., Exeter, EX4 4PT; f. 1937; 450,000 vols.; administers Exeter Cathedral Library (*q.v.*), and Library of Devon and Exeter Institution (36,000 vols.); Librarian J. F. STIRLING, J.P., M.A.

University of Hull: The Brynmor Jones Library: Cottingham Rd., Hull, Yorkshire; f. 1928; 500,000 vols.; special collections, South East Asia, British Labour history; Librarian P. A. LARKIN, C.B.E., M.A., C.LIT., F.R.S.L., A.L.A.

John Rylands University Library of Manchester: University of Manchester, Oxford Rd., Manchester, M13 9PP; f. 1972 by merger of John Rylands Library (f. 1900) with Manchester University Library (f. 1851); *c.* 3,000,000 vols.; special collections include: Althorp collection of Earl Spencer (3,000 incunabula), Christie collection (classical Renaissance), Freeman collection (history), Bullock collection (Italian 16th century), Partington collection (history of chemistry), collections on Jewish Haskalah literature, Methodism (including Methodist Archives and Research Centre) and literature of dissent, French Revolution, labour history, history of science and medicine; large reference and research library in the humanities, science and medicine; 17,000 European and Oriental MSS. notably the collection of the Earls of Crawford and Balcarres; *c.* 1,000,000 deeds and charters; *Manchester Guardian* archives; numerous tracts, journals, and broadsides of 17th and 18th centuries, English and French, Mazarinades; rare bindings and association copies; Jevons, Tout, Auchinleck and numerous collections of papers, literary, industrial, military, etc.; 500,000 titles in microform; Dir. Dr. F. W. RATCLIFFE, J.P., M.A., PH.D.; publ. *Bulletin* (2 a year).

University of Keele Library: Keele, Staffs., ST5 5BG; f. 1949; 430,000 vols.; Librarian S. O. STEWART, M.A.

University of Kent Library: Canterbury; 350,000 vols.; humanities, social sciences, mathematics, natural and physical sciences; Librarian W. J. SIMPSON, B.A., DIP.LIB.STUD., A.L.A., F.R.S.A.

University of Lancaster Library: Bailrigg, Lancaster; 400,000 vols.; Librarian ARTHUR DAVIES, B.A., A.L.A.

Leeds University Library: Leeds, LS2 9JT; f. 1874; 1,251,881 vols. and pamphlets including the Brotherton Collection which contains 49,255 vols. and pamphlets and a large number of MSS., deeds and letters; Librarian D. Cox, B.A., A.L.A.; publs. *Leeds Studies in English*†, *Leeds texts and monographs*†, *Proceedings of the Leeds Philosophical and Literary Society: literary and historical section*†, *Proceedings of the Leeds Philosophical and Literary Society: scientific section*†, *Proceedings of the Yorkshire Geological Society*†, *University of Leeds review*†.

Leicester University Library: University Rd., Leicester; f. 1921; special collections of local history of England and Wales, Transport History and French memoirs, Fairclough Collection on 17th century studies; 450,000vols.; Librarian D. G. F. Walker, M.A., LL.B.

Liverpool University Library: P.O.B. 123, Liverpool, L69 3DA; 820,000 vols., 6,000 current periodicals; special collections include 254 incunabula, the T. G. Rylands collection (early cartography, Lancashire and Cheshire history), the William Blake collection, the Scott Macfie collection (gipsy lore), the William Noble collection (modern private presses), the Knowsley collection (17th–19th-century English pamphlets), the Peers collection (Spanish Civil War), and the Fraser collection (*c.* 900 books and pamphlets on tobacco; also much material on positivism and secularism), Latin-American collection specializing in Peru and Brazil; modern MS. holdings include the Rathbone, Blanco White, Brunner and Glasier papers; the School of Education Library contains an important collection of children's books; Librarian V. E. Knight, M.A.; publs. *Periodicals Finding List* (irregular), *Annual Report*.

Newcastle University Library: Newcastle upon Tyne; f. 1871 as Library of Durham College of Physical Science; 440,000 vols.; special collections include the Heslop Collection of English dictionaries, Gertrude Bell Oriental Collection, Pybus Medical (historical) Collection, etc.; Librarian Dr. B. J. Enright; Library publications issued occasionally.

Nottingham University Library: University Park, Nottingham, NG7 2RD; f. (University College) 1881; *c.* 700,000 vols. and pamphlets; 4,600 current periodicals; MSS. and archives (Portland, Newcastle, Middleton, Manvers, etc.) *c.* 2,000,000 items; special collections include D. H. Lawrence, early children's books, French Revolution, meteorology, ornithology; includes Agriculture Library (Sutton Bonington) and Medical Library; Librarian P. A. Hoare, M.A., A.L.A.

Open University Library: Walton Hall, Milton Keynes, MK7 6AA; f. 1969; 90,000 vols.; special collection in Educational Technology; Librarian D. J. Simpson.

Oxford University (*see* Bodleian Library).

College Libraries:

Balliol College Library: f. 1263; 70,000 vols.; Librarian E. V. Quinn, M.A.

Brasenose College Library: 38,000 vols.; Librarian P. J. Jones, M.A., D.PHIL.

Christ Church Library: 100,000 vols.; Librarian J. F. A. Mason, M.A., D.PHIL., F.S.A., F.R.HIST.S.

Codrington Library (All Souls College): Oxford, OX1 4AL; f. 1710; 110,000 vols.; special collections: medieval and modern history, military history and law; Librarian J. S. G. Simmons, M.B.E., M.A., F.L.A.

Corpus Christi College Library: f. 1517; 60,000 vols., MSS.; special collections: incunabula, early English printed books, 17th- and 18th-century Italian books, English, French and German books on 19th-century philosophy; Librarian T. H. Aston, M.A.

Exeter College Library: Librarian Dr. J. R. Maddicott, M.A., D.PHIL., F.R.HIST.S.

Hertford College Library: Librarian N. G. McCrum, M.A., D.PHIL., D.SC.

Jesus College Library: f. 1571; 20,000 vols.; special collections: Celtic collection, library of Lord Herbert of Cherbury, works by and on T. E. Lawrence (of Arabia); Librarian J. D. Walsh, M.A., PH.D.; Archivist D. A. Rees, M.A., D.PHIL.

Keble College Library: f. 1876; *c.* 40,000 vols. in working library; special collections: medieval MSS., incunabula and early printed books, Millard collection, Hatchett-Jackson collection, Port-Royal, John Keble's own library, part of Henry Liddon's library; Fellow Librarian Dr. D. C. Potts.

Lincoln College Library: f. 1427; 27,000 vols.; Librarian Dr. S. Gill.

Magdalen College Library: f. 1458; 49,000 vols.; special collections: 16th- to 18th-century books, late medieval English history; Librarian G. L. Harriss, M.A., D.PHIL.

Merton College Library: Librarian J. R. L. Highfield, M.A., D.PHIL.

New College Library: f. 1379; 90,000 vols.; special collections: medieval MSS., incunabula, early archives; Librarian the Rev. G. V. Bennett, M.A., D.PHIL.; publ. *The Archives of New College Oxford*.

Oriel College Library: f. 1326; 40,000 vols.; special collection of personages who attended Oriel College; Librarian W. E. Parry, M.A., D.PHIL.

Pembroke College Library: f. 1883; 32,000 vols.; Chandler collection of Aristotelia; Librarian Dr. J. D. Fleeman.

Queen's College Library: 130,000 vols.; Librarian J. O. Prestwich, M.A., F.R.HIST.S.

St. Edmund Hall Library: f. 17th century; 32,000 vols.; Fellow Librarian C. J. Wells, M.A.

St. John's College Library: 80,000 vols.; Librarian H. M. Colvin, C.B.E., M.A., F.B.A., F.R.HIST.S.

Trinity College Library: Librarian M. Maclagan, M.A., F.S.A. (acting).

University College Library: f. 1249; 20,000 vols.; special collections are deposited in the Bodleian Library (*see* above) with the exception of small collection of Lord Attlee's post-war papers; Librarian R. Park.

Wadham College Library: f. 1613; 50,000 vols.; special collections: 16th-century theology, 17th-century science; Persian history and literature; Librarian R. S. Dawson, M.A.

Worcester College Library: f. 1714; 75,000 vols.; special collections: Clarke Papers (Civil War and Commonwealth documents), architectural books and drawings (Inigo Jones, Hawksmoor), English poetry and drama from 1550–1750, Pottinger collection of 19th-century pamphlets; Librarian (vacant).

Special Libraries:

Ashmolean Library: Beaumont St., Oxford, OX1 2PH; f. 1969, but fmrly. dept. of Ashmolean Museum, f. 1683; 215,000 vols.; archaeology, ancient history and ancient Near Eastern studies, patristics and Byzantine studies, numismatics, classical languages and literature, Western art and architecture. Special collections include Grenfell and Hunt Papyrological Library, Griffith Egyptological Library, Haverfield and Richmond Archives and original documentation of principal archaeological expeditions and explorations and classifications of artefacts; Librarian C. Currie.

Taylor Institution Library: St. Giles, Oxford, OX1 3NA; f. 1845; 285,000 vols.; Continental European languages and literature, medieval and modern, including general and historical background material; literature of modern Latin America, Celtic studies, philology and general linguistics; special collections: Voltaire and Enlightenment studies, general pre-1800 and Italian literature (Finch collection), German (Fiedler), French (Rudler), Spanish and Portuguese (Martin and Butler Clarke), Dante (Moore), Slavonic (Forbes and Morfill), Modern Greek (Dawkins); Librarian G. G. BARBER.

Reading University Library: Whiteknights, Reading, RG6 2AE; f. 1892; approx. 500,000 vols., 4,000 current periodicals; special collections include Overstone Library, Stenton Library on English history, Cole Library on early zoology, Finzi collection of English literature, Turner collection of French Revolution pamphlets, and collections on agricultural history; Librarian J. THOMPSON, B.A., F.L.A.

University of Salford Library: Salford, M5 4WT; f. 1957; *c.* 200,000 vols.; Librarian A. C. BUBB, B.A., F.L.A.; publs. *Guides.*

Selly Oak Colleges Library: Birmingham, B29 6LE; f. 1921; social studies, anthropology, religion and mission, world area studies, development aid, Islamics; 60,000 vols., 3,000 Arabic and Syriac MSS.; Greek papyri; Librarian Miss F. H. B. WILLIAMS, M.A., DIP. LIB.

Sheffield University Library: Western Bank, Sheffield, S. Yorks., S10 2TN; over 600,000 books and pamphlets; special collections include Sir Charles Firth's collection of 17th-century tracts; Librarian C. K. BALMFORTH, M.A., F.L.A.

Southampton University Library: Southampton, SO9 5NH; Main and Departmental libraries about 560,000 vols., about 6,300 current periodicals, Wessex Medical Library, Ford Collection of Parliamentary Papers (1801 to date), Cope collection of Hampshire material, Perkins Agricultural Library, Parkes Library (relationship between Jewish and non-Jewish worlds), Hampshire Field Club Library; Librarian B. NAYLOR, M.A., A.L.A.

University of Surrey Library: Stag Hill, Guildford, Surrey; f. 1894; 225,000 vols., 2,600 current periodicals; Librarian R. F. EATWELL, M.A., F.L.A.; publ. *Current Awareness Bulletin.*

University of Sussex Library: Falmer, Brighton, BN1 9QL; 450,000 vols.; Librarian P. R. LEWIS, M.A., F.L.A.

University of Warwick Library: Gibbet Hill Rd., Coventry; f. 1963; 500,000 vols.; special collections: British and foreign statistical serials (trade, finance, production), current and retrospective, Economics Working Papers, pre-1948 collections of Howard League for Penal Reform, Modern Records Centre (labour history, industrial relations, politics); Librarian P. E. TUCKER, M.A., B.LITT., A.L.A.

University of York Library: Heslington, York, YO1 5DD; f. 1963; 220,000 vols.; Librarian HARRY FAIRHURST, M.A.

SCOTLAND

Aberdeen University Library: New Library, Meston Walk, Old Aberdeen; f. 1494; 750,000 vols.; McBean Jacobite Collection, O'Dell railway collection, Taylor psalmody collection, Gregory, Melvin and other special collections; Librarian J. M. SMETHURST, B.A., A.L.A.

University of Dundee Library: Dundee, DD1 4HN; f. 1881; 315,000 vols.; Librarian J. R. BARKER, M.A., F.L.A.

Edinburgh University Library: George Square, Edinburgh, EH8 9LJ; f. 1580; over 1,300,000 vols.; Drummond (of Hawthornden) Collection; Laing charters and MSS.; Halliwell-Phillipps Collection; MSS. on Scottish economic history; includes the New College Library (Faculty of Divinity) of 225,000 vols.; Librarian E. R. S. FIFOOT, M.C., M.A., A.L.A.

Glasgow University Library: Hillhead St., Glasgow, G12 8QE; f. 15th century; over 1,100,000 vols.; incorporates Trinity College Glasgow Library (Church of Scotland); Hunterian Books and MSS., Euing Collections of the Bible and music, Hamilton Collection of philosophy, Ferguson Collection of the history of chemistry, Stirling Maxwell Collection of Emblem books; Librarian H. J. HEANEY, M.A., A.L.A.

Heriot-Watt University: Cameron Smail Library: Riccarton, Edinburgh, EH14 4AS and Chambers St., Edinburgh, EH1 1HX; f. 1821; 95,000 vols., 1,500 periodicals; Librarian A. ANDERSON, M.A., F.L.A.; publs. *Annual Report, Readers' Guide.*

University of St. Andrews Library: St. Andrews, Fife; f. 1412; 700,000 vols., MSS., maps and numerous special collections, including Donaldson (Classics and Education), J. D. Forbes (Science), and Von Hügel (Theology and Philosophy); Librarian A. G. MACKENZIE.

University of Stirling Library: Stirling; f. 1966; 280,000 vols., 2,400 periodicals; collection of works of Sir Walter Scott and contemporaries, bibliography room with Albion and Columbian presses, I.U.P. set of 19th-century government publications; facilities for on-line information retrieval; Librarian P. G. PEACOCK.

Strathclyde University: The Andersonian Library: McCance Bldg., 16 Richmond St., Glasgow, G1 1XQ; f. 1796; 340,000 vols.; Anderson collection (founder's library), Young collection (alchemy and early chemistry), Laing collection (18th- and 19th-century mathematics); Librarian C. G. WOOD, M.A., F.L.A.

WALES

University of Wales Libraries.

University College of Wales Library: Aberystwyth; 300,000 vols.; Librarian W. W. DIENEMAN, M.A., A.L.A.

University College of North Wales Library: Bangor; 400,000 vols.; Librarian L. G. HEYWOOD, M.A.

University College, Cardiff, Library: P.O.B. 78,Cathays Park, Cardiff, CF1 1XL; 420,000 vols.; Salisbury Library (Welsh and Celtic Studies), EEC Documentation Centre, UN Depository, Youth Movement Archive, Brett collection of Tennysoniana, Ifor Powell collection of pamphlets on 20th-century affairs, Mazzini collection; Librarian R. J. E. HORRILL, B.A.

University College of Swansea Library: Singleton Park, Swansea; 450,000 vols. and pamphlets; Librarian F. J. W. HARDING, M.A.

Welsh National School of Medicine Library: Heath Park, Cardiff, CF4 4XN; f. 1931; 44,000 vols., including Branch and outlier libraries plus Historical Collection; Librarian R. J. DANNATT, B.A., A.L.A.

University of Wales Institute of Science and Technology Library: King Edward VII Ave., Cardiff, CF1 3NU; 135,000 vols.; Librarian J. K. ROBERTS, M.SC., A.L.A.

St. David's University College Library: Lampeter, Dyfed, SA48 7ED; 108,000 vols., including Tract collection of 9,000 items; Librarian G. P. LILLEY, M.A., F.L.A.; publ. *Cambria*†.

MUSEUMS AND ART GALLERIES

ENGLAND

London

British Museum: Great Russell St., W.C.1; f. 1753 in pursuance of the will of Sir Hans Sloane, and with the addition of the Cottonian and Harleian Libraries; opened 1759; present buildings begun 1823. Collections and exhibitions of prehistoric, Egyptian, Assyrian, medieval, oriental and other arts; prints, drawings, ceramics and coins. Ethnographical collections are displayed at Museum of Mankind, 6 Burlington Gardens, W.1. Many catalogues and reproductions are published. Chair. of Board of Trustees Lord Trevelyan; Dir. Dr. David Wilson, F.S.A.; Sec. G. B. Morris; Keepers of Departments: Prints and Drawings J. A. G. Gere; Egyptian Antiquities T. G. H. James; Western Asiatic Antiquities E. Sollberger; Greek and Roman Antiquities B. F. Cook; Medieval and Later Antiquities N. M. Stratford; Oriental Antiquities L. R. H. Smith; Ethnography M. D. McLeod; Prehistoric and Romano-British Antiquities I. H. Longworth; Coins and Medals R. A. G. Carson; Research Laboratory M. S. Tite; Conservation and Technical Services H. Barker.

British Museum (Natural History): Cromwell Rd., South Kensington, SW7 5BD; originates from the Natural History Departments of the British Museum, Bloomsbury, transferred to the present address 1881–85, and a branch comprising the Zoological Museum at Tring, Herts; in 1963 the Natural History Museum became a separate institution with its own body of trustees; Chair. of the Board of Trustees A. Williams, D.SC., F.R.S., F.R.S.E.; Dir. R. H. Hedley, D.SC., F.I.BIOL.; Deputy Dir. A. P. Coleman; Keeper of Zoology J. G. Sheals, PH.D., F.I.BIOL.; Keeper of Entomology P. Freeman, D.SC.; Keeper of Palaeontology H. W. Ball, PH.D.; Keeper of Mineralogy A. C. Bishop, PH.D.; Keeper of Botany J. F. M. Cannon, B.SC.; Head of Dept. of Public Services R. S. Miles, D.SC.; Head of Dept. of Central Services G. B. Corbet, PH.D.; Head of Dept. of Library Services M. J. Rowlands, F.L.A.; library: *see* Special Libraries.

Carlyle's House: 24 Cheyne Row, Chelsea, S.W.3; built 1708; National Trust property, contains Carlyle's books, paintings and furniture.

Courtauld Institute Galleries, University of London: Woburn Square, London, W.C.1; f. 1958; comprises the Lee and Gambier-Parry collections of Old Masters, the Samuel Courtauld collection of French Impressionist and Post-Impressionist paintings, the Roger Fry collection and the Sir Robert Witt and William Spooner collections of drawings; Dir. Prof. Peter Lasko; Curator Philip Troutman.

Cuming Museum (Borough of Southwark): 157 Walworth Rd., London, SE17 1RS; f. 1902; archaeological evidence for local history, Roman, medieval and post-medieval finds; the Lovett collection of London superstitions; Curator K. A. Doughty, F.L.A.

Dulwich College Picture Gallery: College Rd., Dulwich, S.E.21; built 1814 by Sir John Soane to house the collection of 371 pictures bequeathed by the artist Sir Francis Bourgeois; pictures by Rembrandt, Rubens, Cuyp, Berchem, Van Dyck, Teniers, Poussin, Claude, Watteau, Lancret, Raphael, Tiepolo, Canaletto, Reynolds, Gainsborough, Lawrence, Kneller, Lely, Romney, Greenhill, Murillo, etc.; Hon. Surveyor James Fitton, R.A.; Clerk to the Govs. D. G. Banwell, B.A.

Geffrye Museum: Kingsland Rd., E2 8EA; f. 1914; contains a small but excellent collection of furniture and domestic objects arranged in a series of period rooms from 1600 to 1939; reference library of books and periodicals on the arts and social history, temporary exhibitions, children's centre (Saturdays and holidays); Dir. Jeffery Daniels, M.A.

Geological Museum (Museum of Practical Geology): Exhibition Rd., South Kensington, SW7 2DE; part of the Institute of Geological Sciences administered by the Natural Environment Research Council; exhibitions include *The Story of the Earth*; *Britain before Man*; an extensive display of gemstones showing them in their parent rock associations, in their natural crystal form and final cut state; the regional geology and scenery of Great Britain; fine collections of British fossils, rocks and minerals, and minerals and metallic ores illustrating the geology of economically important mineral deposits throughout the world. There are also extensive reserve collections of fossils, rocks, minerals and building and decorative stones for reference and research. There is a regular programme of talks, demonstrations and films; programme free on request; Dir. A. W. Woodland, C.B.E., PH.D.; Curator F. W. Dunning, O.B.E., B.SC.

Goldsmiths' Hall: Foster Lane, E.C.2; The Hall of the Worshipful Company of Goldsmiths of London; built 1830–35; architect, Philip Hardwick; this is the third Hall on the site, and contains one of the finest collections of British silver from the 15th century to the present day, a unique collection of modern jewellery, a library, exhibition room, assay office for the hallmarking of gold, platinum and silver; Clerk of the Company C.P. de B. Jenkins, M.B.E., M.C.; Curator Rosemary Ransome-Wallis, B.A.

Hampton Court Palace: East Molesey, Surrey; contains a collection of paintings and tapestries, including Andrea Mantegna's nine great tempera paintings of "The Triumph of Julius Caesar"; Surveyor of the Queen's Pictures Sir Oliver Millar, K.C.V.O., F.B.A., F.S.A.; Superintendent of the Royal Collection J. Cowell.

Health and Safety Centre (Health and Safety Executive): 97 Horseferry Rd., SW1P 2DY; opened 1927; a permanent exhibition of methods, arrangements, and appliances for promoting the health and safety of workers; Dir. J. W. Hobson.

Horniman Museum and Library: London Rd., Forest Hill, SE23 3PQ; f. 1901; ethnographical collection from all parts of the world (including tools, musical instruments, the arts, magic and religion), and exhibits related to the natural history of animals; education centre; Aquarium; library of 35,000 vols., mainly on anthropology, prehistory, art, ethnomusicology and natural history; free lectures and concerts on subjects connected with the exhibits are given in autumn and winter; Dir. D. M. Boston, O.B.E., M.A.; Deputy Dir. J. Moss-Eccardt, A.M.A.; Keepers: (Ethnography) Mrs. V. E. Vowles, F.M.A., (Musicology) Miss F. Cooper, (Education) Mrs. E. D. Goodhew, PH.D., A.R.C.S., D.I.C., (Zoology) vacant; Librarian K. W. Allen, B.SC., A.L.A.

Imperial War Museum: Lambeth Rd., SE1 6HZ; a national museum and picture gallery; f. in 1917, illustrating and recording every aspect of the various operations in which the Armed Forces of the British Commonwealth have been engaged since 1914; contains many exhibits, 10,000 works of art, 4,500,000 photographs, archive on British and foreign documents, more than 40 million feet of film and a growing collection of sound records; library of 100,000 vols., 25,000 pamphlets, 15,000 periodicals, 15,000 maps and drawings; Vice-

Pres. and Chair. of the Board of Trustees Marshal of the R.A.F. Sir John Grandy, G.C.B., K.B.E., D.S.O., Dir. Dr. A. N. Frankland, C.B.E., D.F.C., F.S.A.

Iveagh Bequest: Kenwood, Hampstead Lane, NW3 7JR; left to the nation by Edward Cecil Guinness, first Earl of Iveagh, in 1927; includes paintings of British, Dutch, Flemish and French Schools, housed in an 18th-century mansion containing a fine Adam library; summer exhibitions on aspects of 18th-century art; Admin. Trustee Greater London Council; Curator John Jacob, M.A., F.M.A.; publs. catalogues†.

Museum of London: London Wall, E.C.2; formed from amalgamation of London Museum and Guildhall Museum; London from earliest days to the present; displays the Lord Mayor's golden coach, etc.; Museum of the Year 1978; Chair. of Board of Govs. Viscount Harcourt, K.C.M.G., O.B.E.; Dir. Max Hebditch.

Museum of the Wellcome Institute for the History of Medicine: 183 Euston Rd., NW1 2BP; f. 1913 by Sir Henry S. Wellcome, LL.D.; the collection consists of about 200,000 exhibits illustrating the history of medicine and related aspects of the biological sciences from prehistoric times to the 20th century; medieval, instrument and microscope collections especially valuable; print room contains 150,000 engravings and prints; original paintings, works of art and a large library of photographs; Dir. Dr. Edwin Clarke, M.D., F.R.C.P.; Curator C. A. Sizer, F.G.S., F.M.A.; Library: *see* under Special Libraries.

National Army Museum: Royal Hospital Rd., SW3 4HT; f. 1960; displays depicting the history of the British Army since 1485, the Indian Army until Independence in 1947, and colonial forces; reference collections of books, MSS., prints and early photographs; uniforms including decorations and badges; weapons; painting, silver, china, models; personal relics; Dir. W. Reid, F.S.A., F.M.A.

National Gallery: Trafalgar Square, W.C.2; f. 1824; contains examples of all the principal European schools up to 1900; a selection of British painters from Hogarth to Turner; public lectures on most weekdays; Chair. Prof. John Hale; Dir. Michael Levey; Keeper Allan Braham; Scientific Adviser R. H. G. Thomson; Chief Restorer Martin Wyld.

National Maritime Museum: Greenwich, S.E.10; established 1934, opened 1937; illustrates British maritime history as exemplified by the work of the Royal Navy, Merchant Shipping, Fishing industry, explorers and yachtsmen; the collection includes portraits and sea pieces, models, prints and drawings, instruments, maps and charts, seals, uniforms, weapons, medals and relics, ships' draughts, a library of books and MSS.; New Neptune Hall contains the paddle tug *Reliant*, small boats, boat-building shed, figureheads, new displays of ship models; Barge House includes State barges from the 17th century; the Museum includes the Old Royal Observatory where the displays illustrate the work, largely concerned with time and navigation, which was done here, and a planetarium; Dir. Basil Greenhill; Sec. Capt. T. Martin; Head of Printed Books and MSS. D. V. Proctor.

National Portrait Gallery: St. Martin's Place, WC2H 0HE; f. 1857; collection contains over 9,000 portraits of eminent British men and women of the last 400 years; activities include lectures, exhibitions; Gallery Annexe at 15 Carlton House Terrace, S.W.1; Dir. Dr. J. T. Hayes, M.A. PH.D., F.S.A.; Chair. of Trustees Lord Kenyon, C.B.E., F.S.A.

National Postal Museum: King Edward Bldg., King Edward St., E.C.1; f. 1966, reopened in new premises 1969; collection of stamps, essays, drawings and official documents dating back to Rowland Hill's proposals for Uniform Penny Postage in 1837–39; also the Post Office collection of stamps of the world and of British 20th-century stamps, and the philatelic archives (1855–1965) of Thomas De La Rue and Co., security printers; Curator A. G. Rigo de' Righi, F.R.P.S.L.

National Railway Museum: Leeman Road, York, YO2 4XJ; f. 1975; part of the Science Museum (*q.v.*); houses a large part of the National Collection of Railway Relics; full-size locomotives, carriages, and rolling stock, models, signalling equipment, railway relics, posters, prints, photographs and paintings; reference library of 8,000 vols.; Keeper Dr. J. A. Coiley, M.A., PH.D.

Public Record Office: *see* under National Archives.

Royal Air Force Museum: Hendon, NW9 5LL; f. 1963, opened 1972; attached to the Ministry of Defence; exhibits material recording the history of the Royal Flying Corps, the Royal Naval Air Service, the Royal Air Force, and aviation generally; activities cover many aspects of aviation, including military, civil, artistic, scientific, industrial and political; archives and library of 100,000 vols.; Dir. Dr. J. I. Tanner, M.A., PH.D., F.L.A., F.M.A., F.R.Ae.S., F.R.HIST.S., F.S.A.

Royal College of Music Museum of Instruments: Prince Consort Rd., South Kensington, S.W.7; f. 1883; includes Donaldson, Tagore, Hipkins and Ridley collections; Curator Mrs. Elizabeth Wells.

Royal College of Surgeons Museum: Lincoln's Inn Fields, WC2A 3PN; formed upon the Hunterian Collection purchased by Parliament in 1799; opened in 1813 when there were about 13,682 specimens; many additions both to buildings and collections have been made since the first opening; part of the buildings and many valuable items were destroyed in 1941; since the war 4 new museums have been built and many specimens replaced; Conservator of the Anatomical Museum R. M. H. McMinn, PH.D., M.D.; Curator of the Hunterian Museum and Anatomical Museum Elizabeth Allen; Conservator of the Pathological Museum J. L. Turk, D.SC., M.D., M.R.C.PATH; Curator of the Pathological Museum M. S. Israel, M.R.C.P., M.R.C.PATH.; Hon. Curator of the Odontological Museum A. E. W. Miles, L.R.C.P., M.R.C.S., F.D.S.R.C.S., F.F.D.R.C.S.I.

Science Museum: South Kensington, SW7 2DD; f. 1857; the National Museum of Science and Industry; Dir. Dr. Margaret Weston, B.SC., C.ENG., M.I.E.E.; Keeper Physics Dept. V. K. Chew, T.D., M.A.; Keeper Chemistry Dept. F. Greenaway, PH.D., M.SC.; Keeper Electrical Engineering and Communications and Circulation Dept. W. Winton, B.SC.; Keeper Transport Dept. G. W. B. Lacey, B.SC., A.R.AE.S.; Keeper Mechanical and Civil Engineering Dept. J. T. van Riemsdijk, B.A.; Keeper Earth and Space Sciences Dept. J. Wartnaby, M.SC., PH.D.; Dept. of Museum Services Keeper D. A. Robinson, M.A., D.PHIL.; Museum Supt. V. C. Clark; Science Library: *see* Libraries (London).

Sir John Soane's House and Museum: 13 Lincoln's Inn Fields, W.C.2; built in 1812 by Sir John Soane, R.A., Architect of Bank of England; est. by Act of Parliament, 1833, for the promotion of the study of architecture and allied arts; Curator Sir John Summerson, C.B.E., F.B.A., A.R.I.B.A.; library: *see* Special Libraries.

South London Art Gallery (Borough of Southwark): Peckham Rd., SE5 8UH; f. 1891; frequent exhibitions of paintings in oils and water colours, prints, etchings and sculptures; the permanent collection is exhibited from time to time; Curator K. A. Doughty, F.L.A.

Tate Gallery (*National Collections of British Painting, Modern Foreign Painting and Modern Sculpture*): Millbank, S.W.1; f. 1897 by Sir Henry Tate; comprises the National Collections of British Painting from the 16th century to the present day, including works by Blake, Constable, Turner and the Pre-Raphaelites; Modern Foreign Paintings from the French Impressionists and Modern Sculpture, British and Foreign, including a Henry Moore collection; total works: over 5,500 plus *c.* 4,000 prints; Dir. Sir Norman Reid, D.A. (Edin.), F.M.A., F.I.I.C.

Tower of London Armouries: E.C.3; the national collection of arms and armour, illustrating their development from the Middle Ages to 1914 and including the armour of the Tudor and Stuart sovereigns and other historic relics, and with an Oriental Section; reference library; Master of the Armouries A. V. B. Norman, B.A., F.S.A. (Scot.).

Victoria and Albert Museum: S. Kensington, SW7 2RL; f. 1852, under the Department of Education and Science; a museum of Fine and Applied Arts of all countries, periods and styles; Dir. Dr. Roy Strong, Ph.D., F.S.A.; Keepers of Museum Depts.: Architecture and Sculpture, J. G. Beckwith, M.A., F.B.A., F.S.A.; Ceramics, J. V. G. Mallet; Prints, Drawings and Paintings, C. Kauffman; Metalwork, C. Blair; Textiles, D. King; Furniture, P. K. Thornton; Oriental Department, J. C. Irwin; Far Eastern Section, J. G. Ayers; Museum Services, John Physick; Library, R. W. Lightdown; Education Service, Mrs. M. Mainstone.

Apsley House (*The Wellington Museum*): 149 Piccadilly, W.1; opened to the public 1952; contains paintings, silver, porcelain, orders and decorations, and personal relics of the first Duke of Wellington; Officer-in-Charge H. V. Percival.

Bethnal Green Museum of Childhood: Cambridge Heath Rd., E.2; f. 1872; British painting and art objects, ceramics, costumes, textiles, furniture and toys; Officer-in-Charge Miss E. M. Aslin.

Ham House: near Richmond, Surrey; country house built in 1610 and enlarged by Elizabeth, Duchess of Lauderdale; contains much of the original furniture and interior ornament.

Osterley Park House: Osterley, Middx.; 16th-century house remodelled by Robert Adam.

Wallace Collection: Hertford House, Manchester Square, W1M 6BN; f. 1900; outstanding collections of pictures, miniatures, sculpture, French furniture, ceramics, Sèvres porcelain, bronzes, arms and armour and *objets d'art*, bequeathed to the nation in 1897 by Lady Wallace; Dir. J. Ingamells.

Wellcome Museum of Medical Science: The Wellcome Bldg., 183 Euston Rd., NW1 2BP; illustrated accounts of diseases prevalent in tropical and sub-tropical areas; pathological, entomological and other specimens, photomicrographs and abstracts of recent medical literature; primarily for medical graduates and undergraduates tutorial facilities; Dir. Dr. A. J. Duggan, M.D., F.R.C.P., F.M.A.

Whitechapel Art Gallery: Whitechapel High St., E1 7QX; f. 1901; temporary exhibitions, principally of modern or contemporary art; no permanent collection; supported by the Arts Council, Greater London Council, local authorities and charitable bodies; Chair. of Trustees Pat Matthews; Dir. Nicholas Serota.

Provinces

The following is a selection from the many provincial museums of England. Arrangement is alphabetically by towns:

Bowes Museum, The: Barnard Castle, Co. Durham; collections formed 1840–75 by John and Josephine Bowes mainly of all forms of Continental Fine and Decorative Arts; f. at Barnard Castle 1869, since when there have been additions of British Decorative Arts, including series of English rooms from 16th to 19th centuries, paintings, ceramics, music, costumes and local history and archaeology; originally a private trust, now administered by Durham County Council; Curator M. H. Kirkby, M.A., F.M.A.; Keeper of Art B. Crossling, Ph.L.

Holburne of Menstrie Museum: University of Bath, Great Pulteney St., Bath, Avon; f. 1882; pictures, miniatures, silver, ceramics, glass, furniture, etc., in an 18th-century building; Crafts Study Centre; Curator Mrs. Philippa Bishop.

The American Museum in Britain: Claverton Manor, nr. Bath; f. 1959, opened 1961; first American museum in Europe; aims at illustrating the development of American decorative arts from 17th to 19th centuries; library; Dir. Ian McCallum, A.R.I.B.A.

Birmingham City Museums and Art Gallery: Chamberlain Sq., Birmingham, B3 3DH; f. 1867; Departments of Art (foreign schools from Renaissance, English from 17th century, early English water-colours and Pre-Raphaelite paintings and drawings, sculpture, silver, ceramic and textile collections); Archaeology, Ethnography and Birmingham History (collections from Ancient Egypt, Ur, Nineveh, Jericho, Nimrud, Vinca, Jerusalem, Petra and Vounos (Cyprus) in the Old World, Mexico and Peru in the New, Pre-historic, Roman, and British Medieval antiquities); Pacific ethnography collection; British coin collection; Natural History; comprehensive collections of minerals, gemstones and molluscs, British birds, lepidoptera and coleoptera; Midland flora; Dir. Dennis Farr, M.A., F.R.S.A., F.M.A.

Branch Museums: Department of Science and Industry; f. 1950; early industrial machinery and illustrations of scientific principles, locomotive hall; Aston Hall (Jacobean house furnished with textile and furniture collections); Blakesley Hall, Tudor house with collections of local history; Weoley Castle archaeological site; Sarehole Mill (18th century watermill once used for corn milling and blade grinding, restored 1969–74); Cannon Hill Nature Centre.

Rhodes Memorial Museum and Commonwealth Centre: South Rd., Bishop's Stortford, Herts.; f. 1938; Cecil Rhodes' birthplace preserved, with 15 rooms of exhibits relating to his life and times and South Africa; Man./Sec. Robert B. Crooks.

Blackburn Museum and Art Gallery: Library St., Blackburn, Lancs., BB1 7AJ; f. 1860; coins and medieval MSS., Japanese prints, ethnography, natural history and the museum of East Lancashire Regiment; also the Lewis Museum of Textile Machinery and the Turton Tower folk museum; Dir. Paul Sykes.

Royal Pavilion, Art Gallery and Museums, Brighton: Dir. John Morley, M.A., F.M.A.

Brighton Art Gallery and Museum: Church St., Brighton, Sussex; collection of early and modern paintings, water-colours, prints and drawings; English pottery and porcelain; 18th-century French and English furniture; decorative art and furniture of Art Nouveau and Art Deco periods; ethnography and archaeology; musical instruments; Brighton history.

Royal Pavilion: Brighton; once the marine palace of King George IV and other monarchs (1787–1846); interior decorations restored and original furniture.

Booth Museum of Natural History: Dyke Road, Brighton; display of birds; reference collections of eggs, insects, minerals, palaeontology, osteology, skins and herbaria; gallery of vertebrate evolution.

Preston Manor: Preston Park; furnished Georgian house.

Grange Art Gallery and Museum: Rottingdean; toys, Sussex folk-life, Rudyard Kiplingiana.

City of Bristol Museum and Art Gallery: Queen's Rd., Bristol, BS8 1RL; also Red Lodge, Park Row (16th century), Georgian House (18th century), Chatterton House Museum, Blaise Castle House Museum, St. Nicholas Church Museum, Bristol Industrial Museum (Princes Wharf); Kingsweston Roman Villa and Sea Mills Roman Site, Fairbairne Steam Crane (City Docks), Ashton Mill, Chapel Allerton (Somerset); Dir. of City Museum NICHOLAS THOMAS, M.A., F.M.A., F.S.A.; Dir. of City Art Gallery A. WILSON, M.A., F.M.A.; publs. guides, catalogues, *Quarterly Bulletin*, etc.

Towneley Hall Art Gallery and Museums: Towneley Hall, Burnley, Lancs.; f. 1902; 17th- to 20th-century oils; early English water colours; collections of period furniture, ivories, 18th-century glassware and oriental ceramics; archaeological and geological specimens and natural history rooms; General Scarlett Room and East Lancashire Regt. Room; Hall built from *c.* 1350; Curator HUBERT R. RIGG, F.R.S.A., F.S.A., F.S.A.(SCOT.).

Museum of Local Crafts and Industries: Adjacent to Towneley Hall; f. 1971.

Fitzwilliam Museum: Trumpington St., Cambridge, CB2 1RB; f. 1816; art collections of the University; paintings, drawings, prints, sculpture; coins and medals; ceramics, glass, textiles, arms and armour and other applied arts; Greek, Roman, western Asiatic and Egyptian antiquities; library of 80,000 vols. and medieval, literary and music MSS., autograph letters; early printed books, printed music, books on history of art; Dir. A. M. JAFFÉ, M.A.; publ. *Annual Report*†.

Museum of Archaeology and Anthropology: Downing St., Cambridge, CB2 3DZ; f. 1883; Curator P. W. GATHERCOLE, M.A.

Museum of Zoology: Downing St., Cambridge; f. 1865; Dir. K. A. JOYSEY, M.A., PH.D.

Jane Austen's House: Main St., Chawton, Alton, Hampshire; f. 1949; portraits, documents, furniture and objects relating to Jane Austen and her family; Dir. F. E. CARPENTER.

The Weald and Downland Open Air Museum: Singleton, Chichester, Sussex; f. 1971 to save interesting examples of vernacular architecture in the area which have been threatened with demolition; so far 12 buildings ranging from early medieval times to 19th century have been re-erected on the site, which should eventually house 50 buildings; Pres. The Lord EGREMONT; Museum Dir. CHRISTOPHER S. H. ZEUNER; Research Dir. J. R. ARMSTRONG, M.B.E.; Hon. Sec. N. L. WEST, F.C.A.; publs. Guide Books and educational material for schools†.

Corinium Museum: Park St., Cirencester, Glos.; one of the country's leading collections of Roman material; mosaic pavements, sculpture, military and civil tombstones, household domestic utensils, personal ornaments, and Samian and coarse pottery, all giving ample evidence of the importance and wealth of Corinium, which was the second largest town in Roman Britain; regional museum for the Cotswolds; Curator D. J. VINER, B.A., A.M.A.

Colchester and Essex Museum: The Castle, Colchester, Essex, CO1 1TJ; f. 1860 from the collections of Essex Archaeological Society; local antiquities and natural history; maintained by the Borough Council. The large collections are from Colchester and Essex, and the Roman section is particularly extensive. Three branch museums (Natural History, Later Antiquities, Social History). Curator D. T.-D. CLARKE, M.A., F.S.A., F.M.A.; publs. *Annual Report*, *Local Archaeological Monographs*.

Wiltshire Archaeological and Natural History Society Museum: Long St., Devizes, Wilts.; Curator F. K. ANNABLE, B.A., F.S.A., F.M.A.

Doncaster Museum and Art Gallery: Chequer Rd., Doncaster, Yorks.; f. 1909; regional natural history, geology, archaeology and local history collections; permanent art collection, paintings, ceramics and glass; frequent temporary exhibitions; Curator T. G. MANBY, M.A., A.M.A.; publs. *Museum and Art Gallery Publications* 8vo and 4to series (irregular), *Catalogues*.

Dorset County Museum and Natural History and Archaeological Society: Dorchester; Museum f. 1846, Society f. 1875, merged in 1928; aims to encourage an active interest in natural history, archaeology, the fine arts, geology, literature, and the local history of Dorset; lectures, conferences and seminars are held in the Museum in winter and spring; Pres. N. H. FIELD, B.SC.; publ. *The Proceedings of the Dorset Natural History and Archaeological Society* (annually).

Gulbenkian Museum of Oriental Art and Archaeology: University of Durham, Elvet Hill, Durham; Chinese pottery, porcelain, jade, hardstones; Chinese, Japanese and Tibetian paintings, sculptures, bronzes, robes, swords, screens, etc.; Indian sculpture, MSS., and paintings; Duke of Northumberland's collection of ancient Egyptian art and tomb furnishings; Curator P. S. RAWSON, M.A.; Deputy Curator I. L. LEGEZA.

Gloucester Museums: Gloucester; Curator J. F. RHODES. The museums are as follows:

City Museum and Art Gallery: Brunswick Rd.; f. 1859; natural science, archaeology (before A.D. 1500), and applied art; temporary art exhibitions.

Bishop Hooper's Lodging: 99–103 Westgate St.; history of the city from A.D. 1500; bygone crafts and industries of Gloucestershire.

Grantham Museum: St. Peter's Hill, Grantham; f. 1922; exhibits material relating to the archaeology and history of Grantham and district; special collection relating to Sir Isaac Newton; Dir. A. J. H. GUNSTONE, F.S.A.

Dove Cottage and Wordsworth Museum (The Dove Cottage Trust): Dove Cottage, Town End, Grasmere, Ambleside, Cumbria; f. 1890; Wordsworth's Cottage containing original furniture and collection of personal effects, and a museum containing MSS. and first editions, objects relating to the poet and to rural life of the period; Enquiries: Mrs. O. A. WEST.

Thurrock Borough Museum: Orsett Rd., Grays, Essex, RM17 5DX; f. 1956; archaeology and history of Thurrock with accent on the growth of technology in a Thamesside landscape; Curator RANDAL BINGLEY.

Thurrock Riverside Museum: Civic Sq., Tilbury, Essex; f. 1977; archaeology and history of the River Thames between Purfleet and Fobbing; Curator RANDAL BINGLEY.

Disraeli Museum: Hughenden Manor, High Wycombe, Bucks.; contains Disraeli's books, furniture, paintings, personal effects, and archives of the statesman's correspondence and original MSS.; property of the National Trust (*q.v.*).

Tolson Memorial Museum: Ravensknowle, Huddersfield, Yorks.; opened 1922; illustrates natural and human history of the district; geology, botany, zoology, prehistory, folk-life, toys, development of woollen industry, collection of horse-drawn vehicles; library of 3,000 vols.; meteorological station in the Park; Dir. S. T. DIBNAH, F.L.A., A.M.B.I.M.

Ironbridge Gorge Museum: Ironbridge, Telford, Salop, TF8 7AW; f. 1968; preserves and displays the industrial and social remains of the East Shropshire Coalfield; 6-mile site comprising: Coalbrookdale Museum and Abraham Darby Furnace Site, Ironbridge with the Severn Wharf and Warehouse, the Iron Bridge (built

1779), Blists Hill Open Air Museum, Coalport China Works Museum; reference library of *c.* 20,000 vols.; Museum of the Year Award 1977; Dir. NEIL COSSONS, M.A., F.S.A., F.M.A.

Abbot Hall Art Gallery and Museum of Lakeland Life and Industry: Kendal, Cumbria, LA9 5AL; f. 1962 (gallery), 1971 (museum); gallery provides schedule of changing exhibitions of local and international interest; houses permanent collections of primarily 18th-century furniture and objets d'art, modern paintings, sculpture and drawings; museum shows growing collection of trades and crafts of the area; talks and tours provided; library of 300 vols.; Dir. Miss M. E. BURKETT, O.B.E., B.A.; Curator of Museum J. W. ANSTEE.

Leeds City Museums: Municipal Bldgs., Leeds, Yorks., LS1 3AA; f. 1820 for the preservation and display of objects of ethnographical, biological, geological, and archaeological importance, and for the furtherance of adult and child education by visual means. The City Museum houses natural history, ethnology and archaeology; the Abbey House Museum illustrates the folk life of the people of Yorkshire over the last two hundred years whilst the ruins of the adjacent Kirkstall Abbey are among the finest examples of early Cistercian architecture in the country. The Science and Industry Museum is housed in the recently acquired Armley Mill; Dir. C. M. MITCHELL, F.S.A., F.M.A.; publs. Guides and Catalogues.

Temple Newsam House: Leeds 15; opened to the public 1923; Tudor-Stuart house, birthplace of Lord Darnley; contains extensive collections of paintings and the decorative arts; Dir. ROBERT ROWE, C.B.E., M.A., F.M.A.; publs. *Leeds Arts Calendar* (twice yearly), *Guides* and *Catalogues*.

Leeds City Art Gallery: Municipal Bldgs., Leeds, LS1 3AA; f. 1888; English, French and Italian paintings of the 17th, 18th and 19th centuries; early English water-colours, including Kitson and Lupton collections; modern paintings and sculpture; Print Room and Art Library; Dir. and publs. as above.

Lotherton Hall: Aberford, near Leeds; opened to the public 1969; 19th- and 20th-century country house; Gascoigne Collection of 17th–19th-century furniture, silver, ceramics, costume and paintings; Dir. and publs. as above.

Leicestershire Museums, Art Galleries and Records Service: New Walk, Leicester; f. 1849; sections of antiquities, biology, earth sciences, fine and decorative arts, technology, education and interpretation; Leicestershire Record Office repository for official and private archives; branch museums; Jewry Wall Museum of Archaeology, Melton Carnegie Museum, Newarke Houses, Belgrave Hall, Guildhall, Wygston's House, Museum of Technology, Museum of the Royal Leicestershire Regt., Rutland County Museum, Oakham Castle, The Old Manor House at Donington-le-Heath; library of 15,000 vols.; Dir. P. J. BOYLAN, B.SC., F.G.S., F.M.A., A.M.B.I.M.

Lincoln City and County Museum: Broadgate, Lincoln; f. 1906; exhibits natural history, archaeological and historical collections relating to Lincolnshire; large collection of Roman antiquities from Lincoln; fine collection of armour and arms; Dir. A. J. H. GUNSTONE, B.A., F.S.A., F.M.A.; Keeper A. J. WHITE, M.A., A.M.A.

Museum of Lincolnshire Life: Burton Rd., Lincoln; f. 1969; displays illustrating the social, agricultural and industrial history of Lincolnshire over the last three centuries; Keeper Mrs. C. M. WILSON, A.M.A.

Church Farm Museum: Church Rd. South, Skegness, Lincs.; f. 1976; a complex of 18th- and 19th-century farmhouse and agricultural buildings with displays of agricultural equipment typical of the area; farmhouse furnished to period *c.* 1900; Keeper Mrs. C. M. WILSON, A.M.A.

Usher Art Gallery: Lindum Rd., Lincoln; f. 1927; exhibits the Usher collection of watches, miniatures, porcelain, *objets d'art*, etc.; special collection of works by Peter De Wint and a general collection of paintings, sculpture and decorative art objects; extensive collection of coins and tokens from Lincolnshire; Keeper R. H. WOOD, DIP.A.D.

Merseyside County Museum: William Brown St., Liverpool, L3 8EN; f. 1851, rebuilt 1964–69; outstanding collections include the Mayer-Fejérvàry Gothic ivories, the Bryan Faussett group of Anglo-Saxon antiquities, the Lord Derby and Tristram ornithological collections; gallery displays include material relating to Local History and Natural History, Shipping, Egyptology, Ethnology, Decorative Art, Transport and the King's Regiment; there is an Aquarium and Planetarium; education programme, information services, environmental conservation work and a branch museum at Speke Hall; Dir. RICHARD FOSTER; publs. various, including *Annual Report*†, *Bulletin*† (occasional), guides, catalogues, etc.

Walker Art Gallery: William Brown St., Liverpool, L3 8EL; f. 1873; English paintings, Impressionist and Old Master paintings, particularly Italian and Netherlandish Primitives, English and European drawings, watercolours and sculpture; Dir. TIMOTHY STEVENS, M.A.; publ. *Annual Report and Bulletin*†.

Manchester City Art Galleries: City Art Gallery, Mosley St., Manchester, M2 3JL; f. 1823; British painting, silver and pottery; other galleries: Athenaeum Museum of Ceramics, Queens' Park Art Gallery, Platt Hall (clothes since the 17th century), Wythenshawe Hall, Heaton Hall and Fletcher Moss Museum and Art Gallery.

Manchester Museum: The University, Manchester, M13 9PL; f. 1821; archaeology, ethnology, geology, botany, zoology, entomology; Dir. ALAN WARHURST, B.A., F.S.A., F.M.A.

North Western Museum of Science and Industry: 97 Grosvenor St., Manchester, M1 7HF; f. 1969; collections on the history of science and technology, scientific equipment, machinery including early textile mill machines, photographs and drawings; Dir. R. L. HILLS, M.A., PH.D., D.I.C.

Hancock Museum: Barras Bridge, Newcastle upon Tyne, NE2 4PT; f. 1829, present building 1884; general zoology, ornithology, geology, botany and ethnology; headquarters of Northumberland Wildlife Trust Ltd. and the Natural History Society of Northumbria; museum administered jointly by the Natural History Society of Northumbria and the University of Newcastle upon Tyne; Curator A. M. TYNAN, B.SC., F.M.A.

Newcastle upon Tyne City Museums: Dir. B. COLLINGWOOD STEVENSON, M.A., F.M.A., F.R.S.A.

Laing Art Gallery and Museum: Higham Place, NE1 8AG; f. 1904; Art Gallery contains watercolours of British School from 17th century onwards, British oil paintings (18th–20th centuries), sculpture, engravings, etchings, Japanese colour prints; Museum contains Egyptian, Greek and Roman antiquities, decorative and industrial art, Oriental arms and armour; annexe at Higham Place Gallery.

Branches: Plummer Tower, Croft St., NE1 6NQ (18th-century period rooms in 13th-century tower); John G. Joicey Museum, City Rd., NE1 2AS (furniture, local exhibits, European arms and armour in 17th-century almshouse); Museum of

Science and Engineering, Exhibition Rd., Great North Rd., NE2 4PZ.

Museum of Antiquities of the University and the Society of Antiquaries of Newcastle upon Tyne: Department of Archaeology, The University, Newcastle upon Tyne; f. 1960; prehistoric, Roman and Anglo-Saxon collections, scale models of Hadrian's Wall, reproductions of Roman arms and armour, and reconstruction of a Temple of Mithras; library of 5,000 items relating to Hadrian's Wall, British, Continental and Mediterranean archaeology; Keeper D. J. SMITH, PH.D., F.S.A.

Norfolk Museums Service: Norwich, Norfolk, NR1 3JU; incorporates the following museums: in Norwich, *Castle Museum* (local social and cultural history, natural history, porcelain, art, crafts, archaeology), *Bridewell Museum* (local industries and crafts in medieval house), *Strangers' Hall Museum* (15th-century domestic articles and furnishings), *St. Peter Hungate* (ecclesiastical art, medieval illuminated books, church plate, etc.); in Great Yarmouth, *Maritime Museum for East Anglia, Tolhouse Museum, Exhibition Galleries, Elizabethan House Museum* (domestic life, toys, porcelain, glassware); in King's Lynn, *Lynn Museum* (history, natural history and geology of West Norfolk), *Museum of Social History*; in Thetford, *Ancient House Museum*; in Walsingham, *Shirehall Museum* (18-century court room and display on pilgrim history); in Gressenhall, *Norfolk Rural Life Museum*; in Cromer, *Cromer Museum* (history, geology and natural history); Dir. F. W. CHEETHAM, B.A., F.M.A.

Nottingham City Museum and Art Gallery: The Castle, Nottingham, NG1 6EL; f. 1878; archaeology and ethnography; fine and applied arts; reference library of 2,500 vols.; Dir. B. LOUGHBROUGH, M.A., A.M.A.

Nottingham Natural History Museum: Wollaton Hall, Nottingham; f. 1867; collections of botanical, zoological, and geological material; extensive British and foreign herbaria, Crowfoot collection of exotic butterflies, Pearson collection of European butterflies, Fowler collection of British Coleoptera, Hollier collection of Wenlock Limestone fossils, Carrington series of Mountain Limestone fossils; reference library of approx. 5,000 vols.; controlled by Nottingham City Council; Curator B. R. P. PLAYLE, M.SC., A.M.A.

Ashmolean Museum: Oxford; f. 1683; contains the art and archaeological collections of the University of Oxford; British, European, Mediterranean, Egyptian and Near Eastern archaeology; Italian, Dutch, Flemish, French and English oil paintings; Old Master and modern drawings, water-colours and prints; miniatures; European ceramics; sculpture and bronzes; English silver; objects of applied art; Hope collection of engraved portraits; coins and medals of all countries and periods; Chinese and Japanese porcelain, paintings and lacquer; Chinese bronzes, Tibetan art; Indian sculpture and painting; Islamic pottery and metalwork; Dir. D. T. PIPER, C.B.E., M.A.

Museum of Modern Art Oxford: 30 Pembroke St., Oxford, OX1 1BP; f. 1966; 20th-century painting, sculpture, photography, prints, drawings, film, and occasionally aspects of design and architecture; lectures, seminars, etc.; reference library; Dir. DAVID ELLIOTT.

Plymouth Museum and Art Gallery: Drake Circus, Plymouth, Devon; f. 1897 to illustrate the arts and sciences of the West Country; comprises the Cottonian Collection of early printed and illuminated books, drawings and MSS.; the Clarendon Collection of portraits of English worthies; silver; William Cookworthy's Plymouth and Bristol porcelain; natural history, archaeology and local history; portraits by Sir Joshua Reynolds and a fine collection of old master drawings; the Museum administers Buckland Abbey, former home of Sir Francis Drake (vested in National Trust since 1948), now a Drake Maritime and West Country Folk Museum (f. 1951), the Elizabethan House, 32 New St., and the Merchants' House, 33 St. Andrew's St. (16–17th-century); Dir. J. BARBER, M.A., F.S.A., A.M.A.

Lady Lever Art Gallery, The: Port Sunlight, Wirral, Merseyside; gift made to the public in 1922 by William Hesketh, First Viscount Leverhulme in memory of his wife, Elizabeth Ellen, Lady Lever; collection includes paintings and drawings of the British School (from the late 17th century), sculpture, 18th-century English furniture, Chinese ceramics, Wedgwood ware, textiles and engravings; Curator JOHN MCDONALD, M.A.; Asst. Curator and Guide Lecturer JOHN MCDONALD, M.A.; publ. *Illustrated Booklet.*

Harris Museum and Art Gallery: Market Square, Preston, Lancs., PR1 2PP; f. 1882; specialist collections in the fields of fine art, decorative art, archaeology, natural history, including works by the Devis family, the Newsham Bequest of 19th-century paintings and sculpture, and the Cedric Houghton Bequest of ceramics; Dir. GILLIAN R. TRESIDDER, A.R.C.A.

Reading Museum and Art Gallery: Reading, Berks.; f. 1883 to collect, preserve and exhibit objects of art, archaeology and science, especially of the district; special collections: Silchester collection of Romano-British remains; Dir. C. A. SIZER, B.SC., F.G.S., F.M.A.

Museum of English Rural Life: Institute of Agricultural History, The University, Whiteknights Park, Reading, Berks.; Dir. E. J. T. COLLINS, PH.D.

Pilkington Glass Museum: Prescot Rd., St. Helens, Merseyside, WA10 3TT; f. 1964; illustrates the evolution of glassmaking techniques, and how the product has been used since Phoenician times; private museum, forming an integral part of the head office complex of Pilkington Bros. Ltd. (f. 1826 as St. Helens Crown Glass Co.); reference library of 1,000 vols.; Man. I. M. BURGOYNE.

Salisbury and South Wiltshire Museum: 42 St. Ann St., Salisbury, Wilts.; f. 1860; Curator P. R. SAUNDERS, B.A., A.M.A.; publ. *Annual Report.*

Sheffield City Museum: Weston Park, Sheffield, Yorks., S10 2TP; f. 1875; collections of Sheffield silver, Old Sheffield Plate, British and European cutlery, coins and medals, ceramics, local archaeology, natural history, etc.; library of 5,000 vols.; Dir. JOHN E. BARTLETT, M.A., F.S.A., F.M.A.; publs. occasional publications on collections and on Sheffield region.

Abbeydale Industrial Hamlet: Abbeydale Rd. South; an 18th-century scytheworks with Huntsman type crucible steel furnace, tilt-hammers, grinding-shop and hand forges; Dir. as City Museum.

Bishop's House: Meersbrook Park; a late 15th-century timber-framed domestic building with 16th- and 17th-century additions; Dir. as City Museum.

Shepherd Wheel: Whiteley Wood; a Sheffield 'Little Masters' water-powered grinding shop; Dir. as City Museum.

Graves Art Gallery: Surrey St., Sheffield; f. 1936; English, Italian Renaissance and Netherlands paintings; Dir. H. FRANK CONSTANTINE, F.M.A.

Southampton Art Gallery: Dept. of Leisure Services, Civic Centre, Southampton, Hants.; f. 1916 by a Bequest Fund for purchase and display of works of art; new building opened 1939; collections include Continental Old Masters, French 19th- and 20th-century School, British painting from the 18th century to present day, with emphasis on the Camden Town School; library of 1,000 vols.; activities include a temporary exhibition programme, an information centre and Artshop and the establishment of a community education service; Asst. Dir. of Leisure Services A. J. HOWARTH.

Atkinson Art Gallery: Lord St., Southport, Merseyside; f. 1878 for the exhibition of the town's permanent collection; collections of Victorian oils, English 20th-century academic painting, late 18th-, 19th- and 20th-century watercolours, modern and contemporary prints; Keeper of Fine Art A. W. MOORE, M.A.

Stoke-on-Trent City Museums and Art Gallery: Broad St., Hanley, Stoke-on-Trent, Staffs.; important collection of local pottery and porcelain, continental and oriental pottery, 18th century English water colours and paintings since 1900, sculpture, natural history; also administers Ford Green Hall which is associated with Samuel Johnson, Isaac Walton and the early Quakers, the Arnold Bennett Museum containing personal relics of the author, and the Spitfire Museum. The City Museum is temporarily closed but the branch museums continue to function.

Wakefield City Art Gallery: Wentworth Terrace, Wakefield, W. Yorks; Museums and Art Galleries Officer Mrs. GILLIAN SPENCER, M.A.

City Museum: Wood St., Wakefield; Museums and Art Galleries Officer Mrs. GILLIAN SPENCER, M.A.

Wolverhampton Art Gallery and Museum: Lichfield St., Wolverhampton, W. Midlands; f. 1885; works by 18th-, 19th- and 20th-century English painters, English Water-colours and Oriental works of art; Bantock House, Bantock Park, contains fine examples of English enamels, Japanning and English porcelain; Branch Museum at Bilston contains local history exhibits and English enamels; Curator DAVID RODGERS, M.A.

Castle Museum, York: f. 1938; England's first major folk museum; Kirk collection illustrates English life in the 17th–19th centuries; contains the "York Story" at the Heritage Centre, Castlegate, f. 1975 to interpret the social and architectural history of the City of York; the adjacent Debtor's Prison (opened 1952) contains early crafts and costumes, militaria and armour collections; Curator P. C. D. BREARS, D.A.D., A.M.A.

City of York Art Gallery: Exhibition Square, York; f. 1879; permanent collection consists of paintings of the Italian, Dutch, Flemish, German, French, Spanish and English Schools and includes the Lycett Green Collection (presented through the N.A.C.F. 1955); there is a collection of works by William Etty, R.A. and other York artists; a gallery of 19th/20th-century art, a collection of modern stoneware pottery and an extensive collection of prints and drawings, largely devoted to the topography of York; library of 5,000 vols.; Curator RICHARD GREEN, M.A.; publ. *Preview*† (3 a year).

Yorkshire Museum: Museum Gardens, York, YO1 2DR; f. 1822; important and extensive collections of British archaeology, especially from Roman York, geology, biology and Yorkshire ceramics; Curator T. M. CLEGG, F.M.A., M.B.O.U.

WALES

Borough of Newport Museum and Art Gallery: John Frost Square, Newport, Gwent; f. 1888; special collections of Roman material from Caerleon and Caerwent; oils, early English water-colours and prints; natural and local history collections; Curator CEFNI BARNETT, F.S.A., F.M.A.

Museum of Welsh Antiquities, University College of North Wales: Ffordd Gwynedd, Bangor, Gwynedd; f. 1894; collects and exhibits antiquities relating to North Wales; Roman, Dark Age relics, furniture, crafts, costumes, prints and maps; art gallery; Curator JOHN ELLIS JONES.

National Museum of Wales (*Amgueddfa Genedlaethol Cymru*): Cathays Park, Cardiff, CF1 3NP; f. 1907; a museum of the natural sciences, archaeology, industry and art with special reference to Wales; brs.: Welsh Folk Museum at St. Fagans, the Turner House art gallery at Penarth, the Legionary Museum at Caerleon; Graham Sutherland Gallery, Picton Castle, Haverfordwest, Dyfed, Museum of the Woollen Industry, Drefach Felindre, Dyfed, North Wales Quarrying Museum, Llanberis, Gwynedd, Welsh Industrial and Maritime Museum, Cardiff; Pres. Col. Sir WILLIAM CRAWSHAY, D.S.O., E.R.D., T.D., D.L., LL.D.; Dir. D. A. BASSETT, PH.D.; Sec. D. W. DYKES, M.A.; publ. *Annual Report*†.

SCOTLAND

Aberdeen Art Gallery and Museums: Art Gallery and Museums Department, Schoolhill, Aberdeen, AB9 1FQ; library of 3,000 vols. and 6,000 catalogues; Dir. IAN MCKENZIE SMITH; contains:

Aberdeen Art Gallery: Schoolhill, Aberdeen; f. 1885; fine and decorative arts; major collection of 20th-century British art; James McBey print room and reference library; educational services.

James Dun's House: 61 Schoolhill, Aberdeen; f. 1975; children's museum.

Provost Skene's House: Guestrow, Aberdeen; f. 1953; 17th-century historic house; period rooms; local history.

Burns Museum: Alloway, Ayrshire; MSS. and correspondence of the poet Robert Burns; Curator WILLIAM BOLTON.

Dumfries Museum: Corberry Hill, Dumfries; building erected as a windmill *c.* 1730; f. 1835 as an observatory; exhibits Roman relics, Stone and Bronze Age artefacts, natural and local history from Dumfries and Galloway; incorporates Dumfries Museum, Thornhill Museum, Langholm Museum and Myrseth Museum collections; MSS. concerning Burns, Carlyle, Scott, Barrie; camera obscura; period rooms at Old Bridge House (1660) nearby; Sanquhar Museum in Adam-designed Town House (1753) covers local history and geology; Curator A. E. TRUCKELL, M.B.E., F.S.A., F.S.A.(SCOT.), F.M.A., M.A.

Dundee City Art Gallery and Museum: Albert Square, Dundee, DD1 1DA; f. 1873; Flemish, Dutch, French and British painting, especially Scottish Schools, prints and drawings; regional collections of archaeology, history, natural history, botany and geology; Dir. J. D. BOYD, D.A., F.M.A., F.S.A.(SCOT.), F.R.S.A.; publs. works on archaeology, history, natural history, whaling, art, etc., *Annual Report*.

Barrack Street Museum: Dundee, DD1 1PG; shipping and local industries, etc.; Dir. as above.

Broughty Castle Museum: Dundee, DD5 2BE; history of Broughty Ferry, Tay whaling, natural history of the Tay, arms and armour; Dir. as above.

Camperdown House: Camperdown Park, Dundee, DD2 4FT; history of golf, costume, applied art, personalia of Adm. Adam Duncan and the Duncans of Camperdown; Dir. as above.

Edinburgh City Museums: comprise Huntly House, 142 Canongate (local history), Canongate Tolbooth (temporary exhibitions and Tartan display), Museum of Childhood, 38 High St., Lady Stair's House, Lawnmarket (collection of Scott, Burns and Stevenson), Lauriston Castle, Cramond Rd. South (furniture collection), Queensferry Museum, South Queensferry (local history); City Curator HERBERT COUTTS, S.B.ST.J., F.M.A., F.S.A.(SCOT.).

Glasgow Museums and Art Galleries: Kelvingrove, Glasgow; art collection f. 1856, now extensive, with pictures representative of Italian, Dutch, Flemish and French Schools, including Rembrandt, Rubens, Giorgione and a particularly strong group of French Impressionists; collection of British, especially Scottish art; Victor J. Cumming Collection of British domestic silver, Burrell Collection of paintings, stained glass, furniture, tapestries, etc.; sculpture, ceramics, *objets d'art*; museum has the Scott and Whitelaw Collections of arms and armour; archaeological and ethnographic collections; the Natural History department contains birds, mammals, and is especially rich in geological material; branch museums include Museum of Transport, Pollok House (an 18th-century period house by William Adam containing an important collection of Spanish paintings), People's Palace, Glasgow's museum of local history, and Haggs Castle museum for children; Dir. T. A. WALDEN, C.B.E., M.SC., F.M.A.

Hunterian Museum: Glasgow University, Glasgow, G12 8QQ; f. 1807; geological, prehistoric, Roman and ethnographical collections and the Hunterian Coin Cabinet; art collection in Hunterian Art Gallery; zoological and anatomical collections in university depts. of Zoology and Anatomy; Dir. Prof. FRANK WILLETT, M.A.

National Gallery of Scotland: The Mound, Edinburgh, EH2 2EL; f. 1859; permanent collection of European and Scottish paintings, etc., up to 1900; Dir. COLIN THOMPSON, M.A.; Keeper HUGH MACANDREW, M.A.; Keeper of Prints and Drawings KEITH ANDREWS, M.A., F.S.A.; Restorer JOHN DICK; Sec. ROSEMARY JOHNSTON; publs. *Bulletin* describing new accessions and exhibitions of the 3 National Galleries (4 or 5 times a year), *Annual Report*.

Scottish National Portrait Gallery: Queen St., Edinburgh, EH2 1JD; f. 1882; portraits of Scottish historical interest; an extensive reference section of engravings and photographs of portraits; Dir. as above; Keeper ROBIN HUTCHISON, M.A.

Scottish National Gallery of Modern Art: Inverleith House, Royal Botanic Garden, Edinburgh, EH3 5LR; f. 1960; paintings, drawings, prints and sculptures Scottish and Continental 20th-century; Dir. as above; Keeper DOUGLAS HALL, B.A., F.M.A.

National Museum of Antiquities of Scotland: Queen St., Edinburgh, EH2 1JD; f. 1780; prehistoric, Roman, medieval and recent collections from Scotland; accessions, etc., published in the *Proceedings of the Society of Antiquaries of Scotland*; Keeper A. FENTON.

Royal Scottish Museum: Chambers St., Edinburgh, EH1 1JF; f. 1854; a national museum with collections covering the decorative arts of the world, archaeology and ethnography, natural history, geology, and science and technology; Dir. NORMAN TEBBLE, D.SC., F.R.S.E.; Keepers: Art and Archaeology, R. ODDY, M.A ; Natural History, A. S. CLARKE, PH.D.; Technology, J. D. STORER, B.SC., A.F.R.AE.S.; Geology, C. D. WATERSTON, B.SC., PH.D., F.R.S.E., F.M.A.; Librarian Miss D. C. F. SMITH, M.A., A.L.A.

Scottish Fisheries Museum, The: St. Ayles, Harbourhead, Anstruther, Fife; f. 1969; visual historical record of every aspect of the Scottish Fishing Industry and modern methods and trends; small marine aquarium; reference library of 350 vols.; Curator G. T. CLARKSON; publ. *Newsletter*† (annually).

UNIVERSITIES AND UNIVERSITY COLLEGES

UNIVERSITY OF ABERDEEN

ABERDEEN, AB9 1FX

Telephone: 0224-40241.

Founded 1495.

Chancellor: Rt. Hon. Lord POLWARTH, T.D., D.L., LL.D.

Vice-Chancellor and Principal: Sir FRASER NOBLE, M.B.E., M.A., LL.D., F.R.S.E.

Secretary and Clerk and Registrar to the General Council: T. B. SKINNER, M.A.

Librarian: J. M. SMETHURST, B.A.

Library: *see* Libraries.

Number of teachers: 1,151, including 73 professors.

Number of students: 5,193.

Publications: *Aberdeen University Calendar*†, *Aberdeen University Review*†, *Aberdeen University Study Series*†, *Northern Scotland*†, *Undergraduate Prospectus*†.

DEANS:

Faculty of Arts and Social Sciences: E. D. FRASER, M.A., ED.B., PH.D.
Faculty of Science: J. D. MATTHEWS, B.SC.FOR., F.R.S.E., F.I.F., F.I.BIOL.
Faculty of Divinity: J. B. TORRANCE, M.A., B.D.
Faculty of Law: F. LYALL, M.A., PH.D., LL.M.
Faculty of Medicine: I. MACGILLIVRAY, M.D., F.R.C.P.G., F.R.C.O.G.

PROFESSORS:

Faculty of Arts and Social Sciences:
BEALEY, F. W., B.SC.ECON., Politics
CHADWICK, C., M.A., D.U., French
DRAPER, R. P., PH.D., English
FRASER, ELIZABETH D., M.A., ED.B., PH.D., Psychology
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ILLSLEY, R., PH.D., Institute of Medical Sociology
LAIDLAW, J. C., M.A., PH.D., French
MELLOR, R. E. H., B.A., F.R.G.S., Geography
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MORLEY, M. F., B.A., F.C.A., Accountancy
NISBET, J. D., M.A., PH.D.,. Education
PAYNE, P. L., PH.D., Economic History
PEARCE, D. W., M.A., Political Economy
RAMSEY, P. H., M.A., D.PHIL., History
ROCHFORD, G., B.A., B.SC., Social Work
RUTHERFORD, A., M.A., B.LITT., English
SADLER, P. G., M.SC.(ECON.), Studies of Sparsely Populated Areas
SALZEN, E. A., PH.D., Psychology
SYMONS, J. R., PH.D. ,Psychology
WALTON, K., M.A., PH.D., F.R.S.E., F.R.S.G.S., F.R.G.S., Geography
WATT, W. S., M.A., Humanity
WERNHAM, A. G., M.A., B.A., Moral Philosophy
WILKIE, J. R., M.A., German

Faculty of Science:
BROWN, P. E., PH.D., F.G.S., F.R.S.E., Geology
CHARLTON, T. M., M.A., C.ENG., F.I.C.E., M.I.STRUCT.E., F.R.S.E., F.R.S.A., Engineering
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HOLLIDAY, F. G. T., C.B.E., B.SC., F.R.S.E., F.R.S.A., F.I.BIOL., Zoology
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JONES, R. V., C.B., C.B.E., M.M.(U.S.A.), M.F.(U.S.A.), M.A., D.PHIL., D.SC., D.UNIV., F.C.P., F.INST.P., F.R.A.S., F.R.S., F.R.S.E., F.R.S.A., M.INST.M.C., Natural Philosophy
KEIR, H. M., PH.D., D.SC., C.CHEM., F.R.S.E., F.I.BIOL., F.R.I.C., Biochemistry
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MEARES, P., M.A., PH.D., SC.D., D.SC., C.CHEM., F.R.I.C., F.R.S.E., Physical Chemistry

OGSTON, M. A., M.D., PH.D., D.SC., F.R.C.P., F.R.C.P.E., Physiology
PATTERSON, E. M., PH.D., F.R.S.E., F.I.M.A., Mathematics
ROBERTSON, F. W., PH.D., D.SC., F.I.BIOL., F.R.S.E., Genetics
SMITH, J. R., PH.D., C.ENG., M.I.E.E., Engineering
TAIT, E. A., B.SC., F.G.S., Geology
TAYLOR, H. F. W., PH.D., D.SC., C.CHEM., F.R.I.C., F.I.CERAM., F.R.S.A., F.R.S.E., Inorganic Chemistry
THOMSON, R. H., D.SC., PH.D., C.CHEM., F.R.I.C., F.R.S.A., F.R.S.E., Organic Chemistry
TINSLEY, J., PH.D., F.R.S.E., F.R.I.C., Soil Science
WEATHERLEY, P. E., M.A., D.PHIL., F.R.S., F.R.S.E., F.I.BIOL., Botany
WHITEMAN, A. J., PH.D., F.G.S., F.I.PETR., Geology

Faculty of Divinity:

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GRAY, J., M.A., D.D., PH.D., Hebrew and Semitic Languages
TORRANCE, J. B., M.A., B.D., Systematic Theology
YULE, G. S. S., M.A., Church History

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LYALL, F., M.A., PH.D., LL.M., Public Law
MACCORMACK, G. D., LL.B., M.A., D.PHIL., Jurisprudence
MACLEARY, A. R., M.SC., A.R.I.C.S., M.R.T.P.I., Land Economy
MESTON, M. C., M.A., LL.B., J.D., Private Law

Faculty of Medicine:

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DOUGLAS, A. S., D.SC., M.D., F.R.C.P., F.R.C.P.E., F.R.C.P.G., F.R.C.PATH., Medicine
FRAZER, S. C., M.B., CH.B., PH.D., F.R.S.E., F.R.C.PATH., Chemical Pathology
KLOPPER, A. I., M.D., PH.D., F.R.C.O.G., Reproductive Endocrinology
MACGILLIVRAY. I., M.D., F.R.C.P.G., F.R.C.O.G., Obstetrics
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STALKER, A. L., T.D., D.L., M.D., F.R.C.PATH., Pathology
WALKER, W., M.A., M.B., CH.B., F.R.C.P., F.R.C.P.E., Therapeutics
WEIR, R. D., M.D., D.P.H., M.R.C.P., F.F.C.M., Community Medicine

READERS:

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BARRETT-AYRES, R., B.MUS., Music
CRAWFORD, T., M.A., English
DUKES, P., M.A., PH.D., History
FORSYTH, J., M.A., Russian
GRAY, M., M.A., Economic History
HARGREAVES, H., M.A., English
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MAY, T. E., M.A., Spanish
WALLS, A. F., M.A., B.LITT., Religious Studies

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HAMILTON, W. A., PH.D., Microbiology
McKEAN, D. C., M.A., D.PHIL., D.SC., Chemistry
McKENZIE, J., M.D., F.S.A.(SCOT)., Developmental Biology
MATTHEW, G. D., PH.D., C.ENG., M.I.C.E., Engineering
MOSER, W., B.SC., C.CHEM., F.R.I.C., Chemistry
MURRAY, J. S., B.SC.FOR., F.I.FOR., Forestry
PONTING, F. W., M.A., PH.D., Mathematics
PORTEOUS, J. W., PH.D., F.R.S.E., Biochemistry
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WHITE, A. J., M.SC., PH.D., Mathematics

Faculty of Divinity:

MARSHALL, I. H., M.A., PH.D., New Testament Exegesis

Faculty of Medicine:

BEWSHER, P. D., M.D., F.R.C.P.E., Therapeutics and Clinical Pharmacology
INNES, G., M.D., D.P.H., M.R.C.PSYCH., F.F.C.M., Community Medicine
MACLEOD, M., M.D., F.R.C.P.E., Medicine
PALMER, K. N. V., M.A., M.D., F.R.C.P., F.R.C.P.E., Medicine
SUTHERLAND, H. W., D.OBST.R.C.O.G., F.R.C.O.G., Obstetrics and Gynaecology

ASSOCIATED INSTITUTES:

Marine Laboratory of the Department of Agriculture and Fisheries for Scotland.
Director: B. B. PARRISH, B.SC., F.R.S.E., F.I.BIOL.

Torry Research Station (S.R.C.).
Director: G. H. O. BURGESS, PH.D., F.I.F.S.T., F.R.S.E.

N.E.R.C. Institute of Marine Biochemistry.
Director: P. T. GRANT, PH.D., F.I.BIOL., F.R.S.E.

N.E.R.C. Institute of Terrestrial Ecology.
Officer-in-Charge: D. JENKINS, M.A., D.PHIL., M.R.C.V.S.

UNIVERSITY OF ASTON IN BIRMINGHAM

GOSTA GREEN, BIRMINGHAM
B4 7ET

Telephone: 021-359 3611.

Founded as Municipal Technical School 1895, College of Advanced Technology 1956, University Charter 1966.

Chancellor: Lord NELSON OF STAFFORD, M.A., C.ENG., F.I.C.E., F.I.MECH.E., F.I.E.E., F.R.AE.S.
Vice-Chancellor: Dr. J. A. POPE, PH.D., D.SC., C.ENG., F.I.MECH.E.
Senior Pro-Vice-Chancellor: Prof. M. HOLMES, PH.D., D.SC., C.ENG., F.I.C.E., F.I.STRUCT.E.
Secretary: P. R. TEBBIT, B.A.
Registrar: K. N. HOUGHTON, M.A.
Librarian: C. R. BURMAN, B.A., F.L.A.

Number of teachers: 550.
Number of students: 5,788.

Publications: *Undergraduate Prospectus, Postgraduate Prospectus*†, *Calendar, Student's Guide, Annual Report and Accounts.*

DEANS:

Faculty of Engineering: Prof. R. H. THORNLEY, PH.D., D.SC., C.ENG., F.I.MECH.E., F.I.PROD.E., M.J.S.M.E.
Faculty of Management: Prof. E. W. DAVIS, M.A.
Faculty of Science: Prof. J. A. BLAIR, PH.D., C.CHEM., F.R.I.C.
Faculty of Social Sciences and Humanities: Prof. D. E. AGER, PH.D., F.I.L.

PROFESSORS:

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BATH, BA2 7AY
Telephone: (0225) 6941.

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P.O.B. 363, BIRMINGHAM B15 2TT
Telephone: 021-472-1301.

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Smith, W. T., M.D., F.R.C.P., F.R.C.PATH., Neuropathology
Tomlin, H. R., M.D.S., L.D.S.R.C.S.ED., Dental Prosthetics
Trethowan, W. H., C.B.E., M.A., M.B., B.CHIR., F.R.C.P., F.R.A.C.P., F.R.C.PSYCH., F.A.N.Z.C.P., D.P.M., Psychiatry
Wade, O. L., M.A., M.D., B.CHIR., F.R.C.P., F.R.C.P.I., Clinical Pharmacology
Walton, K. W., PH.D., M.D., M.R.C.S., L.R.C.P., F.R.C.PATH., Experimental Pathology
Whitfield, I. C., D.SC., PH.D., F.R.I.C., Neuro-communications
Whitehead, T. P., PH.D., M.C.B., M.R.C.PATH., F.R.I.C., Clinical Chemistry
Wolstencroft, J. H., M.A., PH.D., Physiology

Faculty of Commerce and Social Science:
Abell, P. M., PH.D., Sociology
Cherry, G. E., B.A., F.T.P.I., F.R.I.C.S., Urban and Regional Planning
Collis, A. T., B.SC.(ECON.), Social Administration
Ferns, H. S., M.A., PH.D., Political Science
Gambling, T. E., B.COM., PH.D., F.C.A., Accounting
Harris, J. R., M.A., PH.D., Economic History
Hinings, C. R., B.A., Organizational Studies
King, M. A., M.A., Investment
Lafitte, F., B.A., Social Policy and Administration
Littlechild, S. C., PH.D., Industrial Economics and Business Studies
Minkes, A. L., M.A., Business Organization
Pattanaik, P. K., PH.D., Mathematical Economics
Phillips, P. C. B., M.A., PH.D., Econometrics and Social Statistics
Samuels, J. M., B.COM., F.A.C.C.A., Business Policy
Stewart, J. D., M.A., D.PHIL., Local Government and Administration
Travis, A. S., B.A., F.R.T.P.I., F.R.S.A., Centre for Urban and Regional Studies
Wightman, D. R., PH.D., International Economic Organization

Faculty of Law:
Beinart, B. Z., LL.M., Jurisprudence
Borrie, G. J., LL.M., English Law
Brown, L. N., M.A., LL.B., DR. en DROIT, Comparative Law
Harvey, B. W., M.A., LL.M., Property Law
Pennington, R. R., LL.D., Commercial Law
Scott, I. R., PH.D., Law

Faculty of Education:
Dearden, R. F., PH.D., History and Philosophy of Education
Gulliford, R., B.A., Educational Psychology
Hughes, M. G., PH.D., BAR.-AT-LAW, Social and Administrative Studies in Education
Taylor, P. H., M.ED., Curriculum and Method

Department of Biochemistry:
Gilbert, G. A., M.A., PH.D., SC.D., F.R.S., Biochemistry
Perry, S. V., PH.D., SC.D., F.R.S., Biochemistry (Head of Dept.)
Walker, D. G., PH.D., D.SC., Biochemistry

READERS:

Faculty of Science and Engineering:
Adie, R. J., O.B.E., PH.D., F.G.S., Antarctic Geology
Berktay, H. O., PH.D., C.ENG., M.I.E.E., Underwater Acoustics
Booth, D. A., M.A., D.SC., PH.D., Physiological Psychology
Burdon, J., PH.D., D.SC., Organic Chemistry
Carter, J. W., PH.D., D.SC., F.R.I.C., Chemical Engineering
Cooper, D. C., M.SC., PH.D., C.ENG., A.M.I.E.E., Electronic Engineering
Dowell, J. D., PH.D., Elementary Particle Physics
Feldman, M. P., PH.D., F.B.PS.S., Clinical Psychology
Glen, J. W., M.A., PH.D., M.INST.P., Ice Physics
Kerr, J. A., D.SC., PH.D., Chemical Kinetics
King, R. F., PH.D., Geophysics
Lacy, E. D., B.SC., A.R.C.S., F.G.S., Geochemistry
Lawson, G. J., PH.D., F.R.I.C., C.ENG., F.I.M.M., Minerals Engineering
Lees, G., PH.D., D.SC., F.G.S., F.I.H.E., Highway Engineering
Long, R., PH.D., M.R.I.C., C.ENG., F.INST.F., Chemical Engineering
Loretto, M. H., D.SC., Materials Science
Mackay, G. M., PH.D., S.M., M.I.T., C.ENG., M.I.MECH.E., Traffic Safety
Maclean, T. S. M., PH.D., C.ENG., M.I.E.E., Electromagnetism
O'Connor, D. A., D.SC., M.INST.P., Crystal Physics
Oliver, D. R., PH.D., D.SC., Chemical Engineering
Patrick, C. R., PH.D., D.SC., C.CHEM., F.R.I.C., Physical Chemistry
Peaker, F. W., PH.D., Physical Chemistry
Pratt, J. N., PH.D., D.SC., F.INST.P., F.I.M., Metallurgical Thermochemistry
Riddiford, L., PH.D., D.SC., M.SC., F.INST.P., High Energy Physics
Roberts, W. T., M.SC., PH.D., M.INST.P., Applied Metallurgy
Rushton, K. R., PH.D., D.SC., Civil Engineering
Scott, B. F., PH.D., Thermodynamics
Simons, J. P., PH.D., SC.D., Photochemistry
Stephen, W. I., PH.D., D.SC., C.CHEM., F.R.I.C., Analytical Chemistry
Stephens, R., PH.D., D.SC., Organic Chemistry
Stringer, E. T., B.SC., PH.D., Climatology
Warwick, G. T., M.B.E., PH.D., Geomorphology
Wells, C. F., D.SC., PH.D., C.CHEM., F.R.I.C., Inorganic Chemistry
Welsby, V. G., PH.D., D.SC., C.ENG., F.I.E.E., F.I.E.R.E., Electrical Engineering

Faculty of Arts:
Birdsall, J. N., M.A., PH.D., F.R.A.S., New Testament Studies and Textual Criticism
Eaton, J. A., M.A., Old Testament Studies
Fortune, N. C., PH.D., Music
Gelling, P. S., M.A., F.S.A., Ancient History and Archaeology
Honan, P., M.A., PH.D., English Literature
Joubert, J., B.MUS., F.R.A.M., Music
Knecht, R. J., M.A., French History
Rees, L. Joan, PH.D., M.A., English Literature
Ricketts, P. T., PH.D., Romance Linguistics
Simmons, R. C., M.A., PH.D., American History

Faculty of Medicine and Dentistry:
Ansell, G. B., D.SC., M.A., PH.D., Neurochemistry
Berry, M., M.B., CH.B., PH.D., D.SC., Neuroanatomy
Bisset, K. A., PH.D., D.SC., Systematic Bacteriology
Bull, J. P., M.A., M.D., B.CHIR., M.R.C.S., F.R.C.P., Traumatology
Chance, M. R. A., PH.D., D.SC., F.I.BIOL., Ethology
Coote, J. H., PH.D., Physiology
Cruickshank, C. N. D., M.D., CH.B., M.R.C.P., M.R.C.PATH., D.I.H., Skin Pathology
Flewett, T. H., M.B., M.R.C.P., M.R.C.PATH., Clinical Virology
Heath, D. A., M.B., CH.B., M.R.C.P., Medicine
Hudlicka, Olga, M.D., PH.D., D.SC., Physiology
Ling, N. R., PH.D., M.R.C.PATH., Experimental Pathology.
Martin, B. F., B.SC., M.D., CH.B., Anatomy
Osborne, M. P., PH.D., D.SC., Neurobiology
Rack, P. M. H., M.A., M.B., B.CHIR., F.R.C.S., Experimental Neurology
Sevitt, S., M.SC., M.D., B.CH., B.A.O., F.R.C.P.I., D.P.H., F.R.C.PATH., Pathology

Stanworth, D. R., PH.D., D.SC., F.R.C.PATH., Experimental Pathology
Thomas, G. H., PH.D., D.I.C., Steroid Endocrinology
Thompson, H., M.D., CH.B., M.R.C.PATH., Pathology
Waterhouse, J. A. H., PH.D., M.A., Medical Statistics
Wilson, H. J., D.SC., PH.D., C.CHEM., F.R.I.C., Dental Materials

Faculty of Education:
Brocklehurst, J. B., M.A., D.MUS., Music Education
Wedell, K., M.A., PH.D.

Department of Biochemistry:
Bray, H. G., PH.D., D.SC., Biochemistry
Finean, J. B., PH.D., D.SC., Molecular Biology
James, Sybil P., PH.D., D.SC., Biochemistry
Teale, F. W. T., PH.D., Physical Biochemistry

UNIVERSITY OF BRADFORD

BRADFORD, WEST YORKSHIRE, BD7 1DP

Telephone: 0274-33466.

Founded 1957 as Bradford Institute of Technology; University Charter 1966. Academic year: October to June (three terms).

Chancellor: The Rt. Hon. Sir Harold Wilson, K.G., P.C., O.B.E., M.P., M.A., F.R.S.
Pro-Chancellor: A. J. Thayre, M.B.E., B.COM., F.S.S.
Vice-Chancellor and Principal: J. C. West, C.B.E., PH.D.
Pro-Vice-Chancellor and Vice-Principal: R. A. McKinlay, B.COM., M.A.
Registrar: I. M. Sanderson, M.B.E., B.SC.
Librarian: F. Earnshaw, B.A., A.L.A.

Number of teachers: 650.

Number of students: 4,820.

Publications: *University Calendar, University Undergraduate Prospectus, University Postgraduate Prospectus.*

DEANS:

Board of Studies in Engineering: J. C. Williams, PH.D., C.ENG., F.I.CHEM.E., F.INST.P.
Board of Studies in Life Sciences: D. W. Mathieson, PH.D., C.CHEM., F.R.I.C.
Board of Studies in Physical Sciences: J. B. Helliwell, PH.D., F.R.S.E., F.I.M.A.
Board of Studies in Social Sciences: K. G. Lockyer, C.ENG., M.I.E.E., M.B.I.M.

PROFESSORS:

Allen, Mrs. Sheila, B.A., Sociology
Barry, B. W., PH.D., M.P.S., C.CHEM., F.R.I.C., Pharmaceutical Technology
Beard, Ruth, M.SC., M.A., PH.D., Educational Studies
Bijl, D., M.A., DR.SC., F.R.S.E., Solid State Physics
Bottomley, J. A., M.A., PH.D., Economics
Brown, G., PH.D., Nuclear Physics
Coles, P. H., M.A., History
Delany, M. J., M.SC., D.SC., F.L.S., Environmental Sciences
Doyle, P., M.A.(ECON.), M.S., PH.D., Marketing
Edwards, D. T., M.SC., PH.D., Project Planning Centre for Developing Countries
Goodman, I., M.SC., PH.D., A.R.T.C.S., C.CHEM., F.R.I.C., Polymeric Materials
Hanson, C., PH.D., C.ENG., C.CHEM., F.R.I.C., F.I.CHEM.E., F.I.M.M., Chemical Engineering
Helliwell, J. B., PH.D., F.R.S.E., F.I.M.A., Mathematics (Engineering)
Hickson, D. J., M.SC.(TECH.), A.C.I.S., Behavioural Studies
Higgins, J. C., M.A., M.SC., PH.D., C.ENG., M.I.E.E., Management Sciences
Holt, S., M.A., PH.D., European Studies
Howson, D. P., D.SC., C.ENG., F.I.E.E., F.I.E.R.E., Electrical Engineering
Kemp, C. D., B.SC., F.I.S., Statistics
Leach, G. D. H., M.SC., PH.D., F.P.S., M.I.BIOL., Pharmacology
Lees, E., M.SC., PH.D., F.I.BIOL., Biological Sciences
Lockyer, K. G., B.SC., C.ENG., M.I.E.E., M.B.I.M., Operations Management
Long, D. A., M.A., D.PHIL., Structural Chemistry
McRae, T. W., B.SC., C.A., Finance
Mathieson, D. W., B.SC., PH.D., F.R.I.C., Pharmaceutical Chemistry
Mellor, P. D., PH.D., C.ENG., M.I.MECH.E., Mechanical Engineering
Mylroi, M. G., PH.D., F.INST.M.C., Control Engineering
O'Connell, J. M., M.A., PH.D., Peace Studies
Ord-Smith, R. A. J., PH.D., F.B.C.S., F.I.M.A., Computer Science
Page, C. W., C.ENG., F.R.I.C., M.I.CHEM.E., Chemical Engineering
Parnaby, J., PH.D., C.ENG., M.I.MECH.E., M.I.E.E., Manufacturing Systems Design
Pettit, P. N., M.A., L.PH., PH.D., Philosophy
Roberts, M. W., D.SC., PH.D., C.CHEM., F.R.I.C., Physical Chemistry
Robinson, P. D., M.A., D.PHIL., Mathematics
Rose, Mrs. Hilary A., B.A., Applied Social Studies
Stonier, T. T., M.S., PH.D., Science and Society
Tilford, R. B., B.A., M.SC.(ECON.), Modern Languages
Walker, V., D.I.C., C.ENG., M.I.MECH.E., Mechanical Engineering
Wearne, S. H., B.SC., D.I.C., PH.D., C.ENG., Technological Management
Wilby, C. B., PH.D., C.ENG., F.I.C.E., F.I.STRUCT.E., Civil and Structural Engineering
Wilkinson, W. L., M.A., PH.D., C.ENG., F.I.CHEM.E., Chemical Engineering
Willis, F. M., B.A., Modern Languages

READERS:

Barnett, S., M.SC.TECH., PH.D., F.I.M.A., Engineering Mathematics
Beck, M. S., D.I.C., M.SC., PH.D., C.ENG., F.I.E.E., Control Engineering
Court, W. E., M.PHARM., PH.D., F.P.S., Pharmacognosy
Dyson, E., PH.D., F.T.I., Textile Engineering
Earland, C., M.SC., PH.D., A.R.C.S., F.R.I.C., Man-Made Fibres and Textile Chemistry
Fraser, D., M.A., PH.D., History
Jones, D. W., PH.D., F.R.I.C., F.INST.P., Structural and Inorganic Chemistry
Jones, H. W., M.A., PH.D., F.R.HIST.S., History
Lancaster, P. R., PH.D., C.ENG., M.I.MECH.E., Mechanical Engineering
McCulloch, J. W., M.SC., PH.D., Applied Social Studies
McGivering, I. C., M.A., Organizational Behaviour
Mack, C., M.A., F.INST.P., Social Mathematics
Merrett, M. J., PH.D., Botany
Mulley, B. A., PH.D., A.R.I.C., M.P.S., Pharmaceutics
Shaw, G., D.I.C., PH.D., D.SC., F.R.I.C., A.R.C.S., Organic Chemistry
Shepherd, W., PH.D., M.A.SC., C.ENG., F.I.E.E., Electrical Engineering
Singleton, F. B., M.A., Yugoslav Studies
Steadman, R., M.SC., PH.D., F.INST.P., Materials Science
Wheelock, J. V., PH.D., Physiological Chemistry
Wronski, A., D.I.C., PH.D., Materials Science
Wyatt, H. V., PH.D., F.I.BIOL., Microbiology

ATTACHED INSTITUTES:

University of Bradford Management Centre: Emm Lane, Bradford, West Yorks., BD9 4JL; f. 1963; library of 20,000 vols.; 50 teachers; 160 undergraduate, 125 postgraduate, 30 Doctoral students; Dir. Prof. J. C. Higgins; Librarian N. Hunter.

Project Planning Centre for Developing Countries: 26 Pemberton Drive, Bradford, West Yorks., BD7 1DP; f. 1969; 13 teachers, 4 research staff; short courses, in U.K. and overseas, in selected projects: infrastructure, human resources, development banking, tourism, etc.; Dir. Prof. D. T. Edwards, M.SC., PH.D.

UNIVERSITY OF BRISTOL

BRISTOL BS8 1TH

Telephone: 24161.

Founded 1909, previously established as University College, Bristol, 1876.

Visitor: H.M. The Queen.
Chancellor: Prof. Dorothy Hodgkin, O.M., M.A., PH.D., D.SC., LL.D., F.R.C.P., F.R.S.
Pro-Chancellors: Sir Reginald Verdon-Smith, D.L., M.A., B.C.L., D.SC., LL.D., Hugh Rogers, M.A., D.SC., LL.D., R. S. W. Clarke, J.P., LL.D.
Vice-Chancellor: Sir Alec Merrison, PH.D., D.SC., LL.D., F.R.S.
Pro-Vice-Chancellors: Rev. Prof. K. Grayston, M.A., Prof. G. F. C. Rogers, B.SC., Prof. R. G. Chambers, M.A., PH.D.
Registrar and Secretary: E. C. Wright, M.A.
Librarian: N. Higham, M.A., A.L.A.

Library: *see* Libraries.

Number of teachers: 2,500, including 100 professors.

Number of students (full-time and part-time): 7,220.

Publications: *Calendar, Univ. of Bristol Register* and Faculty Prospectuses.

DEANS:

Faculty of Arts: Prof. W. D. HOWARTH, M.A.

Faculty of Science: Prof. D. L. DINELEY, PH.D.

Faculty of Medicine: Prof. J. H. MIDDLEMISS, M.D., B.S., M.R.C.P., D.M.R.D., F.R.C.R.

Faculty of Engineering: Prof. C. ANDREW, M.A., PH.D.

Faculty of Law: Prof. J. A. HORNBY, M.A., LL.B.

Faculty of Social Sciences: Prof. J. BROWN, M.A., PH.D.

Faculty of Education: Prof. B. FORD, M.A.

PROFESSORS:

(some professors serve in more than one faculty)

Faculty of Arts:

ALEXANDER, P., B.A., B.SC., Philosophy
ASHWORTH, W., PH.D., Economic and Social History
BURROW, J. A., M.A., English
GOULD, J. P., M.A., Greek
GRAYSTON, The Rev. K., M.A., Theology
GRIMSLEY, R., M.A., D.PHIL., L.-ès-L., French Language and Literature
HOWARTH, W. D., M.A., Classical French Literature
INGHAM, K., O.B.E., M.C., M.A., D.PHIL., History
KENT, The Rev. J. H. S., M.A., PH.D., Theology
KÖRNER, S., PH.D., JUR.DR., F.B.A., Philosophy
MCGRATH, P. V., M.A., History
METFORD, J. C. J., M.A., Spanish
NORTHAM, J. R., M.A., PH.D., Modern and Comparative Drama
REISS, H. S., M.A., PH.D., German
ROGERS, J. W. P., M.A., PH.D., English
ROSS, C. D., M.A., D.PHIL., Medieval History
RUDD, W. J. N., M.A., PH.D., Latin
VINCENT, J. R., M.A., PH.D., Modern History
WARREN, P. M., M.A., PH.D., F.S.A., Ancient History and Classical Archaeology
WARREN, R. H. C., M.A., MUS.D., Music
WICKHAM, G. W. G., M.A., D.PHIL., Drama

Faculty of Science:

BISCOE, T. J., M.B., Physics
BROWN, JOHN, M.A., PH.D., Experimental Psychology
CALDWELL, P. C., M.A., D.PHIL, F.R.S., Zoology (Biochemistry)
CHAMBERS, R. G., M.A., PH.D., Physics
CHAPPELL, J. B., PH.D., Biochemistry
CHESTER, W. J., M.SC., PH.D., Applied Mathematics
DINELEY, D. L., B.SC., PH.D., Geology
DIXON, R. N., PH.D., Theoretical Chemistry
EGLINTON, G., PH.D., D.SC., Organic Geochemistry
ENDERBY, J. E., PH.D., Physics
EVERETT, D. H., M.B.E., M.A., D.PHIL., D.SC., F.R.S.E., Physical Chemistry
FOLLETT, B. K., PH.D., Zoology
FOWLER, P. H., D.SC., F.R.S., Physics
GUTFREUND, H., PH.D., Physical Biochemistry
HAGGETT, P., M.A., PH.D., Urban and Regional Geography
HIRST, J. M., D.SC., PH.D., F.R.S., Agricultural and Horticultural Science
HUGHES, G. M., M.A., PH.D., SC.D., Zoology
KELLER, A., DIPL. CHEM., PH.D. F.R.S., Polymer Science
MACMILLAN, J., PH.D., D.SC., Organic Chemistry
MARSTRAND, J. M., M.A., D.PHIL., Pure Mathematics
MOFFATT, H. K., PH.D., Applied Mathematics
NORRIS, J. R., PH.D., F.I.BIOL., Applied Microbiology
NYE, J. F., M.A., PH.D., Physics
OTTEWILL, R. H., M.A., PH.D., Colloid Science
ROGERS, M. H., PH.D., Computer Science
SHEPHERDSON, J. C., M.A., Pure Mathematics
SIMMONS, I. G., PH.D., Geography
SMITH, D. C., M.A., D.PHIL., F.R.S., Botany
STONE, F. G. A., M.A., PH.D., SC.D., Inorganic Chemistry
WHITING, M. C., M.A., PH.D., Organic Chemistry
WHITTINGTON, G., M.A., PH.D., F.C.A., Accounting and Finance
WILLIAMS, G. T., SC.D., Statistics
ZIMAN, J. M., M.A., M.SC., D.PHIL., F.R.S., Theoretical Physics

Faculty of Medicine:

ANDERSON, D. J., B.D.S., M.SC., PH.D., L.D.S.R.C.S., Oral Biology
ARTHUR, G. H., D.V.SC., Veterinary Surgery
BERRY, D. C., M.D.S., PH.D., Dental Surgery
BISCOE, T. J., M.B., Physiology
BRADFORD, E. W., M.D.S., D.D.SC., Dental Surgery
BULLER, A. J., M.B., M.R.C.P., Physiology
BUTLER, N. R., M.D., F.R.C.P., D.C.H., Child Health
CHAPPELL, J. B., PH.D., Biochemistry
CLAMP, J. R., PH.D., M.D., F.R.I.C., Experimental Surgery
COLLEY, J. R. T., B.SC., M.D., B.S., M.R.C.S., L.R.C.P., M.F.C.M., Community Health
DARLING, A. I., C.B.E., M.D.S., D.D.SC., F.D.S.R.C.S., F.F.D., R.C.S.I., F.C.PATH., M.R.C.S., L.R.C.P., Dental Surgery
DAVIS, D. R., M.A., M.D., F.R.C.P., D.P.M., Mental Health
DIXON, H. G., M.B., B.S., PH.D., F.R.C.P.E., F.R.C.O.G., Obstetrics and Gynaecology
EPSTEIN, M. A., M.A., M.D., PH.D., D.SC., F.R.C.PATH., Pathology
GREGORY, R. L., M.A., F.R.M.S., F.R.S.E., Neuropsychology
GRUNSELL, C. S. G., PH.D., F.R.C.V.S., Veterinary Medicine
MIDDLEMISS, J. H., M.D., B.S., M.R.C.P., D.M.R.D., F.R.C.R., Diagnostic Radiology
MITCHELL, J. F., M.A., PH.D., F.I.BIOL., Pharmacology
PEACOCK, J. H., M.B., CH.M., F.R.C.S., Surgical Sciences.
PICKERING, B. T., PH.D., D.SC., Anatomy
PORTER, D. G., M.SC., B.VET.MED., PH.D., M.R.C.V.S., Pre-Clinical Veterinary Studies
PRYS-ROBERTS, C., M.A., D.M., PH.D., F.F.A.R.C.S., Anaesthetics
READ, A. E. A., M.D., F.R.C.P., Medicine
RICHMOND, M. H., PH.D., Bacteriology
SILVER, I. A., M.A., M.R.C.V.S., Comparative Pathology
SPELLER, D. C. E., M.A., B.M., B.CH., M.R.C.P., M.R.C.PATH., Clinical Bacteriology
WEBSTER, A. J. F., M.A., PH.D., M.R.C.V.S., Animal Husbandry

Faculty of Engineering:

ANDREW, C., M.A., PH.D., M.I.MECH.E., Applied Mechanics
BIRD, B. M., M.SC., PH.D., Electrical Engineering
CRABTREE, L. F., PH.D., Aeronautical Engineering
MILNE, R. D. M.SC., PH.D., F.I.M.A., F.R.AE.S., Engineering Mathematics
ROGERS, G. F. C., B.SC., F.I.MECH.E., Engineering Thermodynamics
SANDER, K. F., PH.D., M.I.E.E., Electronic Engineering
SEVERN, R. T., PH.D., D.SC., Civil Engineering
SMITH, I., M.A., LL.D., A.R.I.B.A., R.W.A., Architecture

Faculty of Law:

FURMSTON, M. P., M.A., LL.M., Law
HORNBY, J. A., M.A., LL.B., Law
PETTIT, P. H., M.A., Equity

Faculty of Social Sciences:

ASHWORTH, W., PH.D., Economic and Social History
BANTON, M. P., PH.D., D.SC., Sociology
BENNATHAN, E., M.A., M.COMM., Political Economy
BROMHEAD, P. A., M.A., D.PHIL., Politics
BROWN, JOHN, M.A., PH.D., Experimental Psychology
DEATON, A. S., M.A., PH.D., Econometrics
HAGGETT, P., M.A., PH.D., Urban and Regional Geography
PARKER, R. A., PH.D., Social Administration
PARSLOE, PHYLLIDA, B.A., Social Work
SMITH, I., M.A., LL.D., A.R.I.B.A., R.W.A., Architecture
TAJFEL, H., M.A., PH.D., Social Psychology
WHITTINGTON, G., M.A., PH.D., F.C.A., Accounting and Finance

Faculty of Education:

FORD, B., M.A.
HOYLE, E., B.SC.(SOC.), M.A.(ED.)
ROBINSON, W. P., M.A., D.PHIL.

READERS:

(some staff serve in more than one faculty)

Faculty of Arts:

ALFORD, B. W. E., PH.D., Economic History
COSTELOE, M. P., PH.D., F.R.H.S., Latin American Studies
COTTLE, A. B., M.A., PH.D., Medieval Studies
LAMBERT, M. D., M.A., B.LITT., History
MACQUEEN, J. G., M.A., Ancient Middle Eastern Studies
TOMLINSON, A. C., M.A., F.R.S.L., English Poetry
WARMINGTON, B. H., M.A., Ancient History
WILLIAMS, C. J. F., M.A., D.PHIL., Philosophy

Faculty of Science:

ARRIDGE, R. G. C., M.A., Physics
ASHBEE, K. H. G., PH.D., D.SC., Metallurgy and Ceramics
ATKINS, E. D. T., D.SC., Physics
BAILEY, A. J., M.A., M.SC., PH.D., SC.D., Biochemistry (Meat Res. Inst.)
BARRON, T. H. K., M.A., D.PHIL., Theoretical Chemistry
BEECH, F. W., PH.D., D.SC., Microbiology
BENDALL, J. B., M.A., SC.D., Muscle Biology (Meat Res. Inst.)
BERRY, M. V., PH.D., Physics
BHOOLA, K. D., M.D., PH.D., B.A.O., Pharmacology
BYRDE, R. J. W., PH.D., Plant Pathology
CARR, J. G., PH.D., D.SC., Microbiology
CLEAVE, J. P., PH.D., Mathematics
COTTINGHAM, W. N., PH.D., Physics

Cox, A. P., PH.D., D.SC., Physical Chemistry
Crook, J. H., PH.D., Psychology
Curtis, L. F., PH.D., Geography
Denton, R. M., M.A., PH.D., D.SC., Biochemistry
Drazin, P. G., PH.D., Mathematics
Duncan, F. G., M.A., F.B.C.S., Computer Science
Dunning, W. J., M.B.E., PH.D., Physical Chemistry
Gibson, W. M., M.A., PH.D., Physics
Green, M., PH.D., D.SC., Inorganic Chemistry
Hewitt, E. J., PH.D., D.SC., Plant Physiology
Hindley, J., PH.D., Biochemistry
Holbrook, J. J., PH.D., D.SC., Biochemistry
Jones, O. T. G., PH.D., Biochemistry
Lang, A. R., M.SC., PH.D., F.R.S., Physics
McOmie, J. F. W., M.A., D.PHIL., D.SC., Organic Chemistry
Madelin, M. F., PH.D., Mycology
Malos, J., PH.D., Physics
Maxwell, J. R., PH.D., Organic Geochemistry
Muirhead, Hilary, M.A., PH.D., Biochemistry
Neville, A. C., M.A., PH.D., Zoology
Nickless, G., PH.D., Analytical Chemistry
Parsons, R., PH.D., D.SC., Electrochemistry
Pennycuick, C. J., M.A., PH.D., Zoology
Peregrine, D. H., PH.D., Mathematics
Rhodes, D. N., M.A., PH.D., F.I.F.S.T., Food Chemistry
Round, F. E., PH.D., D.SC., Physiology
Savage, R. J. G., PH.D., Vertebrate Palaeontology
Slater, M., PH.D., Mathematics
Steeds, J. W., PH.D., Electron Microscopy
Thompson, T. E., PH.D., D.SC., Zoology
Timms, P. L., D.PHIL., Inorganic Chemistry
Watson, H. C., PH.D., D.SC., Molecular Biophysics
Woodcock, D., PH.D., D.SC., Organic Chemistry
Woodward, P., PH.D., Chemical Crystallography

Faculty of Medicine:

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Bourne, F. J., PH.D., M.R.C.V.S., Animal Husbandry
Brown, P. S., B.A., B.M., B.CH., M.R.C.P., Pharmacology
Dunn, P. M., M.A., M.D., B.CHIR., M.R.C.P., D.CH., D.OBST.R.C.O.G., Child Health
Hartog, M., M.A., D.M., F.R.C.P., Medicine
Holmes, J. R., M.V.SC., PH.D., M.R.C.V.S., Veterinary Medicine
Keen, P. M., PH.D., M.R.C.V.S., Pharmacology
Lewis, D. M., B.A., M.B., B.CH., PH.D., M.R.C.S., L.R.C.P., Physiology
Lincoln, D. W., M.A., PH.D., Anatomy
Linton, A. H., M.SC., PH.D., F.R.C.PATH., Bacteriology (Veterinary)
Matthews, B., B.D.S., PH.D., L.D.S.R.C.S., Oral Biology
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Taylor, R. B., PH.D., M.R.C.V.S., Immunology
Thomas, R. C., PH.D., Physiology
Weaver, Barbara M. Q., PH.D., M.R.C.V.S., D.V.A., Veterinary Anaesthesia

Faculty of Engineering:

Adams, R. D., PH.D., Mechanical Engineering
Broadway, A. R. W., PH.D., Electrical Engineering
Cullimore, M. S. G., PH.D., F.I.STRUCT.E., M.WELD.I., Civil Engineering
Ellison, E. G., PH.D., M.I.MECH.E., Mechanical Engineering
Fong, W., PH.D., D.SC., F.I.E.E., Electrical Engineering
Gaydon, F. A., O.B.E., D.SC., F.I.M.A., Engineering Mathematics
Hunt, B. L., SC.M., PH.D., Aeronautical Engineering
Lawson, T. V., B.SC., D.I.C., F.R.AE.S., M.I.MECH.E., F.R.MET.S., Industrial Aerodynamics
Simpson, A., DIP.TECH., PH.D., D.SC., A.F.R.AE.S., A.F.I.M.A., Aeronautical Engineering

Faculty of Social Sciences:

Alford, B. W. E., PH.D., Economic History
Crook, J. H., PH.D., Psychology
Curtis, L. F., PH.D., Geography
Lecomber, J. R. C., M.A., Economics

Faculty of Education:

Inglis, F. C., M.A., M.PHIL., Education

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Race Relations Research Unit: f. 1970; under the Social Science Research Council; to conduct and promote research relevant to the understanding of race relations in Britain; 11 research posts; Dir. Prof. Michael Banton.

ASSOCIATED INSTITUTIONS:

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Principal: Rev. W. M. West, DR.TH.

Wesley College: Henbury Hill, Bristol, BS10 7QD; f. 1842; Theological College.
Principal: (vacant).

Bath College of Higher Education.
Principal: N. P. Payne, M.SC.

St. Paul's College: Cheltenham, Glos.
Principal: G. D. Barnes, M.PHIL.

St. Mary's College: Cheltenham, Glos.
Principal: Gwendoline M. Owen, PH.D.

Bristol Polytechnic Faculty of Education: Bristol.
Principal: J. W. P. Taylor, B.A.

BRUNEL UNIVERSITY

UXBRIDGE,
MIDDLESEX, UB8 3PH
Telephone: (0895) 37188.

Founded 1957 as Brunel College of Technology; College of Advanced Technology 1962; University Charter 1966.

Academic year: September to June.

Chancellor: The Rt. Hon. The Earl of Halsbury, B.SC., F.R.S., F.R.I.C., F.INST.P., C.ENG., F.I.PROD.E., C.CHEM.
Vice-Chancellor and Principal: Stephen L. Bragg, M.A., M.SC., C.ENG., F.I.MECH.E., F.R.AE.S.
Pro-Vice-Chancellor: Prof. C. A. Hogarth, PH.D., F.INST.P.
Vice-Principal: Prof. J. Crank, D.SC., F.INST.P., F.I.M.A.
Secretary-General: B. H. Winstanley, J.P., B.A.
Academic Registrar: E. R. Chandler, M.A.
Librarian: C. E. N. Childs, B.A.

Library: *see* Libraries.
Number of teachers: 276.
Number of students: 4,200.
Publications: *Prospectus of First Degree Courses, Graduate Studies* (both annually), *Brunel Bulletin* (2 a year), *Annual Report*.

HEADS OF SCHOOLS:

Biological Sciences: Prof. T. F. Slater, PH.D., D.SC., F.R.I.C., F.I.BIOL., C.CHEM.
Chemistry: Prof. G. C. Bond, PH.D., D.SC., C.CHEM., F.R.I.C.
Engineering: Prof. T. O. Jeffries, M.A., D.PHIL., C.ENG., F.I.E.E.
Mathematical Studies: Prof. J. Crank, D.SC., F.INST.P., F.I.M.A.
Social Sciences: Prof. The Lord Vaizey of Greenwich, M.A., D.TECH., D.LITT.

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Bond, G. C., PH.D., D.SC., C.CHEM., F.R.I.C., Industrial Chemistry
Burnett, J., M.A., LL.B., PH.D., Social History
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Hopkins, M. K., M.A., Sociology and Social Anthropology
Hudson, L., M.A., PH.D., Psychology
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Jennings, B. R., PH.D., D.SC., F.INST.P., Experimental Physics
Kogan, M., M.A., Government
Lewin, D. W., M.SC., C.ENG., F.B.C.S., F.I.E.R.E., F.I.E.E., M.I.E.E.E., M.INST.P., M.I.M.C., Electrical Engineering and Electronics
Macdonald, P., PH.D., F.I.M.A., C.CHEM., M.R.I.C., F.I.S., Statistics
New, R. W., M.TECH., C.ENG., F.I.MECH.E., F.I.PROD.E., A.M.C.T., M.B.I.M., Production Technology
Pitteway, M. L. V., M.A., PH.D., SC.D., F.I.M.A., F.B.C.S., Computer Science
Rear, J. C. St. C., M.A., BAR.-AT-LAW, Law
Sing, K. S. W., D.SC., PH.D., C.CHEM., F.R.I.C., Applied Chemistry

Slater, T. F., PH.D. D.SC., F.R.I.C., F.I.BIOL., C.CHEM., Biochemistry
Talbot, A., M.A., PH.D., S.M.I.E.E.E., F.I.M.A., Mathematics
Terry, R. J., PH.D., D.SC., F.I.BIOL., Applied Biology
Urry, S. A., B.SC. (ENG.), C.ENG., M.R.AE.S., Building Technology
Wild, R., M.SC., M.SC.(ENG.), PH.D., C.ENG., M.I.MECH.E., M.I.PROD.E., M.B.I.M., Engineering and Management Systems

Attached Institutes:

Institute of Computational Mathematics: Dir. Prof. J. R. Whiteman, PH.D.

Institute of Industrial Training: Dir. A. Daniels, B.SC.

Institute of Organisation and Social Studies: Dir. Prof. E. Jaques, M.A., M.D., PH.D., F.R.C.PSYCH.

THE UNIVERSITY COLLEGE AT BUCKINGHAM

BUCKINGHAM, MK18 1EG

Telephone: 02802-4161.

Founded 1973 (first student intake 1976).

Private control; Academic year: February to December (4 10-week terms).

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Chairman of Council: Sir Ralph Bateman, K.B.E.
Principal: Prof. Max Beloff, M.A., D.LITT., F.B.A., F.R.HIST.S., F.R.S.A.
Principal-Designate: Prof. A. T. Peacock, D.SC., M.A.
Registrar: Laurence Wilson, M.A.
Librarian: John E. Pemberton, M.A., F.L.A., F.R.S.A.
Dean of Admissions: J. C. Clarke, M.A., D.PHIL.

Number of teachers: 36.
Number of students: 230.

Publication: *Prospectus*† (annually).

Chairmen of Boards of Studies:

Law: Prof. P. S. James, M.A.
Economics: Prof. A. T. Peacock, D.SC., M.A.
Politics, Economics, & Law: Prof. C. H. Vereker, M.A., D.PHIL.
History, Politics, & English Literature: Dr. J. C. Clarke, M.A., D.PHIL.
European Studies: Prof. M. Beloff, M.A., D.LITT., F.B.A., F.R.HIST.S., F.R.S.A.
Accounting and Financial Management: Prof. P. L. Watson, M.SC., A.C.A.

Professors:

Beloff, M., M.A., D.LITT., F.B.A., F.R.HIST.S., F.R.S.A., Government
Brook, A. J., PH.D., D.SC., F.R.S.E., Life Sciences
Coveney, J., B.A., DR.UNIV., F.R.S.A., Modern Languages
James, P. S., M.A., Law
Peacock, A. T., D.SC., M.A., Economics
Vereker, C. H., M.A., D.PHIL., Social and Political Theory
Watson, P. L., M.SC., A.C.A., Accounting and Financial Management

UNIVERSITY OF CAMBRIDGE

CAMBRIDGE

Telephone: 58933 (Registry)

Founded in the 13th Century.

Chancellor: H.R.H. The Prince Philip, Duke of Edinburgh, K.G., K.T.
Vice-Chancellor: Sir Alan Cottrell, SC.D.
High Steward: The Rt. Hon. the Lord Devlin, M.A., HON. LL.D.
Orator: F. H. Stubbings, M.A., PH.D.
Registrary: R. E. Macpherson, M.A.
Secretary-General of the Faculties: A. D. I. Nicol, M.A., PH.D.
Librarian: E. B. Ceadel, M.A.

Libraries: *see* Libraries.

Fitzwilliam Museum: *see* Museums.

Number of teaching staff: approx. 1,200.

Number of students: 8,560 men, 2,439 women, total 11,039.

Publications: *Statutes and Ordinances of the University, Cambridge University Reporter* (weekly during full-term and occasionally at other times), *The Cambridge University Handbook, List of Members,* Supplements to the *Historical Register.*

University Teaching Officers:

The initials in brackets appearing after each professor's name and subject represent the College or Institute to which he is attached. The key is given below:

Cai.—Gonville and Caius College.
Cth.—St. Catharine's College.
Chr.—Christ's College.
Chu.—Churchill College.
Cl.—Clare College.
Cl. H.—Clare Hall.
C.C.—Corpus Christi College.
Dar.—Darwin College.
Dow.—Downing College.
Ed.—St. Edmund's House.
Em.—Emmanuel College.
F.—Fitzwilliam College.
G.—Girton College.
H. H.—Hughes Hall.
Ho.—Homerton College.
Je.—Jesus College.
Jn.—St. John's College.
K.—King's College.
L.C.—Lucy Cavendish Collegiate Society.
M.—Magdalene College.
N.H.—New Hall.
N.—Newnham College.
Pem.—Pembroke College.
Pet.—Peterhouse.
Q.—Queens' College.
R.—Robinson College.
Se.—Selwyn College.
Sid.—Sidney Sussex College.
T.—Trinity College.
T.H.—Trinity Hall.
W.—Wolfson College.

Faculty of Architecture and History of Art:

PROFESSORS:

Jaffé, A. M., M.A., History of Western Art (K.)
Wilson, C. A. St. J., M.A., Architecture (Pem.)

Faculty of Classics:

PROFESSORS:

Allen, W. S., M.A., PH.D., Comparative Philology (T.)
Finley, M. I., M.A., PH.D., F.B.A., Ancient History (Dar.)
Kenney, E. J., M.A., Latin (Pet.)
Kirk, G. S., LITT.D., F.B.A., Greek—Regius (T.)
Owen, G. E. L., M.A., Ancient Philosophy (K.)
Snodgrass, A. M., M.A., D.PHIL., Classical Archaeology (Cl.)

READERS:

Bolgar, R. R., M.A., History of the Classical Tradition (K.)
Chadwick, J., LITT.D., F.B.A., Greek Language and Classics (Dow.)
Crook, J. A., M.A., F.B.A., Roman History and Law (Jn.)
Lloyd, G. E. R., M.A., PH.D., Ancient Philosophy and Science (K.)

Faculty of Divinity:

PROFESSORS:

Hooker, Miss M. D., M.A., PH.D., Divinity (R.)
Lampe, Rev. Canon G. W. H., M.C., D.D., Divinity—Regius (Cai.)
Lash, N. L. A., M.A., B.D., Divinity—Norris-Hulse (Ed.)
Stead, Rev. G. C., M.A., Divinity—Ely (K.)

READERS:

Bammel, E., M.A., Early Christian and Jewish Studies (Ed.)
Hart, H. St. J., B.D., Hebrew and Intertestamental Studies (Q.)

Faculty of English:

PROFESSORS:

Clemoes, P. A. M., PH.D., F.R.HIST.S. Anglo-Saxon (Em.)
Holloway, J., LITT.D., Modern English (Q.)
Jack, I. R. J., LITT.D., English (Pem.)
Kermode, J. F., M.A., English Literature (K.)
Ricks, C. B., M.A., English (Chr.)
Stevens, J. E., M.A., PH.D., Medieval and Renaissance English (M).
Williams, R. H., LITT.D., Drama (Je.)

READERS:

Beer, J. B., M.A., PH.D., English Literature (Pet.)
Brewer, D. S., M.A., Medieval English (Em.)
Page, R. I., LITT.D., Old English and Old Norse Philology (C.C.)

Faculty of Modern and Medieval Languages:

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Austin, Ll. J., M.A., F.B.A., French (Je.)
Barrère, J. B. M., M.A., French Literature (Jn.)
de Mourgues, Mrs. O. M. H. L., LITT.D., French (G.)
Fairlie, Miss A. A. B., PH.D., French (G.)
Forster, L. W., LITT.D., German (Se.)
Green, D. H., M.A., Modern Languages (T.)
Leigh, R. A., C.B.E., LITT.D., French (T.)
Lewitter, L. R., M.A., PH.D., Slavonic Studies (Chr.)
Limentani, U., M.A., Italian (M.)
Smith, C. C., M.A., PH.D., Spanish (Cth.)

READERS:

Bredsdorff, E. L., M.A., Scandinavian Studies (Pet.)
Rickard, P., PH.D., French Language (Em.)

Faculty of Music:

PROFESSOR:

Goehr, A., M.A., Music (T.H.)

Faculty of Oriental Studies:

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Brough, J., M.A., F.B.A., Sanskrit (Jn.)
Emerton, Rev. J. A., D.D., Hebrew—Regius (Jn.)
Serjeant, R. B., PH.D., Arabic (T.)
Twitchett, D. C., M.A., PH.D., Chinese (Cth.)

READERS:

Allchin, F. R., M.A., Indian Studies (Chu.)
Gershevitch, I., M.A., F.B.A., Iranian Studies (Je.)
Norman, K. R., M.A., Indian Studies (Dow.)
Ray, J. D., M.A., Egyptology (T.H.)

Faculty of Economics and Politics:

PROFESSORS:

Barnes, J. A., D.SC., M.A., Sociology (Chu.)
Hahn, F. H., M.A., Economics (Chu.)
Neild, R. R., M.A., Economics (T.)
Reddaway, W. B., M.A., Political Economy (Cl.)
Stone, Sir Richard, C.B.E., SC.D., F.B.A., Finance and Accounting (K.)
Turner, H. A. F., M.A., Industrial Relations (Chu.)

READERS:

Deane, Miss P. M., M.A., Economic History (N.)
Goodwin, R. M., M.A., Economics (Pet.)
Posner, M. V., M.A., Economics (Pem.)

Faculty of Education:

PROFESSOR:

Hirst, P. H., M.A., Education (W.)

Faculty of History:

PROFESSORS:

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Chadwick, Rev. W. O., D.D., F.B.A., Modern History—Regius (Se.)
Coleman, D. C., M.A., Economic History
Elton, G. R., LITT.D., F.B.A., English Constitutional History (Cl.)
Gallagher, J. A., M.A., Imperial and Naval History (T.)
Hinsley, F. H., O.B.E., M.A., History of International Relations (Jn.)
Holt, J. C., M.A., F.S.A., Medieval History
Skinner, Q. R. N., M.A., Political Science (Chr.)
Stokes, E. T., M.A., PH.D., History of the British Commonwealth (Cth.)
Wilson, C. H., LITT.D., F.B.A., Modern History (Je.)

READERS:

Cowling, M. J., M.A., Modern English History (Pet.)
Dunn, J. M., M.A., Politics (K.)
Laslett, T. P. R., M.A., Politics and the History of Social Structure (T.)
Pelling, H. M., LITT.D., Recent British History (Jn.)
Pole, J. R., M.A., American History and Government (Chu.)

Faculty of Law:

PROFESSORS:

Jennings, R. Y., M.A., LL.B., International Law (Je.)
Jolowicz, J. A., M.A., Comparative Law (T.)
Jones, G. H., LL.D., Laws of England (T.)
Milsom, S. F. C., M.A., F.B.A., Law (Jn.)
Parry, C., LL.D., International Law (Dow.)
Stein, P. G., M.A., LL.B., Civil Law—Regius (Q.)
Wade, H. R. W., LL.D., Q.C., F.B.A., English Law (Cai.)
Walker, N. D., LITT.D., Criminology (K.)

READERS:

Bowett, D. W., LL.D., International Law (Q.)
Gooderson, R. N., M.A., English Law (Cth.)
Williams, D. G. T., M.A., LL.B., Public Law (Em.)
Yale, D. E. C., M.A., LL.B., English Legal History (Chr.)

Faculty of Philosophy:

PROFESSORS:

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Williams, B. A. O., M.A., Philosophy (K.)

READER:

Lewy, C., M.A., PH.D., Philosophy (T.)

Faculty of Engineering:

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Beck, A. H. W., M.A., Engineering (C.C.)
Brandon, P. S., M.A., Electrical Engineering (Je.)
Ffowcs Williams, J. E., M.A., Engineering (Em.)
Hawthorne, Sir William, C.B.E., M.A., F.R.S., Applied Thermodynamics (Chu.)
Heyman, J., M.A., PH.D., Engineering (Pet.)
Johnson, K. L., M.A., Engineering (Je.)
Johnson, W., D.SC., Mechanics (F.)
McFarlane, A. G. J., PH.D., D.SC., Engineering (Se.)
Mair, W. A., C.B.E., M.A., Aeronautical Engineering (Dow.)
Newland, D. E., M.A., SC.D., Engineering (Se.)
Schofield, A. N., M.A., PH.D., Engineering (Chu.)

READERS:

Calladine, C. R., M.A., Structural Mechanics (Pet.)
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Dwight, J. B., M.A., M.SC., Structural Engineering (M.)
Fallside, F., M.A., Electrical Engineering (T.H.)
Haywood, R. W., M.A., Engineering Thermodynamics (Jn.)
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Squire, L. C., M.A., Engineering (Chu.)
Whitehead, D. S., M.A., PH.D., Engineering (Je.)
Wroth, C. P., M.A., PH.D., Soil Mechanics (Chu.)

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Jacobs, J. A., M.A., Geophysics (Dar.)
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St. Joseph, J. K. S., LITT.D., Aerial Photographic Studies (Se.)
Whittington, H. B., M.A., F.R.S., Geology (Sid.)

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Kendall, D. G., M.A., F.R.S., Mathematical Statistics (Chu.)
Lighthill, Sir James M., B.A., F.R.S., Mathematics (T.)
Polkinghorne, J. C., SC.D., F.R.S., Mathematical Physics (T.)
Powell, M. J. D., Applied Numerical Analysis (Pet.)
Swinnerton-Dyer, Sir Peter, M.A., F.R.S., Mathematics (Cth.)
Thompson, J. G., PH.D., Mathematics (Chu.)
Whittle, P., M.A., Mathematics for Operational Research (Chu.)

READERS:

Conway, J. H., M.A., PH.D., Pure Mathematics (Cai.)
Garling, D. J. H., M.A., PH.D., Mathematical Analysis (Jn.)
Hunt, J. C. R., M.A., PH.D., Fluid Mechanics (T.)
Landshoff, P. V., M.A., PH.D., Mathematical Physics (Chr.)
Smithies, F., B.A., PH.D., Functional Analysis (Jn.)

Faculty of Physics and Chemistry:

PROFESSORS:

Battersby, A. R., SC.D., F.R.S., Organic Chemistry (Cth.)
Buckingham, A. D., PH.D., F.R.S., Chemistry (Pem.)
Charles, J. A., SC.D., Process Metallurgy (Jn.)
Cook, A. H., SC.D., F.R.S., Natural Philosophy (K.)
Edwards, Sir Samuel, M.A., PH.D., F.R.S., Physics (Cai.)
Heine, V., PH.D., F.R.S., Physics (Cl.)
Hewish, A., M.A., PH.D., F.R.S., Radio Astronomy (Chu.)
Honeycombe, R. W. K., PH.D., Metallurgy (Cl.H.)
Johnson, B. F. G., M.A., Inorganic Chemistry (F.)
Josephson, B. D., M.A., PH.D., F.R.S., Physics (T.)
Lewis, J., M.A., F.R.S., Chemistry (R.)
Lynden-Bell, D., M.A., PH.D., F.R.S., Astrophysics (Cl.)

PIPPARD, Sir BRIAN, SC.D., F.R.S., Physics—Cavendish (Cl. H.)
RAPHAEL, R. A., M.A., D.SC., F.R.S., Organic Chemistry (Chr.)
REES, M. J., M.A., PH.D., Astronomy and Experimental Philosophy (K.)
RYLE, Sir MARTIN, M.A., F.R.S., Radio Astronomy (T.)
SHOENBERG, D., M.B.E., B.A., PH.D., F.R.S., Physics (Cai.)
TABOR, D., SC.D., F.R.S., Physics (Cai.)
THOMAS, J. M., M.A., Physical Chemistry (K.)
THRUSH, B. A., SC.D., Physical Chemistry (Em.)

READERS:

AGAR, J. N., M.A., PH.D., Physical Chemistry (Sid.)
BROWN, D. McG., SC.D., Organic Chemistry (K.)
BUDDEN, K. G., M.A., PH.D., F.R.S., Physics (Jn.)
EDEN, R. J., M.A., PH.D., Theoretical Physics (Cl. H.)
HARLEY-MASON, J., SC.D., Organic Chemistry (C.C.)
MADDOCK, A. G., SC.D., Radiochemistry (Cth.)
TOWNSEND, A. A., PH.D., F.R.S., Experimental Fluid Mechanics (Em.)
WILLIAMS, D. H., SC.D., Organic Chemistry (Chu.)
YOFFE, A. D., SC.D., Physics (Dar.)

Faculty of Archaeology and Anthropology:

PROFESSORS:

DANIEL, G. E., LITT.D., Archaeology (Jn.)
GOODY, J. R., SC.D., Social Anthropology (Jn.)
MCBURNEY, C. B. M., SC.D., Quaternary Prehistory (C.C.)

READERS:

COLES, J. M., M.A., European Prehistory (F.)
HUMPHREYS, Mrs. M. E., M.A., PH.D., Smuts Reader (Cl.H.)

Faculty of Biology (A)*:*

PROFESSORS:

BEAMENT, J. W. L., SC.D., F.R.S., Agriculture (Q.)
HORN, G., SC.D., Zoology (K.)
THODAY, J. M., SC.D., F.R.S., Genetics (Em.)
WEST, R. G., SC.D., F.R.S., Botany (Cl.)

READERS:

BATESON, P. P. G. B., SC.D., Animal Behaviour (K.)
EVANS, G. C., SC.D., Experimental Ecology (Jn.)
MACROBBIE, Miss E. A. C., M.A., Plant Biophysics (G.)
RISHBETH, J., SC.D., F.R.S., Plant Pathology (C.C.)
TREHERNE, J. E., SC.D., Invertebrate Physiology (Dow.)
WELLS, M. J., SC.D., Zoology (Chu.)
WHITEHOUSE, H. L. K., SC.D., Genetic Recombination (Dar.)

Faculty of Biology (B)*:*

PROFESSORS:

ADRIAN, Lord, M.A., M.D., Cell Physiology (Chu.)
AUSTIN, C. R., M.A., Animal Embryology (F.)
COOMBS, R. R. A., SC.D., F.R.S., Biology (C.C.)
DIXON, K. C., M.D. . Cellular Pathology (K.)
GALE, E. F., SC.D., F.R.S., Chemical Microbiology (Jn.)
GLYNN, I. M., M.D., Membrane Physiology (T.)
GRESHAM, G. A., M.D., SC.D., Morbid Anatomy and Histology (Je.)
HARRISON, R. J., M.D., F.R.S., Anatomy (Dow.)
HODGKIN, Sir ALAN, O.M., F.R.S., SC.D., Biophysics (T.)
JEWELL, P. A., M.A., PH.D., Physiology of Reproduction (Jn.)
KEYNES, R. D., SC.D., Physiology (Chu.)
KORNBERG, Sir HANS, M.A., D.SC., F.R.S., Biochemistry (Chr.)
LACHMANN, P. J., SC.D., Tumour Immunology (Chr.)
NORTHCOTE, D. H., SC.D., F.R.S., Plant Biochemistry (Sid.)
SHUTE, C. C. D., M.D., Histology (Chr.)
WILDY, P., M.A., M.B., B.CHIR., Pathology (Cai.)
ZANGWILL, O. L., M.A., F.R.S., Experimental Psychology (K.)

READERS:

CAMPBELL, F. W., M.A., Neurosensory Physiology (Jn.)
COMLINE, R. S., SC.D., Veterinary Physiology (Cth.)
CUTHBERT, A. W., M.A., Pharmacology (Je.)
EDWARDS, R. G., M.A., Physiology (Chu.)
FITZSIMONS, J. T., M.D., Physiology (Cai.)
HAYDON, D. A., M.A., F.R.S., Surface and Membrane Biophysics (T.H.)
HERBERTSON, B. M., M.A., Morbid Anatomy and Histology (F.)
MATTHEWS, E. K., M.A., Pharmacology (Jn.)
METCALFE, J. C., M.A., PH.D., Biochemistry (Dar.)
PERHAM, R. N., SC.D., Biochemistry of Macromolecular Structures (Jn.)

Faculty of Clinical Medicine:

PROFESSORS:

ACHESON, R. M., M.D., SC.D., F.R.C.P., Community Medicine (Chu.)
BLEEHEN, N. M., M.A., F.R.C.P., Clinical Oncology (Jn.)
BUTTERFIELD, Sir JOHN, O.B.E., M.A., M.D., F.R.C.P., Physic—Regius (Dow.)
CALNE, R. Y., M.A., F.R.C.S., F.R.S., Surgery (T. H.)
DOUGLAS, C. P., M.A., F.R.C.O.G., Obstetrics and Gynaecology (Pet.)
HALES, C. N., M.D., Clinical Biochemistry (Dow.)
HAYHOE, F. G. J., M.D., F.R.C.P., Haematological Medicine (Dar.)
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ROTH, Sir MARTIN, M.D., F.R.C.P., Psychiatry (T.)
SHERWOOD, T., M.A., Radiology

READERS:

EDWARDS, A. W. F., SC.D., Mathematical Biology (Cai.)
WALSHE, J. M., SC.D., Metabolic Disease (T. H.)

Department of Chemical Engineering:

PROFESSOR:

DAVIDSON, J. F., SC.D., F.R.S., Chemical Engineering (T.)

Department of Clinical Veterinary Medicine:

PROFESSOR:

SOULSBY, E. J. L., M.A., Animal Pathology (Gth.)

READERS:

HALL, L. W., M.A., Comparative Anaesthesia (W.)
HICKMAN, J., M.A., Animal Surgery (K.)

Computer Laboratory:

PROFESSORS:

WHEELER, D. J., PH.D., Computer Science (Dar.)
WILKES, M. V., M.A., PH.D., F.R.S., Computer Technology (Jn.)

READER:

NEEDHAM, R. M., M.A., PH.D., Computer Systems (W.)

Department of History and Philosophy of Science:

PROFESSOR:

HESSE, Miss M. B., M.A., Philosophy of Science (W.)

READERS:

BUCHDAHL, G., M.A., History and Philosophy of Science (Dar.)
WHITESIDE, D. T., PH.D., History of Mathematics (Chu.)

Department of Land Economy:

PROFESSOR:

(Vacant).

University Library:

READER:

OATES, J. C. T., M.A., Historical Bibliography (Dar.)

MEN'S COLLEGES:
(in order of their foundation)

Peterhouse: f. 1284.
Master: Prof. J. G. D. CLARK, C.B.E., SC.D., F.B.A.

Pembroke College: f. 1347.
Master: W. A. CAMPS, M.A.

Corpus Christi College: f. 1352.
Master: Sir DUNCAN WILSON, G.C.M.G.

Queens' College: f. 1448.
President: D. W. BOWETT, LL.D.

St. John's College: f. 1511.
Master: Prof. P. N. S. MANSERGH, O.B.E., LITT.D., F.B.A.

Magdalene College: f. 1542.
Master: Sir DERMAN CHRISTOPHERSON, F.R.S.

St. Edmund's House: f. 1896 (Approved Foundation 1975).
Master: Rev. J. S. COVENTRY, M.A., S.T.L.

WOMEN'S COLLEGES:

Newnham College: f. 1871.
Principal: Mrs. JEAN FLOUD, C.B.E., B.SC.(ECON.), M.A.

New Hall: f. 1954.
President: Dame ROSEMARY MURRAY, J.P., M.A., D.PHIL.

Lucy Cavendish Collegiate Society: f. 1964 (Approved Society 1965).
President: Mrs. C. K. BERTRAM, M.A., PH.D.

MIXED COLLEGES:

Christ's College: f. 1505 for men; women admitted 1978.
Master: Prof. J. H. PLUMB, LITT.D., F.B.A.

Churchill College: f. 1960 for men; women admitted 1972.
Master: Prof. Sir WILLIAM HAWTHORNE, C.B.E., M.A., F.R.S., F.R.AE.S., F.I.MECH.E.

Clare College: f. 1326 for men; women admitted 1972.
Master: R. C. O. Matthews, M.A., F.B.A.

Downing College: f. 1800 for men; women admitted 1978.
Master: Prof. Sir John Butterfield, O.B.E.

Emmanuel College: f. 1584 for men; women admitted 1978.
Master: D. S. Brewer, M.A., PH.D.

Fitzwilliam College: f. 1966 for men; women admitted 1978.
Master: E. Miller, M.A., F.R.HIST.S.

Girton College: f. 1869 for women; men admitted 1977.
Mistress: Mrs. B. E. Ryman, M.A., PH.D.

Gonville and Caius College: f. 1348 for men; women admitted 1978.
Master: H. W. R. Wade, M.A., LL.D., D.C.L., F.B.A.

Homerton College: f. 1824 as a Training College (Approved Society 1977); men re-admitted 1978.
Principal: Miss A. C. Shrubsole, M.A.

Hughes Hall: f. 1885 as the Cambridge Training College for Women (Approved Society 1968).
President: Prof. R. D'Aeth, PH.D.

Jesus College: f. 1496 for men; women admitted 1978.
Master: Sir Alan Cottrell, SC.D., F.R.S.

King's College: f. 1441 for men; women admitted 1972.
Provost: Prof. B. A. O. Williams, M.A.

Robinson College: f. 1977.
Warden: Prof. J. Lewis.

St. Catharine's College: f. 1473 for men; women admitted 1978.
Master: Prof. Sir Peter Swinnerton-Dyer, Bt., M.A., F.R.S.

Selwyn College: f. 1882 for men; women admitted 1976.
Master: Rev. Prof. W. O. Chadwick, D.D., F.B.A.

Sidney Sussex College: f. 1596 for men; women admitted 1976.
Master: Prof. D. H. Northcote, PH.D., SC.D., F.R.S.

Trinity College: f. 1546 for men; women admitted 1977.
Master: Prof. Sir Alan Hodgkin, O.M., K.B.E., SC.D., F.R.S.

Trinity Hall: f. 1350 for men; women admitted 1977.
Master: T. M. Sugden, C.B.E., SC.D., F.R.S.

Mixed Colleges for Graduate Students:

Clare Hall: f. 1966 (Approved Foundation).
President: Prof. R. W. K. Honeycombe, D.SC.

Darwin College: f. 1964.
Master: Prof. M. I. Finley, M.A., PH.D., F.B.A.

Wolfson College: f. 1965.
President: J. S. Morrison, M.A.

Attached Institutes:

Audio-Visual Aids Unit.
Director: A. M. P. Brookes, M.A.

Centre of African Studies.
Director: A. F. Robertson, M.A.

Centre of International Studies.
Director: Prof. F. H. Hinsley, M.A.

Centre of Latin American Studies.
Director: D. A. Brading, M.A., PH.D.

Centre of South Asian Studies.
Director: B. H. Farmer, M.A.

School of the Biological Sciences.
Secretary: G. R. Anderson, M.A.

School of the Physical Sciences.
Secretary: R. A. Nind, M.A.

THE CITY UNIVERSITY

ST. JOHN ST., LONDON, EC1V 4PB
Telephone: 01-253 4399.

Founded 1896; formerly Northampton College of Advanced Technology; University Charter 1966.

Academic year: September to July.

Chancellor: The Lord Mayor of London.
Vice-Chancellor and Principal: R. N. Franklin, M.E., M.A., D.PHIL., D.SC.
Pro-Vice-Chancellor: Prof. J. C. Levy, PH.D., M.S., C.ENG., F.I.MECH.E., M.R.AE.S., A.C.G.I.
Vice-Principal: Prof. D. J. Alner, M.SC., PH.D., F.R.I.C.
Academic Registrar: L. A. Fairbairn, PH.D.
Librarian: S. J. Teague, B.SC.(ECON.), F.L.A.

Number of teachers: 320.
Number of students: 3,000.

Publications: *Undergraduate Prospectus*†, *Postgraduate Prospectus*†, *Quest*† (2 a year), *City News*† (9 a year).

Heads of Departments:

Civil Engineering: Prof. P. O. Wolf, B.SC.(ENG.), A.K.C., C.ENG., F.I.C.E., F.I.W.E.S., F.A.S.C.E., F.R.MET.S., M.I.A.H.R., M.A.G.U.
Mechanical Engineering: Prof. J. C. Levy, PH.D., M.S., C.ENG., F.I.MECH.E., M.R.AE.S., A.C.G.I.
Electrical and Electronic Engineering: Prof. A. J. Ellison, D.SC.(ENG.), F.I.MECH.E., F.I.E.E.
Systems Science: Prof. L. Finkelstein, M.SC., C.ENG., M.INST.P., M.I.E.E., M.INST.M.C.
Aeronautics: A. R. S. Bramwell, M.SC., PH.D., C.ENG., F.R.AE.S. (acting).
Mathematics: Prof. M. A. Jaswon, M.A., PH.D., F.I.M.A.
Computer Science: Prof. V. E. Price, M.A., PH.D., F.I.M.A., F.B.C.S.
Physics: Prof. C. W. Miller, D.SC., F.INST.P., C.ENG., F.I.E.R.E.
Chemistry: C. F. Cullis, M.A., D.SC., D. PHIL., C.CHEM., F.R.I.C.
Optometry and Visual Science: Prof. R. J. Fletcher, M.SC.(TECH.), F.S.M.C.(HONS.), F.B.O.A.H.D., D.ORTH., D.C.L.P.
Social Science and Humanities: K. R. Kirton, M.A. (acting).
City University Business School: Prof. J. A. P. Treasure, PH.D.
Centre for Information Science: R. L. Bottle, PH.D. (Dir.).
Centre for Arts and Related Studies: D. E. P. Jenkins, B.SC., C.ENG., M.I.E.E.
Centre for Banking and International Finance: Prof. B. Griffiths, M.SC.(ECON.) (Dir.).
Centre for Educational Technology: L. F. Evans, A.I.M., A.I.CERAM.

Professors:

Brown, A. F., M.A., PH.D., F.INST.P., F.I.M. F.R.S.E., Physics
Dawid, A. P., M.A., Statistics
Done, G. T. S., PH.D., C.ENG., M.I.MECH.E., M.R.AE.S., Applied Mechanics
Duckworth, R. A., PH.D., C.ENG., F.I.MECH.E., A.C.G.I., Fluids Transport Engineering
Dunn, G. M., F.B.O.A.H.D., D.C.L.P., D.ORTH, F.S.M.C., Clinical Optometry
Gibson, J. E., D.SC., PH.D., C.ENG., F.I.C.E., F.I.STRUCT.E., M.I.A.S.S., Civil Engineering Structures
Griffiths, B., M.SC.(ECON.), International Banking and Finance
Grinyer, P. H., M.A., PH.D., Business Strategy
Harbury, C. D., PH.D., Economics
Herriot, P., M.ED., PH.D., Psychology
House, H., PH.D., C.ENG., M.I.E.E., High Voltage Engineering
Kessler, S., B.SC.(ECON.), Industrial Relations
M'Pherson, P. K., S.M., M.A., C.ENG., F.I.MECH.E., Systems Science
Pegler, J. B. H., B.A., F.I.A., Actuarial Science
Price, V. E., M.A., PH.D., F.I.M.A., F.B.C.S., Computer Science
Shone, K. J., M.A., C.ENG., M.I.MAR.E., M.E.I.C., Management Studies
Tunstall, C. J., B.A., Sociology

Readers:

Brignell, J. E., PH.D., M.INST.P., Electrical and Electronic Engineering
Caffyn, J. E., B.SC., F.INST.P., Physics
Coleman, J. D., M.SC., C.ENG., F.I.C.E., F.INST.P., F.I.M.A., F.I.H.E., F.G.S., F.R.MET.S., Civil Engineering
Davies, A. C., M.PHIL., PH.D., C.ENG., M.I.E.E., S.M.I.E.E.E., Electrical and Electronic Engineering
Eagles, P. M., M.SC., PH.D., Mathematics
Foster, R. H., B.SC.(ENG.), C.ENG., M.I.C.E., M.I.MUN.E., Civil Engineering
Mathon, J., PH.D., Mathematics
Padgham, C. A., M.SC., PH.D., D.I.C., A.R.C.S., F.INST.P., Optometry and Visual Science
Rickman, H. P., M.A., D.PHIL., Philosophy
Roberts, N. P., PH.D., C.ENG., F.I.C.E., Civil Engineering

ROBERTS, P. D., PH.D., C.ENG., M.I.E.E., Control Engineering
RUSKELL, G. L., M.SC., PH.D., F.B.O.A., F.S.M.C., Optometry and Visual Science
SLATER, R. A. C., M.SC.TECH., PH.D., C.ENG., F.I.MECH.E., Mechanical Engineering
SMOLIRA, M., PH.D., D.I.C., C.ENG., M.I.C.E., Civil Engineering
STEWARD, E. G., D.SC., PH.D., F.INST.P., Physics
STOPS, D. W., D.I.C., PH.D., C.ENG., A.R.C.S., M.INST.P., M.I.E.E., Physics
TAYLOR, B., B.SC.(Econ.), Portfolio Invest ment
TSEUNG, A. C. C., PH.D., F.R.I.C., F.I.CERAM., A.I.M., F.INST.F., C.ENG., Chemistry
VAHRMAN, M., PH.D., D.SC., F.R.I.C., F.INST.F., Chemistry

UNIVERSITY OF DUNDEE

DUNDEE, DD1 4HN
Telephone: 0382-23181.

Founded 1881 as University College, Dundee; Royal Charter granted in 1967.

Chancellor: The Rt. Hon. the Earl of DALHOUSIE, K.T., G.B.E., M.C., LL.D.
Rector: CLEMENT FREUD, M.P.
Principal and Vice-Chancellor: A. M. NEVILLE, M.C., D.SC., F.I.C.E., F.I.STRUCT.E.
Secretary: R. SEATON, M.A., LL.B.
Librarian: J. R. BARKER, M.A., F.L.A.

Library: *see* Libraries.

Number of full-time teachers: 475 including 55 professors.

Number of students: 3,152 full-time.

Publications: *University Calendar, Prospectus, Contact.*

DEANS:

Faculty of Medicine and Dentistry: Prof. R. G. MITCHELL, M.D., D.CH., F.R.C.P.E.
Faculty of Science: Prof. D. S. JONES, M.B.E., M.A., D.SC., F.I.M.A., F.R.S., F.R.S.E.
Faculty of Law: W. J. KAMBA, LL.M.
Faculty of Engineering and Applied Science: W. MCNICOLL, B.SC., C.ENG., M.I.C.E.
Faculty of Arts and Social Sciences: P. J. PARISH, B.A.
Faculty of Environmental Studies: Prof. J. B. CAIRD, M.A., D. DE L'U.

PROFESSORS:

Faculty of Medicine and Dentistry:
ANDERSON, J. N., M.D.S., Dental Prosthetics
BATCHELOR, I. R. C., C.B.E., M.B., CH.B., D.P.M., F.R.C.P.(E.), F.R.S.(E.), F.R.C.PSYCH., Psychiatry
BECK, J. S., B.SC., M.D., F.R.C.P.(E.), F.R.C.P.(G.), M.R.C.PATH., Pathology
BOUCHIER, I. A. D., M.D., F.R.C.P., F.R.C.P.E., Medicine
CHISHOLM, D. M., PH.D., F.D.S.R.C.P.S., Dental Surgery
COWLEY, G. C., D.D.S., Periodontology, Community Dentistry
CROOKS, J., M.D., F.R.C.P., F.R.C.P.(E.), F.R.C.P.(G.), Pharmacology and Therapeutics
CUSCHIERI, A., M.D., CH.M., F.R.C.S., F.R.C.S.E., Surgery
DICK, D. A. T., M.B., CH.B., M.A., D.PHIL., D.SC., Anatomy
DUGUID, J. P., B.SC., M.D., F.R.C.PATH., Bacteriology
GRIFFITHS, P. D., B.SC., M.D., L.R.C.P., M.R.C.S., M.R.C.PATH., M.B.C.S., Clinical Chemistry
HARDEN, R. M., M.D., M.R.C.P.G., Medical Education
KNOX, J. D. E., M.D., F.R.C.P.(E.), F.R.C.G.P., General Practice
LOWE, K. G., M.D., F.R.C.P., F.R.C.P.(E.), M.R.C.P.(G.), Medicine
MCEWEN, J. D., L.D.S., D.D.O.R.F.P.S.G., Orthodontics, Child Dental Health
MAIR, A., M.D., D.P.H., D.I.H., F.R.C.P.(E.), F.F.C.M., Community and Occupational Medicine
MARTIN, J. H., PH.D., F.INST.P., F.R.S.A., Medical Biophysics
MITCHELL, R. G., M.D., F.R.C.P.E., D.C.H., Child Health
MURDOCH, G., M.B., CH.B., F.R.C.S.E., Orthopaedic and Traumatic Surgery
PARK, W. W., M.D., F.R.C.PATH., Pathology
PETERSEN, O. H., M.D., D.M.SC., Physiology
SYMONS, N. B. B., M.SC., B.D.S., F.F.D.R.C.S.I., F.D.S.R.C.S.E., Dental Surgery
TAYLOR, W., B.SC., M.D., PH.D., F.R.C.P.E., Community and Occupational Medicine
WALKER, J., C.B.E., B.SC., M.D., F.R.C.P.G., F.R.C.O.G., Obstetrics and Gynaecology

Faculty of Science:
BRIMACOMBE, J. S., PH.D., D.SC., F.R.I.C., F.R.S.E., Chemistry
CRACKNELL, A. P., PH.D., Theoretical Physics
DUTTON, G. J. F., PH.D., D.SC., F.R.S.E., Biochemistry
EVERITT, W. N., B.SC., M.A., D.PHIL., F.I.M.A., F.R.S.E., Mathematics
FOSTER, R., M.A., D.PHIL., D.SC., F.R.I.C., F.R.S.E., Physical Organic Chemistry
GARLAND, P. B., M.A., M.B., B.CHIR., PH.D., Biochemistry
JONES, D. S., M.B.E., M.A., D.SC., F.I.M.A., F.R.S.E., F.R.S., Applied Mathematics
LAMBERT, J. D., PH.D., Mathematics
MACDONALD, S. G. G., M.A., PH.D., F.INST.P., F.R.S.E., Physics
MITCHELL, A. R., PH.D., D.SC., F.R.S.E., F.I.M.A., Numerical Analysis
SLEEMAN, B. D., PH.D., D.SC., F.I.M.A., F.R.S.E., Applied Analysis
SPEAR, W. E., PH.D., D.SC., F.INST.P., F.R.S.E., Physics
SPRENT, P., B.SC., PH.D., F.I.M.A., F.R.S.E., Mathematical Statistics
STANDLEY, K. J., M.A., D.PHIL., F.R.S.E., F.INST.P., Physics
STEWART, W. D. P., PH.D., D.SC., F.R.S., F.I.BIOL., F.R.S.E., Biological Sciences

Faculty of Law:
DAINTITH, T. C., M.A., Public Law
GRINYER, S. R., M.SC., F.C.A., Accountancy
MCDONALD, A. J., B.A., LL.B., W.S., Conveyancing
MATHESON, A. A., Q.C., M.A., LL.B., Scots Law
WILKINSON, A. B., M.A., LL.B., Private Law
WILLOCK, I. D., M.A., LL.B., PH.D., Jurisprudence

Faculty of Engineering and Applied Science:
BARR, A. D. S., PH.D., C.ENG., F.I.MECH.E., Mechanical Engineering
CUSENS, A. R., PH.D., C.ENG., F.I.C.E., F.R.S.E., F.I.STRUCT.E., Civil Engineering
MAKIN, B., PH.D., M.I.E.E., C.ENG., Electrical Engineering

Faculty of Arts and Social Sciences:
ADAMS, J. W. L., M.A., Education
BARTLETT, C. J., PH.D., F.R.HIST.S., Modern History
BLAKE, C., M.A., PH.D., Applied Economics
HENDERSON, G. P., M.A., Philosophy
KENNEDY, R. A., B.A., PH.D., Psychology
MAPSTONE, ELISABETH, M.A., Social Administration
NEWTON, K., PH.D., Politics
NORTON-SMITH, J., M.A., B.LITT., English
PARISH, P. J., B.A., Modern Social and Economic History

Faculty of Environmental Studies:
CAIRD, J. B., M.A., D. DE L'U., Geography

UNIVERSITY OF DURHAM

OLD SHIRE HALL, DURHAM,
DH1 3HP.
Telephone: 64466.

Founded 1832.

Chancellor: The Rt. Hon. M. J. MACDONALD, P.C., O.M., M.A.
Vice-Chancellor: (vacant).
Pro-Vice-Chancellors: W. K. R. MUSGRAVE, PH.D., D.SC., J. L. BROOKS, M.A.
Registrar and Secretary: I. E. GRAHAM, M.A.
Librarian: AGNES M. MCAULAY, B.A., F.L.A.

Library: *see* Libraries.

Number of teaching staff: 471, including 48 professors.

Number of students: 4,295.

Publications: *Durham University Journal, Durham University Gazette, Durham Research Review.*

DEANS:

Divinity: Rev. A. GELSTON, M.A.
Arts: Prof. W. P. BRIDGWATER, M.A., B.LITT.
Science: Prof. G. M. BROWN, M.A., D.PHIL., D.SC., F.R.S.E., F.R.S., F.G.S.
Music: B. A. S. PRIMMER, M.A., MUS.B., A.R.C.M., L.T.C.L.
Education: R. F. GOODINGS, M.A.
Social Sciences: J. L. J. MACHIN, M.A., F.C.C.A., A.M.B.I.M.
Law: Prof. F. E. DOWRICK, M.A.

PROFESSORS:

(some professors serve in more than one faculty)

Faculty of Divinity:
BARRETT, Rev. C. K., M.A., D.D., F.B.A.
JONES, Rev. Canon D. R., M.A.
SYKES, Rev. Canon S. W., M.A.

Faculty of Arts:
BRIDGWATER, W. P., M.A., B.LITT., German
BROOKS, J. L., M.A., Spanish
CRAIK, T. W., M.A., PH.D., English
FLETCHER, D. J., French
GRANT, C. K., M.A., D.PHIL., Philosophy
HARRIS, J. R., M.A., D.PHIL., Egyptology
HARVEY, P. D. A., M.A., D.PHIL., Medieval History
JONES, C., M.A., B.LITT., English Language
MOSSOP, D. J., M.A., DOCT. D'UNIV., Modern French Literature

STOKES, M. C., M.A., Greek
TOWNEND, G. B., M.A., Latin
WARD, W. R., M.A., D.PHIL., Modern History
WATSON, J. R., M.A., PH.D., English

Faculty of Social Sciences:
ABRAMS, P., M.A., PH.D., Sociology
CRAMP, ROSEMARY J., M.A., B.LITT., F.S.A., F.R.HIST.S., Archaeology
CREEDY, J., B.SC., B.PHIL., Economics
KAIM-CAUDLE, B.SC.(ECON.), BAR.-AT-LAW, Social Administration
MILNE, A. J. M., PH.D., Political Theory and Institutions
O'BRIEN, D. P., B.SC.(ECON.), PH.D., Economics
SPOONER, F. C., M.A., PH.D., Economic History
SUNDERLAND, E., M.A., PH.D., Anthropology

Faculty of Science:
BARKER, D., M.A., D.PHIL., D.SC., Zoology
BOTT, M. H. P., M.A., PH.D., F.R.S., F.G.S., F.R.A.S., Geophysics
BOULTER, D., M.A., D.PHIL., Botany
BOWEN-JONES, H., M.A., Geography
BRANSDEN, B. H., PH.D., F.INST.P., Theoretical Physics
BROWN, G. M., M.A., D.PHIL., D.SC., F.R.S.E., F.R.S., F.G.S., Geology
CHAMBERS, R. D., PH.D., D.SC., Organic Chemistry
CLARKE, J. I., M.A., PH.D., Geography
FISHER, W. B., D.D'UNIV., F.R.A.I., Geography
HIGGINS, P. J., M.A., PH.D., Pure Mathematics
HIGGINSON, G. R., PH.D., M.I.MECH.E., M.I.C.E., C.ENG., Engineering Science
MARSH, H., S.M., M.A., PH.D., C.ENG., F.I.MECH.E., Engineering Science
MORGAN, M. J., M.A., PH.D., Psychology
MUSGRAVE, W. K. R., PH.D., D.SC., Organic Chemistry
RICHARDSON, R. W., PH.D., Pure Mathematics
ROBERTS, G. G., PH.D., D.SC., F.INST.P., Applied Physics
SQUIRES, E. J., PH.D., F.INST.P., Applied Mathematics
WADDINGTON, T. C., M.A., PH.D., Inorganic Chemistry
WILLMORE, T. J., M.SC., PH.D., D.SC., F.I.M.A., Pure Mathematics
WOLFENDALE, A. W., PH.D., D.SC., F.INST.P., F.R.A.S., F.R.S., Physics

Faculty of Music:
TAYLOR, E. R., M.A., D.MUS., A.R.C.O.

Faculty of Education:
BATHO, G. R., M.A., F.R.HIST.S.

Faculty of Law:
DOWRICK, F. E., M.A., BAR.-AT-LAW
SMYTHE, B., LL.B., BAR.-AT-LAW

University Business School:
BAKER, H. C., B.SC., M.A., F.B.I.M., Business Studies

READERS:

Faculty of Divinity:
BONNER, G., M.A., Church History
CRANFIELD, Rev. C. E. B., M.A., Theology
PARKER, Rev. T. H. L., M.A., D.D., Theology

Faculty of Arts:
DOYLE, A. I., M.A., PH.D., Bibliography
FAGG, J. E., M.A., Palaeography and Diplomatic
FITZPATRICK, P. J., PH.D., S.T.L., Philosophy
HARRISON, W., M.A., Russian
JAMES, M. E., M.A., History
KUHN, K. H., PH.D., Coptic
LOADES, D. M., M.A., PH.D., History
MACPHERSON, I. R., M.A., PH.D., Spanish
MORRALL, E. J., M.A., PH.D., Medieval German Literature
SMEED, J. W., M.A., PH.D., Modern German Literature
THOMAS, J. D., M.A., PH.D., Papyrology
WILSON, D. B., M.A., D.D'UNIV., French

Faculty of Social Sciences:
BROWN, R. K., B.A., Sociology
CHAPMAN, R. A., M.A., PH.D., M.B.I.M., Politics
LONG, N. E., B.A., PH.D., Anthropology

Faculty of Science:
ATTEWELL, P. B., PH.D., C.ENG., M.I.C.E., M.I.M.M., F.G.S., Engineering Geology
BESAG, J. E., B.SC., Mathematical Statistics
BOWLER, K., PH.D., Animal Physiology
CLARK, D. T., PH.D., Organic Chemistry
COULSON, J. C., PH.D., D.SC., Animal Ecology
DAVIES, L., PH.D., Entomology
DEWDNEY, J. C., M.A., Geography
FAIRLIE, D. B., PH.D., Applied Mathematics
GRANGER, G. W., PH.D., Psychology
KOHNSTAM, G., PH.D., Physical Chemistry
MAJOR, J. V., PH.D., F.INST.P., Physics
MARTIN, A. D., PH.D., Theoretical Physics
RHIND, D. W., PH.D., Geography
SALTHOUSE, E. C., PH.D., C.ENG., M.I.E.E., Electrical Engineering Science
SMITH, R. A., M.A., PH.D., Mathematics
WADE, K., PH.D., D.SC., Chemistry
WOODS, J., PH.D., F.INST.P., Applied Physics

COLLEGES:

University Office: Old Shire Hall, Durham, DH1 3HP.
Warden: (vacant).

University College: f. 1833.
Master: D. W. MACDOWALL, M.A., D.PHIL., F.S.A., F.R.A.S.

Hatfield College: f. 1846.
Master: T. WHITWORTH, M.A., D.PHIL., F.G.S.

Grey College: f. 1959.
Master: S. HOLGATE, M.A., PH.D.

Van Mildert College: f. 1963.
Master: P. W. KENT, J.P., M.A., PH.D., D.PHIL., D.SC., D.LITT., F.R.I.C.

Collingwood College: f. 1972.
Master: J. A. TUCK, M.A., PH.D.

St. Chad's College: f. 1904.
Principal: Rev. R. C. TROUNSON, M.A.

St. John's College: f. 1909.
Principal: Miss D. R. ETCHELLS.

College of St. Hild and St. Bede: f. 1975.
Principal: Prof. J. V. ARMITAGE, PH.D.

Ushaw College: f. 1808.
President: Rt. Rev. P. M. COOKSON, S.T.D., L.S.S.

St. Cuthbert's Society: f. 1871; known as non-Collegiate until 1947.
Principal: Prof. J. L. BROOKS, M.A.

St. Mary's College: f. 1899.
Principal: JOAN M. KENWORTHY, M.A., B.LITT.

St. Aidan's College: f. 1895; known as Home Students until 1947, and St. Aidan's Society until 1961.
Principal: IRENE HINDMARSH, J.P., M.A.

Trevelyan College: f. 1965.
Principal: JOAN C. BERNARD, M.A., B.D., F.K.C.

The Graduate Society: f. 1965.
Principal: Prof. W. B. FISHER, DOCT. D'UNIV., F.R.A.I.

AFFILIATED COLLEGE:

Codrington College: Barbados, British West Indies.

UNIVERSITY OF EAST ANGLIA

NORWICH, NR4 7TJ
Telephone: 0603 56161.
Founded 1961.

Chancellor: The Rt. Hon. the Lord FRANKS OF HEADINGTON, G.C.M.G., K.C.B., C.B.E., P.C., M.A., F.B.A.

Vice-Chancellor: F. THISTLETHWAITE, M.A., L.H.D., F.R.HIST.S.

Pro-Vice-Chancellors: Prof. J. W. J. FLETCHER, M.A., Prof. M. J. FRAZER, PH.D.

Registrar and Secretary: G. A. CHADWICK, B.SC.

Librarian: W. L. GUTTSMAN, M.SC. (ECON.).

Number of teachers: 360.
Number of students: 3,837.

Publications: *The University of East Anglia Prospectus, Calendar, Vice-Chancellor's Annual Report.*

DEANS:

School of English and American Studies: Prof. J. B. BROADBENT, M.A., PH.D.
School of Environmental Sciences: Prof. J. R. TARRANT, PH.D.
School of European Studies: Prof. H. T. MASON, D.PHIL.
School of Fine Arts and Music: J. B. WEBB, M.A., MUS.B.
School of Social Studies: Prof. R. A. CHURCH, PH.D., F.R.HIST.S.
School of Biological Sciences: Prof. A. F. G. DIXON, D.PHIL.
School of Chemical Sciences: Prof. A. R. KATRITZKY, M.A., D.PHIL., PH.D., SC.D., C.CHEM., F.R.I.C.
School of Mathematics and Physics: Prof. N. RILEY, PH.D., F.I.M.A.
School of Computing Studies: Prof. R. J. W. HOUSDEN, M.A., PH.D., F.I.M.A., F.B.C.S.
School of Development Studies: P. R. BAKER, PH.D.
School of Law: Prof. D. J. BENTLEY, B.C.L., M.A.

PROFESSORS:

ALLEN, H. C., M.C., M.A., F.R.HIST.S., American History

ALMANSI, G., M.A., Comparative Literature
ASHTON, R., PH.D., F.R.HIST.S., English History
ASTON, P. G., D.PHIL., Music
BENTLEY, D., B.C.L., M.A., Law
BRADBURY, M. S., PH.D., American Literature
BROADBENT, J. B., M.A., PH.D., English Literature
BROOKE, N. S., M.A., English Literature
CHADWICK, P., PH.D., SC.D., F.R.S., Mathematics
CHURCH, R. A., PH.D., F.R.HIST.S., Economic History
CLAYTON, K. M., M.SC., PH.D., Environmental Sciences
CUSACK, N. E., PH.D., F.INST.P., Physics
DAVIES, D. D., PH.D., Biology
DAVIES, D. R., PH.D., Applied Genetics
DIXON, A. F. G., D.PHIL., Biology
DUNCAN, G. C., D.PHIL., Politics
EMERSON, A. R., PH.D., Sociology
FLETCHER, J. W. J., M.A., DR. TROIS. CYCLE, Comparative Literature
FOLKES, B. F., PH.D., Biology
FRANK, A. G., Development Studies
FRAZER, M. J., PH.D., Chemical Education
FUNNELL, B. M., M.A., PH.D., Environmental Sciences
GLAUERT, M. B., M.A., D.SC., D.I.C., F.I.M.A., Mathematics
GRICE, G. R., M.A., PH.D., Philosophy
HILL, T. P., M.A., Economics
HOPWOOD, D. A., M.A., PH.D., Genetics
HOUSDEN, R. J. W., M.A., PH.D., Computing Studies
JONES, J. R., M.A., PH.D., English History
KATRITZKY, A. R., M.A., D.PHIL., Chemistry
KETTLE, S. F. A., PH.D., Inorganic and Theoretical Chemistry
LAMB, H. H., M.A., Climatic Research
LIVINGSTONE, I., Development Studies
MCFARLANE, J. W., M.A., European Literature
MARKHAM, R., M.A., PH.D., F.R.S., Virus Biochemistry and Biophysics
MARTINDALE, A. H. R., M.A., F.S.A., Art History
MASON, H. T., A.M., D.PHIL., European Literature
MOSSE, W. E., M.A., PH.D., European History
OSBORNE, D. V., M.A., PH.D., F.R.S.E., Physics
RILEY, N., PH.D., F.I.M.A., Applied Mathematics
ROJAS, E. E., M.PHIL., PH.D., Biophysics
ROWLEY, B. A., M.A., PH.D., European Literature
SHEPPARD, N., M.A., PH.D., F.R.S., Chemistry
STOCKER, P. M., M.SC., F.I.M.A., F.B.C.S., Computing Studies
TEICHOVA, Mrs. ALICE, PH.D., C.ÈS C., Economic History
VINE, F. J., PH.D., F.R.S., Environmental Sciences
YOUNG, A., M.A., PH.D., Environmental Sciences
YOUNG, W. H., PH.D., F.INST.P., Theoretical Physics

READERS:

School of Biological Sciences:
CLARKE, C. H., PH.D.
GREENWOOD, C., PH.D.
HEWITT, G. M., PH.D.
SHELTON, G., M.A., PH.D.
SIMS, A. P., PH.D.

School of Chemical Sciences:
HARRIS, R. K., M.A., PH.D.
MCKILLOP, A., PH.D.
WILKINSON, F., PH.D., M.A.

School of Computing Studies:
FORREST, A. R., PH.D.

School of English and American Studies:
BIGSBY, C. W. E., M.A., PH.D.
CLARKE, C. C., M.A.
HASSELL SMITH, A.
KENNEDY, P. M., D.PHIL., F.R.HIST.S.
SHANNON, R T., M.A., PH.D.
THOMPSON, R. F.

School of Environmental Sciences:
BOULTON, G. S., PH.D.
LISS, P. S.
MCCAVE, I. N., M.A., PH.D.
O'RIORDAN, T., M.A., M.S., PH.D.

School of European Studies:
CROSS, A. G., M.A., PH.D., A.M.

School of Mathematics and Physics:
MORLAND, L. W., PH.D., F.I.M.A.
REEVE, J. E., M.SC.
WEST, R. N., PH.D., F.INST.P.

School of Social Studies:
PARIKH, A., L.M.COM., M.SC.
SCOTT-TAGGART, M. J., M.A.

ASSOCIATED RESEARCH INSTITUTES:

Explosives Research and Development Establishment (Ministry of Technology): Powdermill Lane, Waltham Abbey, Essex; Dir. L. J. BELLAMY, PH.D., F.C.S.

Fisheries Laboratory (Ministry of Agriculture, Fisheries and Food): Pakefield Rd., Lowestoft; Dir. Prof. D. J. LEE, D.SC., M.A.

Food Research Institute (Agricultural Research Council): Colney Lane, Norwich, NR4 7UA; Dir. Prof. S. R. ELSDEN, PH.D., F.R.S.

John Innes Institute: Colney Lane, Norwich, NR4 7UH; Dir. Prof. R. MARKHAM, M.A., PH.D., F.R.S.

Institute of Terrestrial Ecology: Colney Lane, Norwich, NR4 7UD; Dir. D. S. RANWELL, PH.D.

Norfolk and Norwich Institute for Medical Education: Norfolk and Norwich Hospital, Norwich, NR1 3SR.

UNIVERSITY OF EDINBURGH

EDINBURGH, EH8 9YL
Telephone: 031-667-1011.
Founded 1583.

Private control; Academic year: October 1st to September 30th.

Chancellor: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., K.T., P.C., O.M., G.B.E., LL.D., F.R.S.
Vice-Chancellor and Principal: Prof. BERRICK SAUL, PH.D. (acting).
Rector: MAGNUS MAGNUSSON, M.A.
Secretary: A. M. CURRIE, B.A., B.LITT.
Librarian: E. R. S. FIFOOT, M.C., M.A., A.L.A.

Library: *see* Libraries.

Number of teaching staff: 1,400, including 150 professors.

Number of students: 11,107 men and women.

Publication: *Edinburgh University Calendar.*

DEANS:

Faculty of Divinity: Rev. A. C. ROSS, M.A., B.D., S.T.M., PH.D.
Faculty of Law: Prof. W. A. WILSON, M.A., LL.B.
Faculty of Medicine: Prof. R. H. GIRDWOOD, M.D., PH.D., F.R.C.P., F.R.C.P.E., F.R.C.PATH.
Faculty of Arts: Prof. C. P. BRAND, M.A., PH.D.
Faculty of Science: Prof. W. COCHRAN, PH.D., M.A., F.R.S., F.R.S.E.
Faculty of Music: Prof. K. LEIGHTON, M.A., D.MUS., L.R.A.M.
Faculty of Social Sciences: Prof. I. G. STEWART, M.A.
Faculty of Veterinary Medicine: Prof. I. S. BEATTIE, B.SC., M.R.C.V.S.

PROFESSORS:

Faculty of Divinity:
ANDERSON, G. W., M.A., D.D., TEOL.D., F.B.A., F.R.S.E., Hebrew and Old Testament Studies
ANDERSON, H., M.A., PH.D., D.D., New Testament Language, Literature and Theology
CHEYNE, A. C., M.A., B.LITT., B.D., Ecclesiastical History
FORRESTER, D. B., M.A., D.PHIL., Christian Ethics and Practical Theology
MCINTYRE, The Very Rev. J., M.A., B.D., D.LITT., D.D., F.R.S.E., Divinity
TORRANCE, The Very Rev. T. F., M.B.E., M.A., D.LITT., D.THEOL., DR.TEOL., D.D., Christian Dogmatics

Faculty of Law:
BRADLEY, A. W., M.A., LL.B., Constitutional Law
CLIVE, E. M., M.A., LL.M., S.J.D., Scots Law
MCCLINTOCK, F. H., B.SC., M.A., Criminology
MACCORMICK, D. N., M.A., Public Law
MACGIBBON, I. C., M.A., LL.B., PH.D., Public International Law
NOBLE, I. W., M.A., LL.B., W.S., Conveyancing
WATSON, W. A. J., M.A., LL.B., D.PHIL., D.C.L., Civil Law
WILSON, W. A., M.A., LL.B., Scots Law

Faculty of Medicine:
AITKEN, R. C. B., M.D., F.R.C.P.E., F.R.C.PSYCH., Rehabilitation Studies
BAIRD, D. T., B.A., M.B., CH.B., D.SC., F.R.C.P.E., F.R.C.O.G., Obstetrics and Gynaecology
BOYD, G. S., PH.D., F.R.I.C., F.R.S.E., Biochemistry
BROTHERSTON, Sir JOHN, M.A., M.D., DR.P.H., D.P.H., F.R.C.P.E., F.R.C.P.G., F.F.C.M., F.R.S.H., F.R.S.E., Community Medicine
CHARLTON, G., M.D.S., Conservative Dentistry
CHISHOLM, G. D., CH.M., F.R.C.S., F.R.C.S.E., Surgery
COLLEE, J. G., M.D., F.R.C.PATH., Bacteriology
CURRIE, A. R., B.SC., M.B., CH.B., F.R.C.P., F.R.C.S.E., F.R.C.PATH., F.R.S.E., Pathology
DUNCAN, W., M.B., CH.B., F.R.C.P.E., F.R.C.S.E., F.R.C.R., Radiotherapy
EMERY, A. E. H., M.D., PH.D., D.SC., F.R.C.P.E., M.F.C.M., F.R.S.E., Human Genetics
FARQUHAR, J., M.D., Child Life and Health

FLENLEY, D. C., B.SC., M.B., CH.B., PH.D., F.R.C.P.E., F.R.C.P., Respiratory Diseases
FORFAR, J. O., M.C., B.SC., M.D., F.R.C.P.E., F.R.C.P., F.R.S.E., D.C.H., Child Life and Health
FORREST, A. P. M. B.SC., M.D., CH.M., F.R.C.S.E., F.R.C.S., F.R.C.S.G., F.R.S.E., Clinical Sirgery
GILLINGHAM, F. J., M.B.E., M.B., B.S., F.R.C.S., F.R.C.S.E., F.R.C.P.E., F.R.S.E., Surgical Neurology
GINSBORG, B. L., PH.D., F.R.S.E., Pharmacology
GIRDWOOD, R. H., M.D., PH.D., F.R.C.P., F.R.C.P.E., F.R.C.PATH., F.R.S.E., Therapeutics
GREENING, J. R., D.SC., PH.D., F.INST.P., F.R.S.E., Medical Physics
HARE, P. J., M.D., F.R.C.P., F.R.C.P.E., Dermatology
HORTON, E. W., B.SC., M.B., CH.B., PH.D., D.SC., F.R.C.P.E., Pharmacology
JAMES, J. I. P., M.B., M.S., F.R.C.S., Orthopaedic Surgery
KENDELL, R. E., M.A., M.D., F.R.C.P., M.R.C.PSYCH., Psychiatry
MacLENNAN, W. D., F.R.C.S., F.D.S., H.D.D., L.D.S., Oral Surgery
MACRAE, A. K. M., M.B., CH.B., F.R.C.P.E., F.R.C.P.G., F.R.C.PSYCH., DIP.PSYCH., Forensic Psychiatry
MASON, J. K., C.B.E., M.D., D.C.P., D.M.J., F.R.C.PATH., D.T.M. & H., Forensic Medicine
OLIVER, M. F., M.D., F.R.C.P., F.R.C.P.E., Cardiology
OSWALD, I., M.A., D.SC., D.P.M., Psychiatry
PHILIPS, C. I., M.D., PH.D., M.SC., D.P.H., F.R.C.S.E., F.R.C.S., D.O., Ophthalmology
ROBERTSON, J. D., M.D., F.R.C.P.E., F.R.C.S.E., F.F.A.R.C.S., D.A., Anaesthetics
ROBSON, J. S., M.D., F.R.C.P.R., F.R.C.P., Medicine
ROMANES, G. J., C.B.E., B.A., PH.D., M.B., CH.B., F.R.C.S.E., F.R.S.E., Anatomy
SCOTT, R., M.D., D.P.H., F.R.C.G.P., M.R.C.P.E., M.C.F.P.CAN., General Practice
SOUTHAM, J. C., M.A., M.B., B.CHIR., B.CH.D., M.R.C.PATH., Oral Medicine and Oral Pathology
STRONG, J. A., C.B.E., M.A., M.D., F.R.C.P., F.R.C.P.E., Medicine
SUTCLIFFE, P., M.CH.D., PH.D., Preventive Dentistry
WALTON, H. J., M.D., PH.D., F.R.C.P.E., F.R.C.PSYCH., D.P.M., Psychiatry
WATSON, W. E., M.D., B.S., D.PHIL., M.R.C.P., F.R.C.S., Physiology
WATT, D. M., PH.D., F.D.S., H.D.D., L.D.S., Restorative Dentistry
WHITBY, L. G., M.A., PH.D., M.D., F.R.C.P., F.R.C.P.E., F.R.C.PATH., F.R.S.E., Clinical Chemistry
WILLIAMSON, J., M.B., CH.B., F.R.C.P.E., Geriatric Medicine

Faculty of Arts:

ABERCROMBIE, D., B.A., Phonetics
ASHER, R. E., PH.D., Linguistics
BARBIER, C. P., M.A., French
BEATTIE, A. J., M.A., F.R.S.E., Greek
BRAND, C. P., M.A., PH.D., Italian
CAMPBELL, I. M., M.A., Humanity
CORDER, S. P., B.A., Applied Linguistics
DONALDSON, G., M.A., PH.D., D.LITT., F.B.A., F.R.S.E., Scottish History and Palaeography
ELWELL-SUTTON, L. P., B.A., Persian
FIELDING, K. J., M.A., D.PHIL., English Literature
FOWLER, A. D. S., M.A., D.PHIL., D.LITT., F.B.A., English Literature
FOWLER, K. A., PH.D., F.R.HIST.S., Medieval History
FURNESS, N. A., DR.PHIL., German
HARDING, D. W., M.A., D.PHIL., Archaeology
HAY, D., M.A., D.LITT., F.B.A., F.R.S.E., Medieval History
HEPBURN, R. W., M.A., PH.D., Moral Philosophy
JACKSON, K. H., M.A., A.M., LITT.D., D.LITT.CELT., F.B.A., D.UNIV., Celtic Languages, Literature, History and Antiquities
LARKIN, M. J. M., M.A., PH.D., History
McINTOSH, A., M.A., A.M., D.PHIL., F.R.S.E., English Language
McMILLAN, D., PH.D., DIP.DE L'E.H.E., Romance Linguistics
MacQUEEN, J., M.A., Scottish Literature and Oral Tradition
RILEY, E. C., M.A., Spanish
ROBERTSON, G. H., M.A., Fine Art
ROBSON, W. W., M.A., English Literature
SALMON, P. B., M.A., PH.D., German
SHEPPERSON, G. A., M.A., Commonwealth and American History
STEELE, A. J., M.A., French Literature
WALSH, W. H., M.A., F.B.A., Logic and Metaphysics
WARD, D., M.A., Russian
WATT, W. M., M.A., PH.D., D.D., B.LITT., Arabic

Faculty of Science:

BEALE, G. H., M.B.E., PH.D., F.R.S., F.R.S.E., Genetics
BONSALL, F. F., M.A., D.SC., F.R.S.E., F.R.S., Mathematics
BURSTALL, R. M., M.SC., PH.D., Artificial Intelligence
CADOGAN, J. I. G., PH.D., D.SC., C.CHEM., F.R.I.C., F.R.S.E., F.R.S., Organic Chemistry
CALDERBANK, P. H., D.SC., PH.D., F.R.S.E., F.I.CHEM.E., C.ENG., Chemical Engineering
COCHRAN, W., PH.D., M.A., F.R.S., F.R.S.E., Natural Philosophy
COLLINS, J. H., M.SC., C.ENG., F.I.E.E., F.INST.P., F.I.E.R.E., S.M.I.E.E.E., Electrical Engineering
COWLEY, R. A., M.A., PH.D., F.R.S.E., F.R.S., Physics
CRAIG, G. Y., PH.D., F.R.S.E., Geology
CREER, K. M., M.A., PH.D., SC.D., F.R.A.S., Geophysics
EBSWORTH, E. A. V., SC.D., M.A., PH.D., C.CHEM., F.R.I.C., F.R.S.E., Chemistry
FALCONER, D. S., PH.D., SC.D., F.R.S.E., F.R.S., Genetics
FARAGO, P. S., M.A., DR.PHIL., F.INST.P., F.R.S.E., Physics
FINCHAM, J. R. S., PH.D., SC.D., F.R.S., Genetics
FINNEY, D. J., C.B.E., M.A., SC.D., F.R.S., F.R.S.E., Statistics
FORBES, E. G., PH.D., History of Science
HENDRY, A. W., PH.D., D.SC., F.I.C.E., F.I.STRUCT.E., F.R.S.E., Civil Engineering
JARVIS, P. G., M.A., PH.D., D.PHIL., Forestry and Natural Resources
KEMBALL, C., M.A., SC.D., C.CHEM., F.R.I.C., M.R.I.A., F.R.S.E., F.R.S., Chemistry
KEMMER, N., M.A., DR.PHIL., F.R.S., F.R.S.E., Mathematical Physics
KING, J. L., M.A., PH.D., F.I.M.A., Mechanical Engineering
KNOX, J. H., C.C., PH.D., D.SC., F.R.I.C., C.CHEM., F.R.S.E., Physical Chemistry
MACKIE, A. G., M.A., PH.D., F.R.S.E., Applied Mathematics
MANNING, A. W. G., D.PHIL., F.R.S.E., Natural History
MELTZER, B., PH.D., F.R.S.E., Computational Logic
MICHAELSON, S., B.SC., A.R.C.S., F.I.M.A., F.R.S.E., Computer Science
MICHIE, D., M.A., D.PHIL., D.SC., F.Z.S., F.R.S.E., F.B.C.S., Machine Intelligence
MITCHISON, J. M., SC.D., F.R.S.E., F.R.S., F.I.BIOL., Zoology
MURRAY, K., PH.D., Molecular Biology
RASBASH, D. J., PH.D., A.R.C.S., D.I.C., F.I.CHEM.E., F.I.FIRE.E., C.ENG., Fire Engineering
REDDISH, V. C., O.B.E., PH.D., D.SC., F.R.S.E., Astronomy
ROBERTSON, N. F., C.B.E., M.A., PH.D., F.R.S.E., Agriculture and Rural Economy
STEWART, Sir FREDERICK, PH.D., D.SC., F.R.S.E., F.R.S., Geology
TAYLOR, C. G., C.B.E., E.D., PH.D., F.R.S.E., F.I.FOR., Forestry and Natural Resources
WILKINSON, J. F., M.A., PH.D., Microbiology
YEOMAN, M. M., PH.D., Botany

Faculty of Music:

LEIGHTON, K., M.A., D.MUS., L.R.A.M., Music
TILMOUTH, M., M.A., PH.D., Music

Faculty of Social Sciences:

ALTSCHUL, Miss A. T., B.A., M.SC., S.R.N., R.M.N., R.N.T., Nursing Studies
BEHREND, Miss HILDE, B.SC.(ECON.), PH.D., Industrial Relations
BURNS, T., B.A., Sociology
COKE, S., M.A., International Business
COPPOCK, J. T., M.A., PH.D., F.B.A., F.R.S.E., Geography
ENTWISTLE, N. J., PH.D., Education
ERICKSON, J., M.A., Politics
HUNT, N. C., C.B.E., PH.D., Business Studies
JOHNSON-MARSHALL, P. E. A., C.M.G., M.A., R.I.B.A., F.R.T.P.I., DIST.T.P., Urban Design and Regional Planning
LEE, T. A., M.SC., C.A., A.T.I.I., Accountancy and Finance
LITTLEJOHN, J., A.P.D.A., PH.D., Social Anthropology
MITCHELL, J. D. B., C.B.E., LL.B., PH.D., LL.D., European Institutions
ODDIE, G. B., B.ARCH., R.I.B.A., F.R.I.A.S., DIP.T.P., Architecture
POGGI, G., M.A., PH.D., Sociology
SMOUT, T. C., M.A., PH.D., Economic History
STEWART, I. G., M.A., Economics
VANDOME, P., M.A., Econometrics
VOWLES, D. M., M.A., B.SC., D.PHIL., Psychology
WATSON, J. W., M.A., PH.D., F.R.S.C., F.R.S.E., Geography
WILLIAMS, H. P., M.A., PH.D., Management Science
WILSON, C. B., PH.D., Architectural Science
WOLFE, J. N., M.A., B.LITT., Economics

Faculty of Veterinary Medicine:

ALEXANDER, F., D.SC., PH.D., M.R.C.V.S., F.R.S.E., Veterinary Pharmacology
BAXTER, J. T., M.A., PH.D., M.R.C.V.S., F.I.BIOL., Veterinary Medicine
BROCKLESBY, D. W., PH.D., Tropical Animal Health
BUXTON, A., PH.D., F.R.C.V.S., F.R.S.E., Veterinary Pathology
CAMPBELL, J. R., PH.D., Veterinary Surgery
DYCE, K. M., D.V.M. & S., M.R.C.V.S., Veterinary Anatomy

Ferguson, G. S., T.D., M.R.C.V.S., D.V.S.M., Animal Health
Iggo, A., M.AGRIC.SC., D.SC., PH.D., F.R.S.E., F.R.S., Veterinary Physiology
Prescott, J., PH.D., Animal Production

Constituent College:

New College: f. 1846.
Principal: Rev. A. C. Ross, M.A., B.D., S.T.M., PH.D.

Attached Institute:

Institute for Advanced Studies in the Humanities: 17 Buccleuch Place, Edinburgh, EH8 9LN; Dir. Prof. William Beattie, C.B.E., M.A., LL.D., LITT.D.

Associated Institutions:

Centre of Rural Economy.

East of Scotland College: *see* under Colleges.

UNIVERSITY OF ESSEX

WIVENHOE PARK,
COLCHESTER, CO4 3SQ
Telephone: 0206-44144.
Founded 1961.

Chancellor: Lord Butler of Saffron Walden, K.G., C.H., M.A., D.C.L., LL.D., D.U., LITT.D., D.L.
Pro-Chancellor and Chairman of Council: J. F. Crittall, M.A., D.L., J.P.
Pro-Chancellor: Col. Sir John Ruggles-Brise, Bt., C.B., O.B.E., T.D., J.P.
Vice-Chancellor: A. E. Sloman, M.A., D.PHIL., D.U.
Pro-Vice-Chancellor (Academic): Prof. C. Hart, PH.D.
Pro-Vice-Chancellor (Services): Prof. R. A. Brooker, M.A.
Pro-Vice-Chancellor (Social): Prof. A. Spicer, B.A., L. ÈS L.
Registrar: G. E. Chandler, B.A.
Librarian: (vacant).

Number of teaching staff: *c.* 260.
Number of students: *c.* 2,600.

Publications: *Calendar*† (annual), *Prospectus*† (annual), *Vice-Chancellor's Report*† (annual), *Graduate Studies*† (annual).

Deans:

School of Comparative Studies: J. G. Brotherston, PH.D.
School of Mathematical Studies: Prof C. G. Broyden, B.SC.
School of Physical Sciences: Prof. J. A. Turner, M.SC., PH.D.
School of Social Studies: R. A. Sinfield, B.A.
Dean of Students: T. Puttfarken, PH.D.

Professors:

Ashworth, J. M., Biology
Bergstrom, A. R., Economics
Blondel, J. F. P. Government
Bowden, K. F., Computer Science
Bradley, J. N., Chemistry
Brooker, R. A., Computing Science
Broyden, C. G., Computer Science
Budge, I., Government
Cattermole, K. W., Telecommunication Systems
Chaplin, G. B. B., Electrical Engineering Science
Cioffi, F., Philosophy
Cohen, S., Sociology
Gaines, B. R., Electrical Engineering Science
Gordon, M., Chemistry
Gray, T. R. G., Biology
Hart, C., Literature
Hammond, P. J., Economics
King, A., Government
Lockwood, D., Sociology
Loudon, R., Physics
Pearson, G., Literature
Podro, M. I., Art
Proudman, I., Mathematics
Rykwert, J., Art
Särlvik, B. H., Government
Spicer, A., Language and Linguistics
Tatham, M. A. A., Language and Linguistics
Terry, A. H., Literature
Townsend, P. B., Sociology
Turner, J. A., Electrical Engineering Science
Winsten, C. B., Mathematics
Woolf, S. J., History

Readers:

Atkin, R. H., Mathematics
Barber, D. J., Physics
Barker, A., Government
Bowden, K., Chemistry
Brotherston, J. G., Literature
Bullen, G. J., Chemistry
Collier, S. D. W., History
Edwards, M., Literature
Farlie, D. J. G., Mathematics
Mackinnon, L., Physics
Marsden, D., Sociology
O'Toole, L. M., Language and Linguistics
Puttfarken, T., Art
Ridley, B. K., Physics
Rudd, E., Sociology
Thompson, P. R., Sociology
Tillett, J. G., Chemistry
Wexler, P. J., Language and Linguistics
Wickens, M. R., Economics
Wilks, Y., Language and Linguistics

UNIVERSITY OF EXETER

EXETER, EX4 4QJ
Telephone: 77911.
University College 1922,
University 1955.

Chancellor: The Rt. Hon. The Viscount Amory, K.G., P.C., G.C.M.G., T.D., D.L., M.A.
Vice-Chancellor: Prof. H. Kay, M.A., PH.D.
Academic Registrar and Secretary: K. T. Nash, M.A.
Librarian: J. F. Stirling, J.P., M.A.
Library: *see* Libraries.

Number of teachers: 487 full-time, including 50 professors.

Number of students: approx. 5,000 men and women.

Publications: *Annual Report, Calendar, Prospectus, Graduate Prospectuses, Scholarship Pamphlet* (annual), *Gazette* (termly), *Newsletter* (2 a term).

Deans:

Faculty of Arts: Prof. D. J. O'Connor, M.A., PH.D.
Faculty of Law: Prof. D. Lasok, L. EN DR., LL.M., PH.D., DR.JURIS.
Faculty of Science: Prof. J. R. Ashford, M.A., PH.D.
Faculty of Applied Science: Prof. H. G. Edmunds, PH.D., F.I.MECH.E.
Faculty of Education: Prof. T. F. Daveney, B.A.
Faculty of Social Studies: Prof. G. D. Mitchell, M.B.E., B.SC.(ECON.), F.R.A.I.

Professors and
Heads of Departments:

Faculty of Arts:
Doe, P. M., M.A., Music
Evans, M., PH.D., English
Flower, J. E., M.A., PH.D., French
Fox, J. H., D. DE L'U., French
Holdsworth, C. J., M.A., PH.D., F.R.HIST.S., Medieval History
O'Connor, D. J., M.A., PH.D., Philosophy
Porter, Rev. Canon J. R., M.A., Theology
Ravenhill, W. L. D., M.A., PH.D., Human and Regional Geography
Richards, D. J., M.A., B.LITT., Russian
Roots, I. A., M.A., F.R.HIST.S., History
Salgado, G., PH.D., English Literature
Shaban, M. A., A.M., PH.D., Arabic and Islamic Studies
Straw, A., PH.D., Geography
Thomson, P. W., M.A., Drama
Whinnom, K., M.A., Spanish
Wiseman, T. P., M.A., D.PHIL., Classics
Yates, W. E., M.A., PH.D., German
Youings, Miss J. A., PH.D., F.R.HIST.S., English Social History

Faculty of Science:
Abel, E. W., PH.D., D.SC., F.R.I.C., Inorganic Chemistry
Ashford, J. R., M.A., PH.D., Mathematical Statistics and Operational Research
Bishop, E., D.SC., F.R.I.C., Analytical Chemistry
Campbell, J. A., M.SC., M.A., M.S., D.PHIL., Computer Science
Davies, D. R., PH.D., D.SC., Applied Mathematics
Fowler, G. N., PH.D., F.INST.P., Theoretical Physics
Leadbetter, A. J., PH.D., D.SC., Physical Chemistry
Murray, J. W., PH.D., A.R.C.S., D.I.C., F.G.S., Geology
Nichols, D., M.A., D.PHIL., Biological Sciences
Rees, D., M.A., SC.D., F.R.S., Pure Mathematics
Reid, R. L., M.A., F.B.PS.S., Psychology
Schofield, K., PH.D., D.SC., Organic Chemistry
Webster, J., PH.D., D.SC., Biological Sciences
Wyatt, A. F. G., D.PHIL., Physics

Faculty of Applied Science:
Edmunds, H. G., PH.D., F.I.MECH.E., Engineering Science

Faculty of Social Studies:
Beynon, V. H., B.SC., Agricultural Economics
Black, J., M.A., Economic Theory
Goldsmith, M. M., A.B., PH.D., Political Theory
Leaper, R. A. B., C.B.E., M.A., Social Administration
Maunder, W. F., PH.D., Economic and Social Statistics
Minchinton, W. E., B.SC.(ECON.), F.R.HIST.S., Economic History
Mitchell, G. D., M.B.E., B.SC.(ECON.), F.R.A.I., Sociology

Parker, R. H., B.SC.(ECON.), F.C.A., Accountancy
Walker, D., M.A., Economics

Faculty of Law:
Bridge, J. W., LL.M., PH.D., Public Law
Lasok, D., L.EN.DR., LL.M., PH.D., DR. JURIS., European Law
Parker, C. F., M.A., LL.B., Law

Faculty of Education:
Dancy, J. C., M.A., Education
Daveney, T. F., B.A., Adult Education
Pring, R. A., PH.D., Education
Wilkinson, A. M., M.A., PH.D., Education
Wragg, E. C., PH.D., Education (Director)

Postgraduate Medical Institute:
Mattingly, D., M.B., B.S., M.R.C.P. (Director)

Institute of Biometry and Community Medicine:
Canvin, R. W., M.SC., (Joint Director)
Morgan, D. C., B.SC., B.SC.(ECON.), B.CH., M.B., (Joint Director)

Institute of Cornish Studies:
Thomas, A. C., M.A., DIP.ARCH., F.S.A. (Director)

Language Centre:
Hartmann, R. R. K., D.COMM., M.A.

Teaching Services Centre:
Bligh, D. A., PH.D.

Readers:

Faculty of Arts:
Alberich, J. M., PH.D., Modern Spanish Literature
Garland, Mary, PH.D., German
Harley, J. B., PH.D., Geography
Hudson, Rev. W. D., M.A., B.D., PH.D., Moral Philosophy
Keene, G. B., PH.D., Logic
Noakes, J. D., D.PHIL., F.R.HIST.S., Modern European History
Perry, N., PH.D., Post-Classical French Studies
Richards, D. J., M.A., B.LITT., Russian
Shaban, M. A., A.M., PH.D., Arabic and Islamic Literature
Swanton, M. J., PH.D., English Medieval Studies
Walling, D. E., PH.D., Physical Geography
Watts, D. A., M.A., D.U., Classical French Literature
Wolffe, B. P., M.A., D.PHIL., F.R.HIST.S., Medieval History

Faculty of Science:
Coe, K., M.A., PH.D., F.G.S., Petrology
Crout, D. H. G., PH.D., Organic Chemistry
Drabble, J. R., PH.D., F.INST.P., Solid State Physics
Flack, F. C., PH.D., Medical Physics
Fryer, J. G., PH.D., Statistics
Kennedy, C. R., PH.D., Biological Sciences
Klein, G., M.SC., PH.D., Applied Mathematics
Kline, P., M.ED., PH.D., Psychometrics
Long, L. H., PH.D., D.SC., A.R.C.S., D.I.C., Inorganic Chemistry
Moodie, R. B., PH.D., Physical-Organic Chemistry
Phillips, I. D. J., PH.D., Plant Physiology
Proctor, M. C. F., M.A., PH.D., Plant Ecology
Rosser, W. G. V., M.SC., PH.D., Electromagnetism
Weekes, K., M.A., PH.D., Geophysics

Faculty of Applied Science:
Zienkiewicz, H. K., M.SC., PH.D., C.ENG., F.R.AE.S., Mechanics of Fluids

Faculty of Social Studies:
Corner, D. C., M.A., PH.D., Business Finance
Dowse, R. E., PH.D., Politics
Hewitt, Miss M., PH.D., Social Institutions
Meyer, F. V., PH.D., International Economics
Oliver, F. R., M.A., S.D., D.PHIL., Economic and Social Statistics

Faculty of Education:
King, R. A., M.SC., PH.D., Education

UNIVERSITY OF GLASGOW

GLASGOW, G12 8QQ.
Telephone: 041-339-8855.

Founded 1451, reconstituted 1577.

Academic year: October to June.

Chancellor: Sir Alexander Cairncross, K.C.M.G., M.A., PH.D., LL.D., D.LITT., D.SC.(ECON.), D.UNIV.
Vice-Chancellor and Principal: Prof. Alwyn Williams, PH.D., D.SC., F.R.S.E., M.R.I.A., F.G.S., F.R.S.
Vice-Principals: Prof. R. J. Hirst, M.A., Prof. J. Lamb, D.SC., PH.D.
Rector: John L. Bell, M.A.
Registrar: J. McCargow, M.A.
Librarian: H. J. Heaney, M.A.

Library: *see* Libraries.

Number of teaching staff: 2,025, including 154 professors.
Number of students: 10,583.

Publications†: *Glasgow University Publications, Geology Department Papers, Soviet Studies* (quarterly), *Glasgow University Calendar* (annually), occasional publications of the University of Glasgow Press.

† Exchanges on a selective basis.

Deans:

Faculty of Arts: A. M. Potter, M.A., PH.D.
Faculty of Science: D. C. Gilles, PH.D.
Faculty of Medicine: E. M. McGirr, C.B.E., B.SC., M.D.
Faculty of Law: G. S. Cowie, M.A., LL.B.
Faculty of Divinity: Rev. R. Davidson, M.A., B.D.
Faculty of Engineering: J. D. Robson, M.A., PH.D.
Faculty of Veterinary Medicine: W. Mulligan, M.SC., PH.D.
Faculty of Social Sciences: F. M. Martin, PH.D.

Professors:

Faculty of Arts:
Alcock, L., M.A., F.S.A., F.R.S.E., Archaeology
Arnott, J. F., T.D., M.A., B.LITT., Drama
Barnwell, H. T., M.A., D. DE L'U., French
Brock, W. R., M.A., PH.D., Modern History
Brown, A. L., M.A., D.PHIL., Medieval History
Brown, P. M., M.A., D.PHIL., Italian—Stevenson Chair
Bryce, J. C., M.A., English Literature—Bradley Chair
Butter, P. H., M.A., English Literature
Cameron, G. C., B.A., Town and Regional Planning
Chambers, W. W., M.B.E., M.A., L. ÈS L., PH.D., German
Checkland, S. G., M.A., M.COMM., PH.D., F.B.A., Economic History
Corcoran, D. W. J., PH.D., Psychology
Dees, N., B.A., Extra-Mural and Adult Education
Downie, R. S., M.A., Moral Philosophy
Drew, K. P. A., M.A., English Literature
Dryden, M. M., M.B.A., PH.D., Management Studies
Duncan, A. A. M., M.A., Scottish History and Literature
Eldridge, J. E. T., M.A., Sociology
Finch, R. G., M.A., PH.D., German
Grant, N. D. C., M.A., M.ED., PH.D., Education
Henry, P., M.A., Slavonic Languages
Hirst, R. J., M.A., Logic and Rhetoric
Houston, G. F. B., M.A., B.LITT., Political Economy
Hunter, L. C., M.A., D.PHIL., Applied Economics
Larner, J. P., M.A., Medieval History
MacDowell, D. M., M.A., Greek
Macmillan, A., M.A., F.R.I.A.S., R.I.B.A., Architecture
Martin, F. M., B.A., PH.D., Social Administration
Morgan, E. G., M.A., English Literature
Nove, A., B.SC.(ECON), Economics
Pickvance, R., B.A., History of Fine Art
Potter, A. M., M.A., PH.D., Politics—James Bryce Chair
Rimmer, F. W., M.A., Music
Round, N. G., M.A., D.PHIL., Hispanic Studies
Samuels, M. L., M.A., English Language
Schaper, E., DR.PHIL., Aesthetic Philosophy
Skinner, A. S., M.A., B.LITT., Political Economy
Thomson, A. W. J., M.S., PH.D., Business Policy
Thomson, D. S., M.A., Celtic
Varty, E. K. C., B.A., PH.D., French
Walsh, P. G., M.A., PH.D., Humanity
Weir, D. T. H., B.A., Organizational Behaviour
Wilson, T., O.B.E., M.A., PH.D., F.B.A., Political Economy
Wilson, T. B., M.A., B.MUS., Music—Extra-Mural and Adult Education

Faculty of Science:
Boney, A. D., PH.D., D.SC., Botany
Bowes, D. R., PH.D., D.SC., F.R.S.E., Geology
Brooks, C. J. W., PH.D., D.SC., Chemistry
Burdon, R. H., PH.D., Biochemistry
Capon, B., PH.D., Chemistry
Curtis, A. S. G., M.A., PH.D., Cell Biology
Drever, R. W. P., PH.D., Natural Philosophy
Ferrier, R. P., M.A., PH.D., Natural Philosophy
Gilles, D. C., PH.D., Computing Science
Grassie, N. G., PH.D., D.SC., Chemistry
Gunn, J. C., C.B.E., M.A., Natural Philosophy
Hall, J. S., C.B.E., B.SC., Agriculture
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Kirby, G. W., M.A., PH.D., SC.D., Chemistry
Laing, E. W., M.A., PH.D., Natural Philosophy

Leake, B. E., Ph.D., D.Sc., Geology
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Timbury, Morag C., M.D., Ph.D., Virology
Toner, P. G., D.Sc., M.B., Ch.B., Pathology
Whitehead, R. R., M.Sc., Ph.D., Natural Philosophy
Wilkinson, P. C., M.D., Bacteriology and Immunology
Zielinski, J. G., M.A., Dr.habil., Ph.D., International Economic Studies

Associated College:

West of Scotland Agricultural College: (*see* under Colleges).

Attached Institutions:

Building Services Research Unit: University of Glasgow, G12 8RZ.

Scottish Universities Research Reactor Centre: East Kilbride, Lanarkshire; *see* under Research Institutes.

Medical Research Council Virology Unit: Institute of Virology, Church St., Glasgow, G11 5JR; experimental virus research unit; Hon. Dir. Prof. H. SUBAK-SHARPE, PH.D.

Medical Research Council Blood Pressure Unit: Western Infirmary, Glasgow, G11 6NT; blood pressure research unit; Dir. A. F. LEVER, M.B., B.SC., F.R.C.P.

S.R.C. Data Analysis Unit (Natural Philosophy).

Beatson Institute for Cancer Research: (Royal Beatson Memorial Hospital) Garscube Estate, Bearsden, Glasgow.

Social Paediatric and Obstetric Research Group: 64 Oakfield Ave., Glasgow, G12.

Glasgow Institute of Radiotherapeutics: Western Infirmary, Glasgow, G11 6NT; f. 1966; research in radiotherapeutics and clinical oncology, teaching; Dir. K. E. HALNAN.

Wellcome Surgical Research Institute: Garscube Estate, Bearsden Rd., Bearsden, Glasgow.

Institute of Soviet and East European Studies: 9 Southpark Terrace, Glasgow, G12 8LG; f. 1963; research, teaching and editorial activities on the U.S.S.R. and Eastern Europe in all fields of social sciences; library of 16,000 vols. and pamphlets, mostly in Russian and other East European languages: Dir. Prof. A. NOVE; publ. *Soviet Studies* (quarterly).

HERIOT-WATT UNIVERSITY

EDINBURGH, EH1 1HX

Telephone: (031)-225-8432.

Founded 1821 as School of Arts, Heriot-Watt College 1885, University Charter 1966.

Chancellor: The Rt. Hon. The Lord THOMSON OF MONIFIETH, P.C., LL.D., D.LITT., D.SC.

Principal and Vice-Chancellor: Prof. GEORGE MURRAY BURNETT, PH.D., D.SC., F.R.I.C., F.R.S.E.

Vice-Principal: Prof. T. D. PATTEN, PH.D., F.I.MECH.E., F.R.S.E.

Secretary: D. I. CAMERON, J.P., B.L., C.A.

Librarian: A. ANDERSON, M.A., F.L.A.

Number of teachers: *c.* 300.

Number of students: *c.* 3,100.

Publications: *Guide for Applicants, Guide to Postgraduate Study and Research, Faculty Handbooks* (all annually).

DEANS:

Faculty of Science: Prof. J. R. GRAY, B.SC., F.F.A., F.I.M.A.

Faculty of Engineering: C. W. DAVIDSON, PH.D., F.I.E.E.

Faculty of Economic and Social Studies: Prof. L. W. RODGER, B.SC.(ECON.), F.I.M., M.B.I.M., F.M.S.

Faculty of Environmental Studies: H. WILLIAMS, B.ARCH., A.R.I.B.A., M.R.T.P.I., A.R.I.A.S.

PROFESSORS:

BALFOUR, A., M.A., F.I.M.A., F.B.C.S., Computer Science

BLACK, H. F., M.SC., M.I.MECH.E., Mechanical Engineering

BOLTON, A., M.SC.(TECH.), PH.D., F.I.STRUCT.E., F.I.C.E., Civil Engineering

BROWN, J., M.M., B.SC., F.I.PET., Petroleum Engineering

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DUNBAR-NASMITH, J. D., C.B.E., B.A., D.A., R.I.B.A., P.P.R.I.A.S., Architecture

GILBERT, J. C., PH.D., Pharmacology

GOWENLOCK, B. G., D.SC., PH.D., F.R.I.C., F.R.S.E., Chemistry

GRAY, J. R., B.SC., F.F.A., F.I.M.A., Actuarial Mathematics and Statistics

HALLIWELL, A. R., B.ENG., M.SC., C.ENG., A.F.R.AE.S., Offshore Engineering

HARPER, P. G., PH.D., F.R.S.E., Theoretical Physics

HEATH, F. G., PH.D., F.I.E.E., Computer Engineering

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KNOPS, R. J., PH.D., F.R.S.E., Mathematics

MACKAY, D. I., M.A., Economics

MANNERS, D. J., M.A., PH.D., D.SC., F.R.I.C., F.R.S.E., Brewing and Biological Sciences

MCCUTCHEON, J. J., M.A., PH.D., F.F.A., Actuarial Studies

MELVILLE, I. S., Town and Country Planning

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NUTT, C. W., PH.D., D.SC., M.I.CHEM.E., A.R.I.C., Chemical Engineering

PATTEN, T. D., PH.D., F.I.MECH.E., F.R.S.E., Mechanical Engineering

PRAIS, H., PH.D., Languages

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ROGERS, A. R., PH.D., F.P.S., F.R.I.C., Pharmacy

SMALL, J. R., B.SC.(ECON)., F.A.C.C.A., F.C.M.A., Accountancy and Finance

SMITH, S. D., PH.D., D.SC., F.R.MET.S., F.I.P., F.R.S.E., F.R.S., Physics

THOMPSON, A. E., M.A., PH.D., Economics of Government

TORRANCE, V. B., M.SC., PH.D., F.I.O.B., M.B.I.M., Building

THE UNIVERSITY OF HULL

COTTINGHAM ROAD,
HULL, HU6 7RX

Telephone: (0482) 46311.

Founded 1927.

Chancellor: The Rt. Hon. Lord WILBERFORCE, P.C., C.M.G., O.B.E., M.A.

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Librarian: P. A. LARKIN, C.B.E., C.LIT., M.A., D.LIT., D.LITT., A.L.A., F.R.S.L.

Library: *see* Libraries.

Number of teachers: 500, including 58 professors.

Number of students (full-time): 4,873.

Publications: *Calendar, Gazette, Prospectus.*

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CHAPPLE, J. A. V., M.A., English Language and Literature

CONNELL-SMITH, G. E., PH.D., F.R.HIST.S., History

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Faculty of Social Sciences:

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UNIVERSITY OF KEELE

KEELE,
STAFFORDSHIRE, ST5 5BG

Telephone: 0782-621111.

Founded as University College of North Staffordshire 1949, University of Keele 1962.

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Mackay, D. M., PH.D., F.INST.P., Communication
Millar, I. T., PH.D., C.CHEM., F.R.I.C., Chemistry
Mortimer, C. T., PH.D., D.SC., C.CHEM., F.R.I.C., Inorganic Chemistry
Reeves, C. M., M.A., PH.D., F.B.C.S., F.I.M.A., Computer Science

Adult Education:

Dyson, R. F., PH.D., Director

Institute of Education:

Brown, G. N., M.A., D.PHIL., Director of the Institute of Education

READERS:

Board of Humanities:

Day, J. P. de C., M.A., Philosophy
Gomme, A. H., J.P., M.A., PH.D., English
Killham, E. J., M.A., English
Lees, J. D., M.A., PH.D., American Studies
Raw, Barbara, M.A., F.S.A., English
Spufford, P., M.A., PH.D., F.R.HIST.S., History

Board of Social Sciences:

Akehurst, M. B., M.A., LL.B., D.U., BAR.-AT-LAW, Law
Derbyshire, E., M.SC., PH.D., F.G.S., Physical Geography
Hutt, Corinne, D.PHIL., Psychology
Warham, Joyce, M.A., Social Policy

Board of Natural Sciences:

Borrell, P., PH.D., C.CHEM., F.R.I.C., Chemistry
Evans, E. F., M.B., CH.B., PH.D., Communication
Evans, R. G., M.SC., PH.D., Biology
Holloway, D. G., PH.D., F.INST.P., Physics
Jones, G., PH.D., D.SC., C.CHEM., F.R.I.C., Chemistry
Lainé, D. C., PH.D., D.SC., C.ENG., F.I.E.E., F.INST.P., Physics
Liebeck, H., M.A., M.SC., PH.D., Mathematics
Plesch, P. H., M.A., PH.D., SC.D., C.CHEM., F.R.I.C., Chemistry
Smith, P., PH.D., F.I.M.A., Mathematics

UNIVERSITY OF KENT AT CANTERBURY

CANTERBURY,
KENT, CT2 7NZ

Telephone: (0227) 66822.

Founded 1965.

Academic year: October to June.

Chancellor: The Rt. Hon. J. Grimond, M.P., T.D.

Vice-Chancellor: G. Templeman, M.A., PH.D., F.S.A.

Deputy Vice-Chancellor: G. R. Martin, B.SC., A.R.C.S., F.R.I.C.

Pro-Vice-Chancellor: M. J. C. Vile, M.A., PH.D.

Registrar: E. Fox, M.A.

Librarian: W. J. Simpson, B.A., A.L.A., F.R.S.A.

Number of teachers: 448.
Number of students: 3,686.

Publications: *Prospectus, Graduate Studies Handbooks, Gazette, Vice-Chancellor's Annual Report.*

DEANS:

Faculty of Humanities: M. Irwin, B.A., B.LITT.

Faculty of Social Sciences: C. K. Seymour-Ure, M.A., D.PHIL.

Faculty of Natural Sciences: Prof. G. Rickayzen, PH.D.

School of Mathematical Studies: Prof. G. B. Wetherill, PH.D., A.R.C.S., D.I.C. (Chairman).

Faculty of Humanities:

PROFESSORS:

Anstey, R. T., M.A., PH.D., Modern History
Butler, R. J., M.A., Philosophy
Collinson, P., M.A., PH.D., F.R.HIST.S., F.A.A.H., History
Foakes, R. A., M.A., PH.D., English and American Literature
Gibson, R. D. D., PH.D., French
Gregor, I. C. S., PH.D., Modern English Literature
Kinkead-Weekes, M., M.A., English and American Literature
Mahood, Molly M., M.A., English and American Literature

Mylne, Vivienne G., PH.D., CHEV. DES PALMES ACADEMIQUES, French
Read, D., M.A., PH.D., F.R.HIST.S., Modern English History
Swanston, H. F. G., M.A., M.LITT., PH.D., Theology

READERS:

Bolt, Christine A., PH.D., American History
Hampshire, P., M.A., D.LITT., French
James, W. L. G., M.A., D.PHIL., Victorian and Modern Literature
Radford, C. J., D.PHIL., Philosophy

Faculty of Natural Sciences:

PROFESSORS:

Brown, J. B., D.PHIL., Experimental Physics
Caldin, E. F., M.A., D.PHIL., D.SC., Physical Chemistry
Hudson, R. F., PH.D., A.R.C.S., D.I.C., A.R.I.C., Organic Chemistry
Jennison, R. C., PH.D., F.R.A.S., F.INST.P., C.ENG., F.I.E.E., F.R.S.A., Physical Electronics
Lanigan, M. J., M.SC., PH.D., Digital Electronics
Martin, G. R., B.SC., A.R.C.S., F.R.I.C., Chemistry
Meynell, G. G., M.D., B.S., D.SC., M.R.C.S., L.R.C.P., Microbiology
Powles, J. G., M.SC., PH.D., D. ÈS S., F.INST.P., Physics
Rickayzen, G., PH.D., Theoretical Physics
Stacey, K. A., PH.D., D.I.C., F.I.BIOL., Molecular Biology

READERS:

Cain, R. B., PH.D., D.SC., F.L.S., Biology
Jackson, D. A., PH.D., Experimental Physics
Lyle, S. J., PH.D., D.SC., A.R.I.C., Chemistry
McDonnell, J. A. M., PH.D., Space Sciences
Parker, E. A., M.A., PH.D., F.R.A.S., Radio Communications
Strange, J. H., PH.D., F.INST.P., Physics

Faculty of Social Sciences:

PROFESSORS:

Allingham, M., M.A.(ECON.), PH.D., Economic Theory
Bird, P. A., B.SC.(ECON.), F.C.A., Accounting
Davies, B. P., D.PHIL., Social Policy
Flowerdew, A. D. J., M.A., Management Science
George, V., M.A., PH.D., Social Administration and Social Work
Higgins, Rosalyn, M.A., J.S.D., International Law
Lury, D. A., B.SC.(ECON.), F.I.S., Quantitative Social Science
McLellan, D. T., M.A., D.PHIL., Political Theory
Metcalf, D., M.A.(ECON.), PH.D., Economics
Mingay, G. E., PH.D., Agrarian History
Pahl, R. E., M.A., PH.D., Sociology
Palley, Claire P. T., LL.B., PH.D., Law
Pressnell, L. S., PH.D., Economic and Social History
Simpson, A. W. B., M.A., D.C.L., J.P., Law
Stephenson, G. M., PH.D., Social Psychology
Stirling, P., M.A., D.PHIL., Sociology
Thirwall, A. P., M.A., PH.D., Applied Economics
Vile, M. J. C., M.A., PH.D., Political Science
Warren, M. D., M.D., D.P.H., D.I.H., M.R.C.P., F.F.C.M., Social Medicine

READERS:

Armstrong, W. A., PH.D., Social and Demographic History
Burton, J. W., PH.D., D.SC., International Relations
Davis, J. H. R., PH.D., Social Anthropology
Duncanson, D. J., O.B.E., M.A., South-East Asian Studies
Groom, A. J. R., M.A., D. ÈS SC., International Relations
Hooker, M. B., LL.M., Comparative Law
Seymour-Ure, C. K., M.A., D.PHIL., Politics

School of Mathematical Studies:

PROFESSORS:

Chisholm, J. S. R., M.A., PH.D., M.R.I.A., Applied Mathematics
Noble, M. E., M.A., PH.D., Pure Mathematics
Wetherill, G. B., PH.D., A.R.C.S., D.I.C., Statistics

READERS:

Common, A. K., PH.D., Applied Mathematics
Moran, S., M.SC., PH.D., Pure Mathematics

ATTACHED INSTITUTES:

Computing Laboratory.
Director: E. B. Spratt, PH.D., F.I.M.A., M.B.C.S.
Professor: P. J. Brown, M.A., PH.D., F.B.C.S., Computer Science.

Unit for the History, Philosophy and Social Relations of Science.
Professor: M. P. Crosland, M.SC., PH.D.

Language Centre.
Director: J. Martin, M.A.

School of Continuing Education.
Director: A. T. Barbrook, PH.D.

UNIVERSITY OF LANCASTER

BAILRIGG, LANCASTER

Telephone: Lancaster 65201.

Founded 1964.

Chancellor: H.R.H. Princess Alexandra.

Pro-Chancellor: (vacant).

Vice-Chancellor: Prof. P. A. Reynolds (acting).

Secretary: A. S. Jeffreys, B.A., B.LITT.

Librarian: Arthur Davies, B.A., A.L.A.

Library: *see* Libraries.

Number of teachers: 480.

Number of full-time students: approx. 3,900 undergraduate and 650 postgraduate.

Publications: *Undergraduate Prospectus*†, *Graduate Studies Prospectus*†, *Graduate Studies Prospectus*† (School of Management and Organisational Sciences) (each annually), *Annual Report.*

The university has no faculties; boards of studies are responsible for the co-ordination of courses.

PROFESSORS:

Arafat, W. N., Arabic and Islamic Studies
Benson, J. H., Philosophy
Bevington, J. C., Chemistry
Bowker, Rev. J. W., Religious Studies
Brunner, Elizabeth, Economics
Carroll, D. R., English Literature
Checkland, P. B., Systems
Clegg, A. B., Nuclear Physics
Clenshaw, C. W., Mathematics
Fairbairn, W. M., Theoretical Physics
French, M. J., Engineering
Hadley, R. D., Social Administration
Harris, S. L., Engineering
Higman, B., Computer Studies
Holmes, G. S., History
Hunter, A. N., Environmental Sciences
Hussey, S. S., English Language and Medieval Literature
Johnson, J. H., Geography
Krejčí, J., European Studies
Lawrence, R. J., Marketing
Lawrenson, T. E., Italian Studies
Leech, G. N., Linguistics
Levy, P. M., Psychology
Lloyd, E. H., Mathematics
MacBean, A. I., Economics
Mansfield, T. A., Biological Sciences
Mercer, A., Operational Research
Morgan, K. J., Chemistry
Murray, W. A., English
O'Donnell, T., Hydrology
Peasnell, K. V., Accounting and Finance
Perkin, H. J., Social History
Phelps, C. F., Biochemistry
Pigott, C. D., Biological Sciences
Potts, W. T. W., Biological Sciences
Reynolds, P. A., Politics
Ross, A. M., Educational Research
Shennan, J. H., European Studies
Sherry, N., English Literature
Shimmin, Sylvia B. N., Behaviour in Organizations
Sibley, F. N., Philosophy
Simpson, M. G., Operational Research
Smart, N., Religious Studies
Stamp, E., Accounting Theory
Tinker, H. R., Politics
Townsend, H., Economics
Tredgold, R. H., Physics
Vaughan, Michalina E. F., Sociology
Wardman, H. W., French Studies
Williams, G. L., Educational Planning
Willcock, M. M., Classics
Woolrych, A. H., History
Zeman, Z. A. B., Central and South-Eastern European Studies

READERS:

Bowker, Margaret, History of Education
Carroll, D. R., English Literature
Fielder, G., Environmental Sciences
Fox, R., History of Science
Heaton, F. W., Biological Sciences
Kershaw, D., Mathematics
Lee, P. M., Physics
Marshall, J. D., Regional History of N.-W. England
Morgan, Margery M., English Literature
Richmond, J., Religious Studies
Sampson, G. R., Linguistics
Small, R. W. H., Crystallography
Smoker, P. L., Peace and Conflict Research
Williams, L. A. J., Environmental Sciences

UNIVERSITY OF LEEDS

LEEDS, LS2 9JT

Telephone: 31751.

Founded 1904.

Chancellor: H.R.H. The Duchess of Kent, D.C.V.O.

Pro-Chancellor: Sir Richard Graham, Bt., O.B.E., D.L.

Vice-Chancellor: The Rt. Hon. Lord Boyle of Handsworth, M.A., LL.D.

Pro-Vice-Chancellor: Prof. H. Gwynne Jones, B.SC., F.B.PS.S.

Registrar: J. MacGregor, M.ED., PH.D.

Librarian: D. Cox, B.A., A.L.A.

Library: *see* Libraries.

Number of students: 9,822.

Publications: *University Calendar*†, *Publications and Titles of Theses*†.

Deans:

Faculty of Arts: K. R. Rowe, M.A.

Faculty of Economic and Social Studies: Prof. J. Greve, B.SC.(ECON.).

Faculty of Education: Prof. Margaret B. Sutherland, M.A., M.ED., PH.D.

Faculty of Law: Prof. C. D. Drake, M.A., LL.B.

Faculty of Science: R. A. Baker, M.SC., PH.D., F.I.BIOL.

Faculty of Applied Science: G. Pollard, M.A., PH.D., A.I.M.

Faculty of Medicine: Prof. D. R. Wood, B.M., B.CH., M.A., F.I.BIOL.

Professors:

Faculty of Arts:

Arnott, W. G., M.A., PH.D., Classical Studies
Borras, F. M., M.A., Russian
Cawley, A. C., M.A., PH.D., English Language and Medieval English Literature
Clark, T. J., PH.D., Fine Art
Davies, G. A., M.A., D.PHIL., Spanish and Portuguese Language and Literature
Dilke, O. A. W., M.A., D.LITT. ET PHIL., Classical Studies
Dilks, D. N., B.A., International History
Downer, G. B., B.A., Chinese
Geach, P. T., M.A., F.B.A., Philosophy
Hill, G. W., M.A., English Literature
Holland, R. F., M.A., B.PHIL., Philosophy
Hope, T. E., D.S.C., M.A., PH.D., French Language
Jenkins, D. E., M.A., Theology and Religious Studies
Jones, G. R. J., M.A., Geography
Kemp, I., M.A., Music
Kirkby, M. J., PH.D., Geography
Knight, K. G., M.A., PH.D., German
Mattingly, H. B., M.A., Ancient History
Mitchell, T. F., B.A., Linguistics and Phonetics
Morpurgo, J. E., M.A., D.H.L., D.LITT., American Literature
Sawyer, P., M.A., Medieval History
Taylor, A. J., M.A., F.R.H.S., Modern History
Thody, P., M.A., French Literature
Walsh, W., M.A., Commonwealth Literature
White, D. M., M.A., PH.D., Italian
Wilson, A. G., M.A., Geography

Faculty of Economic and Social Studies:

Allen, V. L., PH.D., Sociology of the Industrial Society
Bauman, Z., M.A., PH.D., Sociology
Beresford, M. W., M.A., Economic History
Brown, A. J., C.B.E., M.A., D.PHIL., D.LITT., F.B.A., Economics
Butterworth, J., M.SC., PH.D., Management Studies
Crossley, J. R., B.SC.(ECON.), Industrial Relations
Greve, J., B.SC.(ECON.), Social Policy and Administration
Gwilliam, K. M., B.A., F.C.I.T., Transport Economics
Leser, C. E. V., M.SC.(ECON.), D.PHIL., Econometrics
Maunders, K. T., B.SC., A.C.C.A., Business Finance and Accounting

Faculty of Education:

Jepson, N. A., PH.D., Adult Education
Layton, D., M.A., M.SC., Education (Science)
Lovell, K., M.A., PH.D., Educational Psychology
Sutherland, Margaret B., M.ED., PH.D., Education

Faculty of Law:

Drake, C. D., M.A., LL.B.
Hogan, T. B., LL.B.
Rogers, W. V. H., M.A.

Faculty of Science:

Alexander, R. McN., M.A., PH.D., D.SC., Zoology
Ayscough, P. B., M.A., PH.D., SC.D., Physical Chemistry
Briden, J. C., M.A., PH.D., F.G.S., Geophysics
Cove, D. J., M.A., PH.D., Genetics
Crighton, D. G., M.A., PH.D., Applied Mathematical Studies
Dugdale, J. S., M.A., D.PHIL., F.R.S.C., Physics
Elston, J., PH.D., Crop Science
Francis, E. H., D.SC., F.G.S., Earth Sciences
Goldie, A. W., M.A., Pure Mathematics
Goldsworthy, F. A., M.SC., PH.D., Applied Mathematics
Gray, P., M.A., PH.D., SC.D., F.R.I.C., F.R.S., Physical Chemistry
Greenwood, N. N., PH.D., D.SC., SC.D., F.R.I.C., Inorganic and Structural Chemistry
Holliman, F. G., M.A., PH.D., Organic Chemistry
Jones, H. Gwynne, B.SC., F.B.PS.S., Psychology
Lee, D. L., PH.D., Agricultural Zoology
Mardia, K. V., M.SC., PH.D., D.SC., Applied Statistics
Marsden, P. L., PH.D., Physics
Morgan, G. J., PH.D., Theoretical Physics
North, A. C. T., PH.D., Biophysics
Price, H. L., M.A., M.SC., PH.D., Mathematics for Applied Science
Sammes, P. G., PH.D., D.SC., D.I.C., Organic Chemistry (from April 1979)
Shaw, B. L., PH.D., Inorganic and Structural Chemistry
Smith, K., PH.D., Computational Science
Ward, I. M., M.A., D.PHIL., Physics
Wells, M., M.A., PH.D., Computational Science
Woolhouse, H. W., PH.D., F.L.S., Botany

Faculty of Applied Science:

Brook, R. J., SC.D., Ceramics
Care, A. D., PH.D., D.SC., Animal Physiology and Nutrition
Cole, B. N., PH.D., C.ENG., Mechanical Engineering
Dowson, D., PH.D., D.SC., C.ENG., A.M.I.MECH.E., A.S.M.E., Engineering Fluid Mechanics
Grosberg, P., M.SC.(ENG.), PH.D., Textile Engineering
Gwilliam, K. M., B.A., Transport Economics
Haselden, G. G., D.SC., PH.D., D.I.C., A.M.I.CHEM.E., Chemical Engineering
Lawrenson, P. J., D.SC., C.ENG., F.I.E.E., Electrical Engineering
McGreavy, C., D.ENG., C.ENG., Chemical Engineering
McIntyre, J. E., B.SC., Textile Industries
Matthews, P. A., PH.D., C.ENG., Electrical and Electronic Engineering
May, A. D., M.A., C.ENG., Transport Engineering
Nutting, J., M.A., SC.D., PH.D., Metallurgy
Rattee, I. D., O.B.E., B.SC., F.R.I.C., A.R.C.S., Colour Chemistry and Dyeing
Rhodes, J. D., PH.D., D.SC., Electrical and Electronic Engineering
Robinson, David S., PH.D., Food Science
Robson, A., PH.D., A.R.I.C., Fibre Science
Williams, A., PH.D., C.ENG., Fuel and Combustion Science
Young, P. A., M.A., PH.D., Mining and Mineral Sciences

Faculty of Medicine:

Barrett, A. M., PH.D., Pharmacology
Bevis, D. C. A., M.B., CH.B., Obstetrics and Gynaecology (St. James's University Hospital)
Bird, C. C., PH.D., Pathology
Burch, P. R. J., M.A., PH.D., Medical Physics
Cooke, Mrs. E. Mary, B.SC., M.D., Clinical Microbiology
Cooper, E. H., M.D., B.S., D.PHIL., D.SC., M.R.C.P., Experimental Pathology and Cancer Research
Crabb, H. S. M., M.D.S., PH.D., F.D.S., R.C.S., Conservative Dentistry
Ellis, R. E., PH.D., Medical Physics
Gee, D. J., M.B., B.S., M.R.C.PATH., D.M.J., Forensic Medicine
Giles, G. R., M.D., F.R.C.S., Surgery (St. James's University Hospital)
Gowland, G., PH.D., Immunology
Hervey, G. R., M.A., M.B., B.CHIR., PH.D., Physiology
Holmes, R. L., M.B., CH.B., PH.D., D.SC., Anatomy
Hopper, F. E., M.D.S., F.D.S.R.C.S., Dental Surgery
Jackson, D., D.D.S., M.D.S., L.D.S., Children's Dentistry
Johnston, D., M.D., F.R.C.S.E., Surgery (Leeds General Infirmary)
Joslin, C. A. F., M.B., B.S., D.M.R.T., F.F.R., Radiotherapy
Linden, R. J., M.B., CH.B., PH.D., D.SC., Cardiovascular Studies
Losowsky, M. S., M.D., F.R.C.P., Medicine (St. James's University Hospital)
McDowall, D. G., M.D., F.F.A.R.C.S., Anaesthesia
McNicol, G. P., M.D., PH.D., Medicine (Leeds General Infirmary)
Mainwaring, W. I. P., PH.D., Biochemistry
Mindham, R. H. S., M.D., M.R.C.S., L.R.C.P., Psychiatry
Morgan, D. B., M.D., M.R.C.PATH., Chemical Pathology
Moore, W. J., D.SC., PH.D., Anatomy with relation to Dentistry
Richards, I. D. G., M.D., PH.D., Community Medicine and General Practice
Robinson, Donald S., M.A., PH.D., Biochemistry
Scott, J. S., M.D., F.R.C.S.(ED.), F.R.C.O.G., Obstetrics and Gynaecology (Leeds Maternity Hospital)
Smithells, R. W., M.B., B.S., F.R.C.P., D.C.H., Paediatrics and Child Health
Stitch, S. R., PH.D., F.R.I.C., Steroid Endocrinology

Watson, D. H., PH.D., General Microbiology
Wood, D. R., B.M., B.CH., B.SC., M.A., Applied Pharmacology
Wright, V., M.D., F.R.C.P., Rheumatology

Readers:

Faculty of Arts:

Barber, C. L., M.A., FIL.DR., English Language and Literature
Bridge, F. R., PH.D., International History
Harrison, E. L., PH.D., Classical Studies
Hartley, B. R., M.A., F.S.A., Archaeology
Isserlin, B. S. J., M.A., D.PHIL., Semitic Studies
Martin, R. H., M.A., Classical Studies
Muir, Lynette R., PH.D., French
Olby, R. C., M.A., D.PHIL., History and Philosophy of Science
Ravetz, J. R., PH.D., History and Philosophy of Science
Taylor, J., M.A., Medieval History
Thomson, R. L., M.A., Celtic Studies
Wangermann, E., M.A., D.PHIL., Modern History
Woods, J. A., M.A., PH.D., Modern History

Faculty of Education:

Gosden, P. H. J. H., M.A., PH.D.

Faculty of Law:

Miller, C. J., LL.M.

Faculty of Science:

Broadhead, E., M.A., D.PHIL., Animal Ecology
Carson, A. S., M.SC., PH.D., D.SC., Physical Chemistry
Collinson, E., M.A., PH.D., Physical Chemistry
Cross, B. E., PH.D., D.SC., M.A., F.R.I.C., Organic Chemistry
Evans, L. V., PH.D., D.SC., Plant Sciences
Hilla's, A. M., PH.D., Cosmic Physics
Harberd, D. J., M.SC., D.SC., Agricultural Botany
Jennings, J. B., PH.D., D.SC., Invertebrate Zoology
Knorring, O. Von, M.SC., PH.D., Mineral Chemistry
Leedale, G. F., PH.D., D.SC., Botany
Lovis, J. D., PH.D., Botany
McConnell, J. C., PH.D., Pure Mathematics
Robson, J. C., PH.D., Pure Mathematics
Rubio, J. E., E.D., M.S., PH.D., Applied Mathematics
Sykes, A. G., PH.D., D.SC., Inorganic and Structural Chemistry
Watson, A. A., PH.D., Particle Cosmic Physics

Faculty of Applied Science:

Bennett, E. W., PH.D., C.ENG., F.I.C.E., M.I.STRUCT.E., Civil Engineering
Bradley, D., PH.D., C.ENG., M.I.MECH.E., Mechanical Engineering
Denton, M. J., D.SC., Textile Industries
Dixon-Lewis, G., M.A., D.PHIL., Fuel and Combustion Science
Dombrowski, N., PH.D., D.SC., C.ENG., Chemical Engineering
Fox, J. A., B.SC., C.ENG., Civil Engineering
Guile, A. E., PH.D., D.SC.(ENG.), C.ENG., Electrical and Electronic Engineering
Johnson, D. J., M.SC., PH.D., Textile Physics
Mobbs, F. R., M.SC., D.I.C., Mechanical Engineering
Parsons, B., PH.D., C.ENG., Mechanical Engineering
Scully, J. C., M.A., PH.D., Corrosion Science
Stainsby, G., M.A., PH.D., C.CHEM., F.R.I.C., Food Science
Truter, E. V., PH.D., D.SC., Textile Chemistry

Faculty of Medicine:

Dawson, J. B., PH.D., Medical Physics
Dombal, F. T. de, M.A., M.D., F.R.C.S., Clinical Information Sciences
Ellis, F. R., PH.D., D.A., F.F.A.R.C.S., Anaesthesia
Hullin, R. P., M.SC., PH.D., Biochemistry
Kilby, B. A., M.A., PH.D., Biochemistry
Lister, Miss Ursula M., O.B.E., M.D., F.R.C.S.E., F.R.C.O.G., Obstetrics and Gynaecology (St. James's University Hospital)
Oakey, R. E., PH.D., D.SC., F.R.I.C., Steroid Endocrinology
Smith, W. D. A., O.B.E., M.D., D.A., F.F.A.R.C.S., Anaesthesia
Sutherland, T. W., M.D., F.R.C.PATH., Pathology

Affiliated Colleges:

College of the Resurrection: Mirfield, Yorks.; f. 1902 by the Community of the Resurrection for the training of priests.

Principal: Rev. B. Green, C.R., M.A.
Vice-Principal: Rev. D. Lloyd, C.R., M.A.
Secretary and Registrar: Bro. J. Critchley, C.R.

Number of tutors: 6.
Number of students: 50 men.

College of Ripon and York St. John: York; f. 1841; Ripon; f. 1862.

Principal: J. V. Barnett, M.A.
Vice-Principal: Rev. H. T. Batey, M.A.
Registrar: S. D. Illingworth, B.SC.
Senior Administrative Officer: R. Wilkinson, B.COM., A.I.C.A.

Number of teachers: 149.
Number of students: 1,500.

UNIVERSITY OF LEICESTER

UNIVERSITY ROAD,
LEICESTER, LE1 7RH
Telephone: (0533) 50000.
Telegrams: University, Leicester.

University College founded 1918; Charter 1950; University Charter 1957.

Chancellor: Prof. Sir Alan Hodgkin, O.M., K.B.E., M.A., SC.D., D.SC., F.R.S.
Vice-Chancellor: M. Shock, M.A.
Registrar: M. A. Baatz, M.A.
Librarian: D. G. F. Walker, M.A., LL.B., A.L.A.

Library: *see* Libraries.

Number of teachers: 517, including 59 professors.

Number of students (full-time): 4,079.

Publications: *Calendar:* (annual), *Prospectus* (annual), *Annual Report*.

Deans:

Faculty of Arts: J. Hampton, B.A., L. ÈS L., D. DE L'U.

Faculty of Science: G. D. S. MacLellan, M.A., PH.D., C.ENG., F.I.MECH.E., F.I.E.E.

Faculty of Social Sciences: J. Bonner, B.SC.(ECON.), B.PHIL.

Faculty of Law: Prof. D. G. Barnsley, LL.M.

Faculty of Medicine: Prof. R. Kilpatrick, M.D., F.R.C.P.

Professors:

Aldcroft, D. H., PH.D., Economic History
Banks, J. A., M.A., Victorian Studies
Banks, Olive, PH.D., Sociology
Barnsley, D. G., LL.M., Law
Beck, F., M.D., Anatomy
Beeby, J. L., M.A., PH.D., Theoretical Physics
Bell, P. R. F., M.D., F.R.C.S., Surgery
Bernbaum, G., B.SC.(ECON.), Education
Blakeley, A. G. H., PH.D., Applied Physiology
Brammar, W. J., PH.D., Biochemistry
Brandon, S., M.D., F.R.C.PSYCH., Psychiatry
Collins, P. A. W., M.A., English Literature
Cunningham, J. S., B.A., B.LITT., English
Davies, R. O., M.A., PH.D., Pure Mathematics
Davies, T. V., D.SC., Applied Mathematics
Dewey, J. F., PH.D., Geology
Everitt, A. M., M.A., PH.D., English History
Fitton Brown, A. D., M.A., Classics
Freeman, P. R., PH.D., Statistics
Griew, E. J., M.A., LL.B., BAR.-AT-LAW, Law
Grodecki, J. K., M.A., BAR.-AT-LAW, Law
Halloran, J. D., B.SC.(ECON.), Mass Communication
Hemmings, F. W. J., M.A., D.PHIL., French Literature
Herbert, M., M.A., PH.D., Social Work
Herrmann, L. J., M.A., History of Art
Hughes, C. J., M.A., B.PHIL., Politics
Jones, H. A., C.B.E., M.A., Adult Education
Kemp, J., M.A., Philosophy
Kilpatrick, R., M.D., F.R.C.P., Pharmacology and Therapeutics
Macgregor, H. C., PH.D., Zoology
MacLellan, G. D. S., M.A., PH.D., C.ENG., F.I.MECH.E., F.I.E.E., Engineering
McNeish, A. S., M.SC., F.R.C.P., Child Health
MacVicar, J., M.D., F.R.C.S., F.R.C.O.G., Obstetrics and Gynaecology
McWilliam, G. H., M.A., Italian
Marinker, M., M.B., B.S., F.R.C.G.P., Community Health
Martin, G. H., M.A., D.PHIL., F.R.HIST.S., History
Meadows, A. J., M.A., D.PHIL., M.SC., Primary Communications
Megaw, J. V. S., M.A., F.S.A., Archaeology
Neustadt, I., DR.SC.ECON., PH.D., Sociology
Paterson, J. H., M.A., Geography
Peacock, R. D., D.SC., PH.D., Inorganic Chemistry
Ponter, A. R. S., PH.D., M.A., A.R.C.S., Engineering
Pounds, K. A., PH.D., Space Physics
Pritchard, R. H., PH.D., Genetics
Pye, N., B.A., Geography
Shaw, W., B.A., M.D., Biochemistry
Simon, B., M.A., Education
Sluckin, W., PH.D., F.B.PS.S., Psychology
Smith, H., D.SC., PH.D., F.I.BIOL., Botany
Sneath, P. H. A., M.A., M.D., D. DE L'U., M.R.C.S., L.R.C.P., Microbiology
Spence, J. E., B.A., B.SC.(ECON.), Politics
Swales, J. D., M.A., M.D., M.R.C.P., Medicine

Symons, M. C. R., ph.d., d.sc., f.r.i.c., Physical Chemistry
Trippett, S., m.a., ph.d., sc.d., Organic Chemistry
Walker, F., ph.d., m.d., m.r.c.path., Pathology
Warner, G., m.a., History
Whittam, R., ph.d., m.a., f.r.s., Physiology
Willson, H. B., m.a., German
Wright, D. S., m.a., Education

Readers:

Adams, D. M., d.sc., ph.d., d.i.c., f.r.i.c., a.k.c., Chemistry
Archard, J. F., d.sc., ph.d., f.inst.p., c.eng., f.i.mech.e., Engineering
Banyard, K. E., ph.d., f.inst.p., Physics
Biddiss, M. D., History
Brock, W. H., m.sc., ph.d., f.r.s.a., Victorian Studies
Chapman, R. A., ph.d., Physiology
Cutteridge, O. P. D., m.sc., ph.d., c.eng., f.i.e.e., Engineering
Davidson, R. S., ph.d., Chemistry
Forsyth, M. G., m.a., Politics
Fraser, G. S., m.a., English
Holland, I. B., ph.d., Genetics
Jones, T. B., ph.d., Physics
Mathieson, E., ph.d., Physics
Millward, R., m.a., Geography
Newman, A. N., m.a., d.phil., f.r.hist.s., History
Robinson, A. H. W., m.sc., ph.d., Geography
Sharp, C. H., ph.d., Economics
Stace, C. A., ph.d., Botany
Thurston, H., m.b., ch.b., Medicine
Turnock, D., Geography
Tutin, W., ph.d., Botany
Wacher, J. S., b.sc., f.s.a., Archaeology
Willson, A. J., m.a., ph.d., Mathematics
Windley, B. F., ph.d., Geology

UNIVERSITY OF LIVERPOOL

P.O.B. 147,
LIVERPOOL, L69 3BX
Telephone: 051-709-6022.

Founded by Royal Charter, 1903.

Chancellor: Sir Kenneth Clinton Wheare, c.m.g., f.b.a., d.litt.

Pro-Chancellor: A. W. Beeston, m.sc., ph.d., f.r.i.c., c.chem., m.i.t.m.a., m.p.t.i.c., b.m.i.p.a.a., c.p.a., j.p.

Vice-Chancellor: Emeritus Prof. R. F. Whelan, m.d., ph.d., d.sc., f.r.a.c.p., f.a.c.e., f.a.a.

Pro-Vice-Chancellors: Prof. L. L. Green, m.a., ph.d., f.inst.p., Prof. R. L. Hartles, ph.d., d.sc., f.d.s.r.c.s., Prof. J. F. Norbury, m.eng., ph.d., c.eng., f.i.mech.e., f.r.ae.s.

Registrar: H. H. Burchnall, m.a.

Librarian: V. E. Knight, m.a.

Library: *see* Libraries.

Number of teachers: 973 including 120 professors.

Number of students: 7,703.

Publications: *Town Planning Review* (quarterly), *Bulletin of Hispanic Studies* (quarterly), *The International Review of Applied Psychology* (twice yearly), *Calendar* (annually), *Recorder* (termly).

Deans:

Faculty of Arts: Prof. A. R. Myers, ph.d., f.r.hist.s., f.s.a.

Faculty of Science: Prof. D. H. Jennings, m.a., d.phil., f.i.biol.

Faculty of Medicine: Prof. E. D. Farmer, m.a., m.d.s., f.r.c.path., f.d.s.r.c.s.

Faculty of Law: Prof. D. B. Parker, ll.b., bar.-at-law.

Faculty of Engineering Science: Prof. H. D. Parbrook, ph.d., c.eng., f.i.mech.e., m.inst.p.

Faculty of Veterinary Science: Prof. E. J. H. Ford, d.v.sc., f.r.c.v.s., f.r.c.path.

Faculty of Social and Environmental Studies: Prof. R. Lawton, m.a.

Professors:

Faculty of Arts:

Allott, Miriam, m.a., ph.d., Modern English Literature
Cairns, F., m.a., Latin
Cross, J. E., m.a., fil.dr., English Language
Davies, J. K., m.a., d.phil., Ancient History and Classical Archaeology
Edwards, P. W., m.a., ph.d., English Literature
Hennock, E. P., m.a., ph.d., f.r.hist.s., Modern History
Lloyd, A. C., b.a., Philosophy
Long, A. A., ph.d., Greek
McMillin, A. B., ph.d., Russian
McWatters, K. G., b.a., d. de l'u., French
Mayer, C. A., ph.d., d. de l'u., French
Myers, A. R., m.a., ph.d., f.r.hist.s., f.s.a., Medieval History
Shore, A. F., m.a., Egyptology
Smallman, F. B. R., m.a., b.mus., a.r.c.o., Music
Williams, W. D., m.a., d.phil., German

School of Education

Blyth, W. A. L., m.a., m.ed., ph.d., Education
Stones, E., m.a., ph.d., Education

Faculty of Science:

Bamford, C. H., m.a., ph.d., sc.d., c.chem., f.r.i.c., f.r.s., Industrial Chemistry
Bathurst, R. G. C., d.sc., ph.d., a.r.c.s., f.g.s., Geology
Bowden, K. F., d.sc., f.inst.p., Oceanography
Bradshaw, A. D., m.a., ph.d., f.i.biol., Botany
Cain, A. J., m.a., d.phil., Zoology
Cassels, J. M., m.a., ph.d., f.r.s., Physics
Collinge, B., ph.d., Physics
Crapper, G. D., ph.d., Applied Mathematics
Delves, L. M., m.sc., d.phil., f.inst.p., f.i.m.a., Computational Science
Duncan, C. J., ph.d., Zoology
Flinn, D., d.sc., ph.d., a.r.c.s., d.i.c., f.g.s., Geology
Glover, J., ph.d., d.sc., c.chem., m.r.i.c., Biochemistry
Goodwin, T. W., c.b.e., d.sc., c.chem., f.r.i.c., f.i.biol., f.r.s., Biochemistry
Green, L. L., m.a., ph.d., f.inst.p., Experimental Physics
Grimley, T. B., ph.d., Inorganic, Physical and Industrial Chemistry
Holliday, A. K., ph.d., d.sc., c.chem., f.r.i.c., Inorganic, Physical and Industrial Chemistry
Holt, J. R., ph.d., f.inst.p., f.r.s., Experimental Physics
Jennings, D. H., m.a., d.phil., f.i.biol., Botany
Johnson, C. E., m.a., d.phil., f.inst.p., Experimental Physics
King, D. A., ph.d., sc.d., m.inst.p., Physical Chemistry
Ledwith, A., d.sc., ph.d., c.chem. m.r.i.c., Inorganic, Physical and Industrial Chemistry
Michael, C., m.a., d.phil., Theoretical Physics
Naylor, E., ph.d., Marine Biology
Oldroyd, J. G., m.a., ph.d., sc.d., Applied Mathematics
Perkins, H. R., ph.d., d.sc., f.i.biol., Microbiology
Pitcher, W. S., ph.d., d.sc., d.i.c., m.r.i.a., f.i.m.m., f.g.s., Geology
Riley, J. P., ph.d., d.sc., c.chem., f.r.i.c., Oceanography
Ritchie, D. A., ph.d., m.i.biol., Genetics
Sampford, M. R., m.a., d.phil., a.r.c.s., Mathematical Statistics
Sutherland, I. O., m.a., ph.d., Organic Chemistry
Taylor, S. J., ph.d., Pure Mathematics
Wall, C. T. C., ph.d., f.r.s., Pure Mathematics
Wilson, R. L., m.sc., ph.d., d.i.c., Geophysics

Faculty of Medicine:

Beazley, J. M., m.d., f.r.c.o.g., Obstetrics and Gynaecology
Bellingham, A. J., m.b., b.s., f.r.c.p., Haematology
Bentley, G., ch.m., f.r.c.s., Orthopaedic Surgery
Breckenridge, A. M., m.d., m.sc., f.r.c.p., Clinical Pharmacology
Copeland, J. R. M., m.a., m.d., m.r.c.p., d.p.m., f.r.c.psych., Psychiatry
Evans, D. A. Price, m.d., ph.d., m.sc., f.r.c.p., Medicine
Farmer, E. D., m.a., m.d.s., f.r.c.path., f.d.s.r.c.s., Dental Surgery
Fendall, N. R. E., m.d., d.p.h., f.f.c.m., International Community Health
Gilles, Chevalier H. M., k.st.j., m.d., f.r.c.p., f.f.c.m., f.m.c.p.h.(nig.), d.t.m. & h., Tropical Medicine
Gregory, R. A., c.b.e., ph.d., d.sc., f.r.c.p., f.r.s., Physiology
Harris, F., m.d., m.med.(paed.), f.r.c.p., Child Health
Harrison, R. G., m.a., d.m., Anatomy
Hartles, R. L., ph.d., d.sc., f.d.s.r.c.s., Dental Science
Heath, D. A., m.d., ph.d., f.r.c.p., f.r.c.path., Pathology
Hendrickse, R. G., m.d., f.r.c.p., f.r.c.p.ed., f.m.c.(nig.), Tropical Paediatrics
Hopkins, C. R., ph.d., Histology and Cell Biology
Lawton, F. E., b.d.s., f.d.s.r.c.s., Operative Dental Surgery
Lister, J., m.d., f.r.c.s., Paediatric Surgery
McCarthy, K., m.d., f.r.c.path., Medical Microbiology
Mills, G. L., m.b., ch.b., m.r.c.s., l.r.c.p., d.obst.r.c.o.g., f.r.c.p., f.r.c.p.e., Geriatric Medicine
Peters, W., m.d., d.sc., f.r.c.p., d.t.m. & h., Parasitology
Shields, R., m.d., f.r.c.s.ed., f.r.c.s., Surgery
Utting, J. E., m.a., m.b., b.chir., f.f.a.r.c.s., Anaesthesia
Whitehouse, G. H., m.b., b.s., m.r.c.p., d.m.r.d., f.r.c.r., Diagnostic Radiology

Faculty of Law:

HUDSON, A. H., M.A., LL.B., PH.D., BAR.-AT-LAW, Law
MACLEOD, J. K., PH.D., BAR.-AT-LAW, Law
PARKER, D. B., LL.B., BAR.-AT-LAW, Law

Faculty of Engineering Science:

CRAGGS, J. D., M.SC., PH.D., F.INST.P., Electronic Engineering
GALLETLY, G. D., SC.D., D.ENG., F.I.C.E., F.I.MECH.E., Applied Mechanics
HOLMES, P., PH.D., C.ENG., M.I.C.E., Maritime Civil Engineering
HULL, D., PH.D., D.SC., F.I.M., Metallurgy
LECK, J. H., M.ENG., PH.D., C.ENG., M.I.E.E., M.INST.P., Electrical Engineering
NORBURY, J. F., M.ENG., PH.D., C.ENG., F.I.MECH.E., F.R.AE.S., Mechanical Engineering
PARBROOK, H. D., PH.D., C.ENG., F.I.MECH.E., M.INST.P., Building Engineering
ROZZI, T. E., PH.D., Electrical Engineering
SAWKO, F., D.SC., C.ENG., M.I.C.E., M.I.STRUCT.E., M.AM.SOC.C.E., Civil Engineering

Faculty of Veterinary Science:

CLARKSON, M. J., D.V.SC., PH.D., M.R.C.V.S., Veterinary Parasitology
FINN, C. A., PH.D., M.R.C.V.S., Veterinary Physiology
FITZPATRICK, R. J., PH.D., M.R.C.V.S., Veterinary Clinical Studies
FORD, E. J. H., D.V.SC., F.R.C.V.S., F.R.C.PATH., Veterinary Clinical Studies
HUGHES, D. L., C.B.E., PH.D., F.R.C.V.S., DIP.BACT., Veterinary Pathology
KING, A. S., PH.D., M.R.C.V.S., Veterinary Anatomy
KING, J. O. L., M.V.SC., PH.D., F.R.C.V.S., F.I.BIOL., Animal Husbandry

Faculty of Social and Environmental Studies:

BOURN, A. M., B.SC.(ECON.), F.C.A., M.B.I.M., Business Studies
BROADBRIDGE, S. A., PH.D., Economic History
BROMLEY, D. B., PH.D., F.B.PS.S., Psychology
DIX, G. B., M.L.A., DIP.T.P., R.I.B.A., F.R.T.P.I., Civic Design
HENNOCK, E. P., M.A., PH.D., F.R.HIST.S., Modern History
LAWTON, R., M.A., Geography
MAYS, J. B., M.A., PH.D., Sociology
MINFORD, A. P. L., M.SC., PH.D., Applied Economics
MORRIS, R. C., M.SC., F.C.A., Accounting
OLDFIELD, F., M.A., PH.D., Geography
PEEL, J. D. Y., M.A., PH.D., Sociology
PETERS, G. H., M.SC.(ECON.), M.A., Economic Science
PROTHERO, R. M., M.A., PH.D., Geography
PROUDLOVE, J. A., M.ENG., F.I.MUN.E., F.C.I.T., Transport Studies
RIDLEY, F. F., O.B.E., PH.D., Political Theory and Institutions
SMITH, C. T., M.A., Latin-American Geography
TARN, J. N., PH.D., F.R.HIST.S., Architecture

Institute of Extension Studies:

RHODES, E., M.A. (Director).

AFFILIATED INSTITUTION:

Liverpool School of Tropical Medicine: *see* Research Institutes.

UNIVERSITY OF LONDON

SENATE HOUSE,
LONDON, WC1E 7HU
Telephone: 01-636 8000.
Telegrams: University, London

Founded 1836 as an examining body; became also a teaching body in 1898.

Chancellor: H.M. QUEEN ELIZABETH, THE QUEEN MOTHER.

Vice-Chancellor: The Rt. Hon. Lord ANNAN, O.B.E., M.A., D.LITT.

Principal: J. R. STEWART, C.B.E., M.A.

Academic Registrar: P. F. VOWLES, M.A.

Director of Extra-Mural Studies: B. H. GROOMBRIDGE, B.SC.

Director of Library and Goldsmiths' Librarian: D. J. FOSKETT, M.A., F.L.A.

Library: *see* Libraries.

Number of appointed teachers: 1,949.

Number of internal students: 47,754.

Number of external students: 29,679.

DEANS:

Faculty of Theology: Rev. Prof. P. R. ACKROYD, M.TH., M.A., PH.D., D.D.

Faculty of Arts: Prof. J. P. BARRON, M.A., D.PHIL.

Faculty of Laws: Prof. C. GRUNFELD, M.A.

Faculty of Music: S. GLASSER, M.A.

Faculty of Medicine: Prof. A. H. CRISP, M.D., F.R.C.P., F.R.C.P.E., F.R.C.PSYCH., D.M.E.

Faculty of Science: Prof. W. G. OVEREND, PH.D., D.SC., F.R.I.C.

Faculty of Engineering: Prof. M. W. HUMPHREY DAVIES, M.SC., LL.M., C.ENG., F.I.E.E.

Faculty of Economics: Prof. M. J. WISE, M.C., PH.D.

Faculty of Education: Prof. P. J. BLACK, PH.D.

PROFESSORS:

The initials in brackets appearing after each professor's name and subject represent the College or Institute to which he is attached. The key is given below:

Bfd. C.—Bedford College.
Bk. C.—Birkbeck College.
Ch. X H.M.S.—Charing Cross Hospital Medical School.
Chel. C.—Chelsea College.
Guy's H.M.S.—Guy's Hospital Medical School.
Heythrop C.—Heythrop College.
I.C.—Imperial College.
Inst. Arch.—Institute of Archaeology.
Inst. Bas. Med. Sci.—Institute of Basic Medical Sciences.
Inst. Dermat.—Institute of Dermatology.
Inst. Educ.—Institute of Education.
Inst. Hist. Res.—Institute of Historical Research.
Inst. L. & O.—Institute of Laryngology and Otology.
Inst. Latin Amer. St.—Institute of Latin American Studies.
Inst. Oph.—Institute of Ophthalmology.
Inst. Orth.—Institute of Orthopaedics.
Inst. Psych.—Institute of Psychiatry.
Inst. U.S. Studs.—Institute of United States Studies.
K.C.—King's College.
K.C.H.M.S.—King's College Hospital Medical School.
Lister I.P.M.—Lister Institute of Preventive Medicine.
L.S. Dent. Surg.—Royal Dental Hospital of London School of Dental Surgery.
L.S.E.—London School of Economics.
L.S. Hyg. & Trop. Med.—London School of Hygiene and Tropical Medicine.
Lond. H.M.C.—London Hospital Medical College.
Middx. H.M.S.—Middlesex Hospital Medical School.
Q.E.C.—Queen Elizabeth College.
Q.M.C.—Queen Mary College.
R.D.H.—Royal Dental Hospital.
R.H.C.—Royal Holloway College.
R.F.H.S.M. — Royal Free Hospital School of Medicine.
R.P.M.S.—Royal Postgraduate Medical School.
R. Vet. C.—Royal Veterinary College.
Sch. Pharm.—School of Pharmacy.
S.O.A.S.—School of Oriental and African Studies.
S.S.E.E.S.—School of Slavonic and Eastern European Studies.
St. Bart.'s H.M.C.—St. Bartholomew's Hospital Medical College.
St. G.'s H.M.S.—St. George's Hospital Medical School.
St. My.'s H.M.S.—St. Mary's Hospital Medical School.
St. Thos.'s H.M.S.—St. Thomas's Hospital Medical School.
U.C.—University College.
U.C.H.M.S.—University College Hospital Medical School.
Warb. I.—Warburg Institute.
Wfd. C.—Westfield College.
West. M.S.—Westminster Medical School.
Wye C.—Wye College.

Details of all Colleges and Institutes follow the professor list.

Faculty of Theology:

ACKROYD, Rev. P. R., M.TH., M.A., PH.D., D.D., Old Testament Studies (K.C.)
DUNSTAN, Rev. Canon G. R., M.A., F.S.A., Moral and Social Theology (K.C.)
EVANS, C. F., New Testament Studies (K. C.)
HALL, S. G., M.A., B.D., Ecclesiastical History (K. C.)
OWEN, Rev. H. P., M.A., Christian Doctrine (K.C.)
SIMON, Rev. U. E., D.D., Christian Literature (K.C.)
STANTON, G. N., M.A., PH.D., New Testament Studies (K. C.)
SUTHERLAND, S. R., M.A., History and Philosophy of Religion (K. C.)

Faculty of Arts:

ABRAMSKY, C. A., B.A., Hebrew and Jewish Studies (U.C.)
ALEXANDER, R. N., M.A., B.LITT., English Language and Literature (Q.M.C.)

Anderson, M. S., M.A., PH.D., International History (L.S.E.)
Aquilecchia, G., M.A., DOTT.LETT., Italian (Bfd.C.)
Armstrong, W. A., M.A., PH.D., English (Bk. C.)
Ballhatchet, K. A., M.A., PH.D., History of South Asia (S.O.A.S.)
Barber, W. H., M.A., D.PHIL., French (Bk.C.)
Barron, J. P., M.A., D.PHIL., Greek Language and Literature (U.C.)
Bately, Janet M., M.A., English Language and Literature (K.C.)
Bawden, C. R., PH.D., F.B.A., Mongolian (S.O.A.S.)
Beasley, W. G., PH.D., History of Far East (S.O.A.S.)
Beckingham, G. F., M.A., Islamic Studies (S.O.A.S.)
Berry, F., M.A., F.R.S.L., English Language and Literature (R.H.C.)
Bishop, D., A.R.I.C.S., A.M.I.C.C., Building (U.C.)
Bock, C. V., M.A., DR.PHIL., German (Wfd.C.)
Bourne, K., PH.D., International History (L.S.E.)
Bowie, M. M., M.A., D.PHIL., French Language and Literature (Q.M.C.)
Boyce, Norah E. M., PH.D., Iranian Studies (S.O.A.S.)
Brown, R. A., M.A., D.PHIL., F.S.A., History (K.C.)
Brown, T. J., M.A., F.S.A., Palaeography (K.C.)
Browning, R., M.A., Classics (Bk. C.)
Burcher, R. K., PH.D., Naval Architecture (U.C.)
Burns, J. H., M.A., PH.D., History of Political Thought (U.C.)
Carnochan, J., B.A., Phonetics (S.O.A.S.)
Chalker, J. J., M.A., English (Wfd. C.)
Christie, I. R., M.A., Modern British History (U.C.)
Cohen, A., M.A., PH.D., Anthropology of Africa and Near East (S.O.A.S.)
Coldstream, J. N., M.A., F.B.A., F.S.A., Archaeology (Aegean) (Bfd.C.)
Copleston, F. C., History of Philosophy (Heythrop C.)
Corbett, P. E., M.A., Classical Art and Archaeology (U.C.)
Courtney, E., M.A., Latin (K.C.)
Cowan, C. D., M.A., PH.D., History of South East Asia (S.O.A.S.)
Cowan, P. D., PH.D., A.R.I.B.A., Planning Studies (U.C.)
Cummins, J. S., PH.D., Spanish Language and Literature (U.C.)
Deyermond, A. D., M.A., Spanish (Wfd. C.)
Dimbleby, G. W., M.A., D.PHIL., Human Environment (Inst. Arch.)
Dixon, P., M.A., English (Wfd. C.)
Drage, C.-L., M.A., PH.D., Russian (S.S.E.E.S.)
Du Boulay, F. R. H., M.A., Mediaeval History (Bfd. C.)
Dunn, C. J., PH.D., Japanese (S.O.A.S.)
Evans, J. D., M.A., PH.D., Archaeology (Inst. Arch.)
Ewbank, Inga-Stina, M.A., FIL.KAND., English Literature (Bfd. C.)
Fahy, C. F., M.A., PH.D., Italian (Bk. C.)
Fisher, C. A., M.A., Geography (S.O.A.S.)
Floud, R. C., D.PHIL., Modern History (Bk. C.)
Foote, P. G., M.A., Old Scandinavian (U.C.)
Fourcin, A. J., Experimental Phonetics (U.C.)
Fowler, F. M., M.A., D.PHIL., German Language and Literature (Q.M.C.)
Freeborn, R. H., M.A., D.PHIL., Russian Literature (S.S.E.E.S.)
Gellner, E. A., PH.D., Philosophy (L.S.E.)
Giangrande, G., DOTT.FIL., PH.D., Classics (Bk. C.)
Gimson, A. C., B.A., Phonetics (U.C.)
Glendinning, O. N. V., PH.D., Spanish (Q.M.C.)
Goodyear, F. R. D., PH.D., Latin (Bfd. C.)
Gowing, L. B., C.B.E., M.A., Fine Art (U.C.)
Graham, A. P., PH.D., Classical Chinese (S.O.A.S.)
Graham, Ilse A., PH.D., German (K.C.)
Gray, J. R., M.A., PH.D., History of Africa (S.O.A.S.)
Hale, J. R., M.A., Italian (U.C.)
Hamlyn, D. W., M.A., Philosophy (Bk. C.)
Handley, E., M.A., F.B.A., Greek, Latin (U.C.)
Hardy, Barbara G., M.A., English Language and Literature (Bk. C.)
Harvey, L. P., D.PHIL., Spanish (K.C.)
Hatton, Ragnhild M., PH.D., International History (L.S.E.)
Healy, J. F., M.A., PH.D., Classics (R.H.C.)
Henderson, Eugenie J. A., B.A., Phonetics (S.O.A.S.)
Hla Pé, M.A, PH.D., Burmese (S.O.A.S.)
Hobsbawm, E. J. E., PH.D., Economic and Social History (Bk. C.)
Hodder, B. W., M.A., PH.D., Geography (S.O.A.S.)
Hodson, F. R., PH.D., Prehistoric Archaeology (Inst. Arch.)
Holt, P. M., M.A., D.PHIL., D.LITT., Arab History (S.O.A.S.)
Hurstfield, J., D.LIT., English History (U.C.)
Ilersic, A. R., M.SC.(ECON.), Social Studies (Bfd. C.)
Johnson, D. W. J., B.A., B.LITT., French History (U.C.)
Johnstone, T. M., PH.D., Arabic (S.O.A.S.)
Joll, J. B., M.A., International History (L.S.E.)
Jones, D. M., M.A., Classics (Wfd. C.)
Jones, M. A., M.A., D.PHIL., American History (U.C.)
Juden, B. V., M.A., French Language and Literature (R.H.C.)
Koenigsberger, H. G., M.A., PH.D., History (K.C.)
La Fontaine, J., PH.D., Anthropology (L.S.E.)
Lambton, Ann K. S., O.B.E., D.LIT., Persian (S.O.A.S.)
Lang, D. M., D.LIT., LITT.D., DR.PHILOL. SC., Caucasian Studies (S.O.A.S.)
Lasko, P. E., B.A., History of Art (Courtauld Inst. Art)
Lawrence, C. H., D.PHIL., Mediaeval History (Bfd. C.)
Leakey, F. W., PH.D., French Language and Literature (Bfd. C.)
Leslie, R. F., PH.D., Modern History (Q.M.C.)
Lewis, I. M., B.SC., B.LITT., D.PHIL., Anthropology (L.S.E.)
Loyn, H. R., D.LITT. (Wfd. C.)
Lowenthal, D., M.A., PH.D., Geography (U.C.)
Lynch, J., M.A., PH.D., Hispanic and Latin American History (Inst. Latin Amer. St.)
Marshall, J. H., M.A., D.PHIL., Romance Philology (Wfd.C.)
Mayer, A. C., PH.D., Indian Anthropology (S.O.A.S.)
Mead, W. R., PH.D., Geography (U.C.)
Meijer, R. P., PH.D., Dutch Language and Literature (Bfd. C.)
Menage, V. L., M.A., PH.D., Turkish (S.O.A.S.)
Middleton, J. F. M., D.PHIL., African Anthropology (S.O.A.S.)
Millar, F. G. B., D.PHIL., Ancient History (U.C.)
Milner, G. B., M.A., PH.D., Austronesian Studies (S.O.A.S.)
Morgan, W. B., PH.D., Geography (K.C.)
Murray, P. J., PH.D., F.S.A., History of Art (Bk. C.)
Musgrove, J., B.ARCH., Architecture (U.C.)
Nicol, D. M., M.A., PH.D., Modern Greek and Byzantine History (K.C.)
Oates, E. E. D. M., M.A., F.S.A., Western Asiatic Archaeology (Inst. Archaeology)
O'Connor, J. D., B.A., Phonetics (U.C.)
Oliver, R. A., M.A., PH.D., History of Africa (S.O.A.S.)
O'Neill, P. G., PH.D., Japanese (S.O.A.S.)
Ouston, P. A., M.A., PH.D., French Language and Literature (K.C.)
Peake, C. H., M.A., English (Q.M.C.)
Pearl, Mrs. V., M.A., PH.D., History of London (U.C.)
Pearson, J. D., M.A., Bibliography with reference to Asia and Africa (S.O.A.S.)
Pietrkiewics, J., M.A., PH.D., Polish Language and Literature (S.S.E.E.S.)
Philips, Sir Cyril H., M.A., PH.D., Oriental History (S.O.A.S.)
Quirk, R., C.B.E., M.A., PH.D., D.LIT., English Language and Literature (U.C.)
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Riley-Smith, J. S. C., M.A., PH.D., History (R.H.C.)
Robins, R. H., M.A., General Linguistics (S.O.A.S.)
Samilov, M., M.A., PH.D., Comparative Philology of the Slavonic Languages (S.S.E.E.S.)
Sanderson, G. N., M.A., PH.D., Modern History (R.H.C.)
Schram, S. R., PH.D., Politics, with special reference to China (S.O.A.S.)
Screech, M. A., D.LITT., French Language and Literature (U.C.)
Segal, J. B., M.C., M.A., D.PHIL., Semitic Languages (S.O.A.S.)
Seton-Watson, G. H. N., M.A., Russian History (S.S.E.E.S.)
Sharrock, R., M.A., English Language and Literature (K.C.)
Shearman, J. K. G., PH.D., History of Art (Courtauld Inst. Art)
Sheppard, June A., M.A., PH.D., Geography (Q.M.C.)
Shorto, H. L., M.A., Mon-Khmer Studies (S.O.A.S.)
Simmonds, E. H. S., M.A., Languages and Literatures of South East Asia (S.O.A.S.)
Smith, D. M., PH.D., Geography (Q.M.C.)
Smith, H. S., M.A., Egyptology (U.C.)
Snellgrove, D. L., M.A., PH.D., D.LITT., Tibetan (S.O.A.S.)
Stern, J. P., M.A., PH.D., German (U.C.)
Strathern, A. J., M.A., PH.D., Anthropology (U.C.)
Swales, M. W., M.A., PH.D., German (U.C.)
Swart, K., JUR.CAND., LITT.D., Dutch History and Institutions (U.C.)
Thompson, F. M. L., D.PHIL., Modern History (Inst. Hist. Res.)

Trapp, J. B., M.A., History of the Classical Tradition (Warb. I.)
Tymms, R. V., M.A., German Language and Literature (R.H.C.)
Ullendorff, E., M.A., D.PHIL., D.LITT., F.B.A., Ethiopian Studies (S.O.A.S.)
Underwood, V. P., PH.D., D.-ÈS-L., French (U.C.)
Varey, J. E., PH.D., Spanish (Wfd. C.)
Vatikiotis, P. J., PH.D., Politics with special reference to the Near and Middle East (S.O.A.S.)
Vickery, B. C., M.A., F.L.A., Library Studies (U.C.)
Walker, D. P., M.A., D.PHIL, History of the Classical Tradition (Warb. Inst.)
Watkins, J. W. N., D.SC., M.A., Philosophy (L.S.E.)
Watson, A. I., PH.D., Spanish (Bk. C.)
Watson, N. F., B.ARCH., A.R.I.B.A., Architecture (U.C.)
Watson, W., M.A., F.S.A., F.B.A., Chinese Art and Archaeology (S.O.A.S.)
Watt, D. C., PH.D., International History (L.S.E.)
Weightman, J. G., L. ès L., PH.D., French (Wfd. C.)
Wells, G., M.A., PH.D., German (Bk. C.)
West, M. L., PH.D., Greek (Bfd. C.)
Wiggins, D. R. P., M.A., Philosophy (Bfd. C.)
Wilkes, J. J., PH.D., Archaeology of the Roman Provinces (Inst. Arch.)
Wilkes, M. J., M.A., PH.D., Medieval History (Bk. C.)
Williams, G., PH.D., History (Q.M.C.)
Winch, P. G., B.PHIL., Philosophy (K.C.)
Wisbey, R. A., M.A., DR.PHIL., German (K.C.)
Wiseman, D. J., O.B.E., M.A., Assyriology (S.O.A.S.)
Wollheim, R. A., M.A., F.B.A., Philosophy of Mind (U.C.)
Wright, E., M.A., American History (Inst. U.S. Studs.)
Wright, J. C., M.A., Sanskrit (S.O.A.S.)
Yuill, W. E., M.A., German (Bfd. C.)
Zarnechi, G., C.B.E., M.A., PH.D., F.B.A., F.S.A., History of Art (Courtauld Inst. Art)

Faculty of Laws:

Adams, J. E., LL.B., Law (Q.M.C.)
Allott, A. N., M.A., PH.D., African Law (S.O.A.S.)
Boyle, A. J., LL.M., Laws (Q.M.C.)
Brownlie, I., International Law (L.S.E.)
Butler, W. E., Comparative Law (U.C.)
Cheng, B., LIC. EN DROIT., PH.D., LL.D., Air and Space Law (U.C.)
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Coulson, N. J., M.A., Oriental Laws (S.O.A.S.)
Derrett, J. D. M., M.A., PH.D., D.C.L., Oriental Laws (S.O.A.S.)
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Fawcett, J. E. S., M.A., International Law (K.C.)
Goode, R. M., LL.B., Law (Q.M.C.)
Griffith, J. A. G., LL.M., Public Law (L.S.E.)
Grunfeld, C., M.A., Law (L.S.E.)
Guest, A. G., M.A., English Law (K.C.)
Ivamy, E. R. H., PH.D., LL.D., Law (U.C.)
Jacobs, F. G., M.A., D.PHIL., European Law (K.C.)
Jowell, J. L., M.A., LL.M., S.J.D., Public Law (U.C.)
Kiralfy, A. K. R., LL.M., PH.D., Law (K.C.)
Lloyd of Hampstead, Lord, M.A., LL.D., Jurisprudence (U.C.)
Mellows, A. R., LL.M., PH.D., LL.D., Law of Property (K.C.)
Millner, M. A., LL.D. ,B.C.L., Law (U.C.)
Read, J. S., LL.B., Comparative Public Law (S.O.A.S.)
Rideout, R. W., PH.D., Labour Law (U.C.)
Ryder, E. C., LL.B., M.A., English Law (U.C.)
Scamell, E. H., LL.M., English Law (U.C.)
Simmonds, K. R., M.A., D.PHIL., International Law (Q.M.C.)
Thomas, J. A. C., LL.B., M.A., Roman Law (U.C.)
Wedderburn, Lord, LL.B., M.A., Commercial Law (L.S.E.)
Zander, M., LL.M., Law (L.S.E.)

Faculty of Music:

Spink, I. W. A., M.A., F.T.C.L., A.R.C.M., Music (R.H.C.)
Trowell, B. L., M.A., PH.D., Music (K.C.)

Faculty of Medicine:

Adams, C. W. M., M.A., M.D., D.SC., M.R.C.PATH., Pathology (Guy's H.M.S)
Adams, G. E., Physics as Applied to Medicine (Inst. Canc. Res.)
Adler, M. W., M.B., B.S., M.D., M.R.C.P., M.F.C.M., Genito-Urinary Medicine (Mddx.H.M.S.)
Aitken, J. T., M.D., Anatomy (U.C.)
Alderson, M. R., M.D., F.F.C.M., F.S.S., Epidemiology (Inst. Can. Res.)
Alexander, A. G., B.D.S., M.D.S., F.D.S.R.C.S., Conservative Dentistry (U.C.H.M.S.)
Allred, H., D.D.S., Conservative Dentistry (Lond. H.M.C.)
Anderson, J., M.A., B.SC., M.D., F.R.C.P., Medicine (K.C.H.M.S.)
Anderson, J. A. D., M.A., M.D., D.R.C.O.G., D.P.H., M.R.C.G.P., F.F.C.M., Community Medicine (Guy's H.M.S.)
Arden, G. B., PH.D., Neurophysiology (Inst. Oph.)
Armstrong, W. G., M.SC., PH.D., Biochemistry in Relation to Dentistry (R.D.H.)
Arnstein, H. R. V., PH.D., D.SC., Biochemistry (K.C.)
Azzopardi, J. G., M.D., D.C.P., D.PATH., M.R.C.PATH., Oncology (R.P.M.S.)
Bachelard, H. S., M.SC., PH.D., Biochemistry (St. Thos's H.M.S.)
Bagshawe, K. D., M.D., M.R.C.P., Oncology (Ch. XH.M.S.)
Baker, J. B. E., B.M., B.CH., B.SC., M.A., Pharmacology (Ch. XH.M.S.)
Baker, P. F., Physiology (K.C.)
Banatvala, J. E., M.A., M.D., D.CH., D.PH., Clinical Virology (St. Thos's H.M.S.)
Baron, D. N., D.SC., M.D., F.R.C.P., F.R.C.PATH., Chemical Pathology (R.F.H.S.M.)
Beard, R. W., B.CHIR., M.D., M.R.C.O.G., Obstetrics and Gynaecology (St. Mary's H.M.S.)
Bell, F. R., B.SC., PH.D., F.R.C.V.S., Experimental Veterinary Medicine (R. Vet. C.)
Bellairs, A. d'A., M.A., D.SC., M.R.C.S., L.R.C.P., Vertebrate Morphology (St. Mary's H.M.S.)
Bennett, A., PH.D., D.SC., Pharmacology (K.C.H.M.S.)
Bennett, A. E., M.B.B.S., F.F.C.M., Epidemiology (St. G.'s H.M.S.)
Bentall, H. H., M.B., B.S., F.R.C.S., Cardiac Surgery (Royal Postgrad. M.S.)
Berman, D. S., D.ORTH.R.C.S., D.D.P.H.R.C.S., PH.D., Child Dental Health (London H.M.C.)
Berry, C. L., M.D., M.R.C.PATH., Morbid Anatomy (L.H.M.S.)
Berry, R. J., M.A., PH.D., Oncology (Middx. H.M.S.)
Billing, Barbara H., PH.D., Biochemistry (R.F.H.S.M.)
Bisset, G. W., D.PHIL., L.R.C.P., M.R.C.S., Pharmacology (St. Thos.'s H.M.S.)
Black, J. W., M.B., CH.B., Pharmacology (U.C.)
Blackwood, H. J. J., B.D.S., M.D., F.F.D., F.C.PATH., F.F.A.R.C.S.I., Oral Anatomy (L.S. Dent. Surg.)
Blandy, J. P., M.A. ,D.M., M.CH., F.R.C.S., Urology (London H.M.C.)
Blumgart, L., M.D., F.R.C.S., Surgery
Born, G. V. R., D.PHIL., M.A., Pharmacology (K.C.H.M.S.)
Bowden, Ruth E. M., M.B., B.S., D.SC., Anatomy (R.F.H.S.M.)
Bowen, D. A. L., M.A., D.PATH., D.M.J., M.R.C.PATH., F.R.C.P., F.R.C.PATH., Forensic Medicine (Ch. X.H.M.S.)
Bradbury, M. W. B., D.M., Physiology (K.C.)
Braden, M., B.SC., PH.D., Materials Science in Dentistry (Lond. H.M.C.)
Bradley, D. J., Tropical Hygiene (L.S. Hyg. & Trop. Med.)
Bradley, D. J., Optics (I.C.)
Brant, H. A., M.D., F.R.C.O.G., F.R.C.S., F.R.C.P., Clinical Obstetrics and Gynaecology (U.C.H.M.S.)
Brass, W., M.A., Medical Demography (L.S. Hyg. & Trop. Med.)
Breathnach, A. S., M.SC., M.D., Anatomy (St. Mary's H.M.S.)
Brent, L., B.SC., PH.D., Immunology (St. My.'s H.M.S.)
Brindley, G. S., M.D., M.R.C.S., L.R.C.P., F.R.S., Physiology (Inst. Psychiatry)
Brooks, R. V., PH.D., D.SC., F.R.C.PATH., Chemical Endocrinology (St. Thos.'s H.M.S.)
Brown, D. A., PH.D., Experimental Pharmacology (Sch. Pharm.)
Browse, N. L., M.D., F.R.C.S., Vascular Surgery (St. Thos.'s H.M.S.)
Brumfitt, W., M.B., B.S., PH.D., M.R.C.P., F.R.C.PATH., Medical Microbiology (R.F.H.S.M.)
Burnstock, G., PH.D., M.SC., D.SC., Anatomy (U.C.)
Calnan, J. S., L.D.S., M.R.C.P., F.R.C.S.E., Plastic and Reconstructive Surgery (Royal Postgrad. M.S.)
Cameron, J. M., PH.D., M.D., D.M.J., M.R.C.PATH., Forensic Medicine (Lond. H.M.C.)
Cameron, J. S., M.D., M.R.C.P., Renal Medicine (St. G.'s H.M.S.)
Campbell, P. N., PH.D., D.SC., Biochemistry (Middx. H.M.S.)
Campbell, S., M.B., CH.B., M.R.C.O.G., Obstetrics and Gynaecology (K.C.H.M.S.)
Carter, C. O., M.A., D.M., F.R.C.P., Clinical Genetics (Inst. Child Health)
Cavanagh, J. B., M.D., M.R.C.P., Applied Neurobiology (Inst. Neurology)
Cawley, R. H., PH.D., D.P.M., M.R.C.P., F.R.C.PSYCH., Psychological Medicine (K.C.H.M.S.)
Cawson, R. A., B.D.S., M.D., M.C.PATH., L.M.S.S.A., F.D.S.R.C.S., Dental Medicine (Guy's H.M.S.)
Chard, T., M.D., M.R.C.O.G., Reproductive Physiology (St. Bart's H.M.C.)
Claireaux, A. E., M.D., F.R.C.P., F.R.C.O.G., F.R.C.PATH., Histopathology (Inst. Child Health)
Clark, C. G., CH.M., M.D., F.R.C.S., Surgery (U.C.H.M.S.)

Clark, T. J. H., M.D., F.R.C.P., Thoracic Medicine (Guy's H.M.S.)
Clarke, Patricia H., M.A., D.SC., Biochemistry (Microbial) (U.C.)
Cohen, R. D., M.A., M.B., B.CHIR., M.D., M.R.C.P., Metabolic Medicine (Lond. H.M.C.)
Cohen, S., C.B.E., PH.D., M.D., F.C.PATH., F.R.S., Chemical Pathology (Guy's H.M.S.)
Coltheart, M., M.A., PH.D., Psychology (Bk.C.)
Conway, C. M., D.A., F.F.A.R.C.S., Anaesthetics (West.M.S.)
Corsellis, J. A. N., M.R.C.S., F.R.C.P., F.R.C.PATH., F.R.C.PSYCH., Neuropathology (Inst. Psych.)
Cotchin, E., D.SC., M.R.C.V.S., Veterinary Pathology (R. Vet. C.)
Craft, I., Obstetrics and Gynaecology (R.F.H.S.M.)
Cranston, W. I., M.A., M.D., F.R.C.P., Medicine (St. Thos.'s H.M.S.)
Crawford, N., PH.D., Biochemistry (Inst. Bas. Med. Sci.)
Creese, R., M.B., B.S., PH.D., Physiology (St.My.'s H.M.S.)
Crisp, A. H., M.D., F.R.C.P., F.R.C.P.E., F.R.C.PSYCH., Psychiatry (St. G.'s H.M.S.)
Cross, K. W., D.SC., PH.D., F.R.C.P., Physiology (L.H.M.C.)
Currey, H. L. F., M.MED., F.R.C.P., Rheumatology (L.H.M.C.)
Curson, I., B.D.S., F.D.S.R.C.S., Conservative Dentistry (K.C.H.M.S.)
Curzen, P., B.SC., M.D., L.R.C.P., M.R.C.S., F.R.C.O.G., Obstetrics and Gynaecology (West. M.S.)
Curzon, G., D.SC., Neurochemistry (Inst. of Neurology)
Daly, M. de B., M.A., M.D., SC.D., Physiology (St. Bart.'s H.M.C.)
Datta, S. P., B.SC., M.B., B.S., Medical Biochemistry (U.C.)
Davies, A. J. S., PH.D., Immunobiology (Inst. Canc. Res.)
Davies, M. J., M.D., L.R.C.P., M.R.C.S., M.R.C.PATH., Cardio-Vascular Pathology (St. G.'s H.M.S.)
Davison, A. N., B.PHARM., PH.D., D.SC., F.P.S., Neurochemistry (Inst. of Neurology)
Dawson, G. D., M.B., CH.B., M.SC., Physiology (U.C.)
Day, M. H., M.B., B.S., PH.D., L.R.C.P., M.R.C.S., Anatomy (St. Thos's H.M.S.)
De Wardener, H. E., M.B.E., M.D., M.R.C.P., Medicine (Ch. X H.M.S.)
Dewhurst, Sir John, M.B., CH.B., M.R.C.O.P., F.R.C.S.E., Obstetrics and Gynaecology (Inst. Obstetrics)
Dick, G. W. A., M.D., M.R.C.P., F.R.C.P.E., Pathology (Inst. Child Health)
Dickinson, C. J., B.SC., M.A., D.M., M.R.C.P., Medicine (St. Bart.'s H.M.C.)
Dilly, P. N., M.SC., M.B., B.S., PH.D., G.M., Structural Biology (St. G.'s H.M.S.)
Dollery, C. T., M.B., B.S., B.SC., CH.B., F.R.C.P., Clinical Pharmacology (R. Postgrad. M.S.)
Donovan, B. T., PH.D., Neuroendocrinology (Inst. Psych.)
Dornhorst, A. C., C.B.E., M.D., F.R.C.P., Medicine (St. G.'s H.M.S.)
Dowling, R. H., M.D., F.R.C.P., Gastroenterology (Guy's H.M.S.)
Downman, C. B. B., PH.D., M.R.C.S., L.R.C.P., Physiology (R.F.H.S.M.)
Du Boulay, E. P. G. H., D.M.R.D., F.R.C.P., F.F.R., Neuroradiology (Inst. Neurology)
Dubowitz, V., D.C.H., M.D., M.R.C.P., Paediatrics (Inst. Child Health)
Duchen, L. W., PH.D., D.C.P., M.R.C.PATH., Neuropathology (Inst. Neur.)
Duckworth, R., B.D.S., M.D., M.C.PATH., F.D.S.R.C.S., Oral Medicine (Lond. H.M.S.)
Dudgeon, J. A., C.B.E., M.C., T.D., D.L., M.A., M.D., F.R.C.P., F.R.C.PATH., Microbiology (Inst. Child Health)
Dudley, H. A. F., M.B., CH.M., F.R.C.S.E., F.R.A.C.S., Surgery (St. My.'s H.M.S.)
Dumbell, K. R., M.D., Virology (St. Mary's H.M.S.)
Edwards, R. H. T., PH.D., M.R.C.P., Human Metabolism (U.C.H.M.S.)
Elder, M. G., M.D., M.R.C.O.G., F.R.S.C.E., Obstetrics and Gynaecology (Inst. Obst.)
Ellis, H., M.CH., D.M., F.R.C.S., Surgery (West. M.S.)
Emslie, R. D., B.D.S., M.S., M.SC., F.D.S., Preventive Dentistry (Guy's H.M.S.)
Ettlinger, G., M.A., PH.D., Neuropsychology (Inst. Psych.)
Exton-Smith, A. N., M.A., M.B., B.CHIR., M.D., F.R.C.P., Geriatric Medicine (U.C.H.M.S.)
Fairbairn, J. W., PH.D., D.SC., Pharmacognosy (Sch. Pharm.)
Fairweather, D., M.D., F.R.C.O.G., Obstetrics and Gynaecology (U.C.H.M.S.)
Fatt, P., PH.D., F.R.S., Biophysics (U.C.)
Fearnhead, R. W., M.D.S., L.D.S., D.SC., Dental Anatomy (Lond. H.M.C.)
Festenstein, H., M.B., CH.B., M.R.C.PATH., Immunology (Lond. H.M.C. and St. Bart's H.M.C.)
Floyer, M. A., M.A., M.D., F.R.C.P., Medicine (Lond. H.M.C.)
Flute, P. T., M.D., M.C.PATH., Haematology (St. G.'s H.M.S.)
Flynn, F. V., M.D., M.R.C.P., M.C.PATH., Chemical Pathology (U.C.H.M.S.)
Foster, C. L., PH.D., D.SC., Cellular Biology, Histology (St. My.'s H.M.S.)
Galton, D. A. G., M.D., F.R.C.P., Oncology-Haematological (R.P.M.S.)
Garner, A., M.D., Pathology (Inst. Oph.)
Garrett, J. R., B.SC., M.B., B.S., PH.D., L.D.S., L.R.C.S., M.R.C.PATH., Oral Pathology (K.C.H.M.S.)
Gilliat, R. W., M.A., D.M., F.R.C.P., Clinical Neurology (Inst. Neurology)
Glenister, T. W., T.D., M.B., B.S., PH.D., D.SC., Anatomy (Ch. X H.M.S.)
Gloster, J., PH.D., M.D., Experimental Ophthalmology (Inst. Oph.)
Glynn, A. A., M.D., M.R.C.P., M.C.PATH., Bacteriology (St. Mary's H.M.S.)
Goldsmith, R., B.A., M.B., B.CH., Physiology (Che. C.)
Goodwin, J. F., M.D., F.R.C.P., Clinical Cardiology (Royal Postgrad. M.S.)
Gowing, N. F. C., M.D., F.R.C.PATH., Tumour Pathology (Inst. Canc., Res.)
Graham, P. J., M.B., B.CHIR., D.P.M., F.R.C.P., F.R.C.PSYCH., Child Psychiatry (Inst. Child Health)
Greaves, M. W., M.D., PH.D., F.R.C.P., Dermatology (Inst. Dermat.)
Green, J. H., M.A., M.B., B.CHIR., PH.D., Physiology (Middx. H.M.S.)
Gunn, J., M.D., M.R.C.PSYCH., Forensic Psychiatry (Inst. Psych.)
Guz, A., M.D., M.R.C.P., Medicine (Ch. XH.M.S.)
Hancock, J. L., M.V.SC., PH.D., Veterinary Anatomy (R. Vet. C.)
Hardisty, R. M., M.D., M.R.C.P., F.C.PATH., Haematology (Inst. Child Health)
Harkness, R. D. M. I.-K., B.SC., M.B., B.S., Physiology (U.C.)
Harris, J. W. S., M.B., B.S., PH.D., M.R.C.O.G., Anatomy (R.F.H.S.M.)
Harris, M., M.D., F.D.S.R.C.S., Oral Surgery (Inst. Dent. Surg.)
Harris, P. C., PH.D., M.D., F.R.C.P., Cardiology (Inst. Cardiology)
Harrison, D. F. N., M.D., F.R.C.S., Laryngology and Otology (Inst. Laryngology)
Hayward, J. C., PH.D., Nursing Studies (Chel. C.)
Healy, M. J. R., B.A., Medical Statistics (L.S. Hyg. & Trop. Med.)
Heath, R. B., M.D., Virology (St. Bart.'s H.M.C.)
Hermon-Taylor, J., M.CHIR., Surgery (St. G.'s H.M.S.)
Higgins, P. M., M.B.B.S., M.R.C.P., Medicine—General Practice (Guy's H.M.S.)
Hill, D. K., M.A., SC.D., F.R.S., Biophysics (R.P.M.S.)
Hill, Sir Denis, M.B., F.R.C.P., F.R.C.PSYCH., D.P.M., Psychiatry (Inst. Psychiatry)
Hilson, C. R. F., M.D., F.C.PATH., Bacteriology (St. G.'s H.M.S.)
Hinchcliffe, R., PH.D., M.D., D.L.O., F.R.C.P.E., Medicine—Audiological (Inst. L. & O.)
Hinton, J. M., M.D., M.R.C.P., D.P.M., Psychiatry (Middx. H.M.S.)
Hirsch, S. R., M.PHIL., M.D., M.R.C.P., M.R.C.PSYCH., Psychiatry (Ch. X.H.M.S.)
Hobbiger, F., PH.D., M.D., D.SC., Pharmacology (Middx. H.M.S.)
Hobbs, J. R., M.D., D.OBST.R.C.O.G., M.R.C.P., M.C.PATH., Chemical Pathology (West. M.S.)
Hobbs, K. E. F., M.B., B.S., CH.M., F.R.C.S., Surgery (R.F.H.S.M.)
Hobsley, M., M.A., M.CHIR., PH.D., F.R.C.S., Surgical Science (Middx. H.M.S.)
Hodges, J. R., B.PHARM., PH.D., D.SC., Endocrine Physiology and Pharmacology (R.F.H.S.M.)
Hoffbrand, A. V., M.A., D.M., M.R.C.P., D.C.P., M.R.C.PATH., Haematology (R.F.H.S.M.)
Holland, W. W., B.SC., B.S., M.D., Clinical Epidemiology (St. Thos.'s H.M.S.)
Holt, K. S., M.D., F.R.C.P., Paediatrics-Developmental (Inst. Child Health)
Houston, W. J. B., B.D.S., Orthodontics (L.S. Dent. Surg.)
Howe, A., PH.D., Physiology (Chel. C.)
Huehns, E. R., PH.D., M.D., M.R.C.PATH., Haematology (U.C.H.M.S.)
Hughes-Jones, N. C., M.A., PH.D., D.M., Haematology (St. Mary's H.M.S.)
Humphrey, J. H., C.B.E., M.D., F.I.BIOL., F.R.S., Immunology (R.P.M.S.)
Hunter, W. H., B.SC., PH.D., Pharmaceutical Chemistry (Chel. C.)
Huntingford, P. J., D.OBST.R.C.O.G., M.R.C.O.G., M.D., Obstetrics and Gynaecology (L.H.M.C. & St. Bart.'s H.M.C.)
Hurley, Rosalinde, M.D., L.R.C.P., M.R.C.S., M.R.C.PATH., Microbiology (Inst. Obst.)
Hutt, M.S.R., M.D., M.R.C.S., F.R.C.P., F.R.C.PATH., Geographical Pathology (St. Thos.'s H.M.S.)
Huxley, Sir Andrew F., M.A., D.SC., M.D., F.R.S., Physiology (U.C.)
Ingram, G. I. C., M.A., M.D., Experimental Haematology (St. Thos.'s H.M.S.)
James, D. W., M.B., B.S., Anatomy (U.C.)
James, V. H. T., PH.D., D.SC., F.R.I.C., Chemical Pathology (St. My.'s H.M.S.)
Jefferys, Mrs. M., B.SC.(ECON.), Medical Sociology (Bfd.C.)

Jenkins, G. C., M.B.B.S., PH.D., M.R.C.PATH., Haematology (Lond. H.M.C.)
Jenkins, J. S., M.D., F.R.C.P., Endocrinology—Clinical (St. G.'s H.M.S.)
Johnson, F. R. B.A.O., M.D., Anatomy (Lond. H.M.C.)
Johnson, N. W., L.D.S., M.D.SC., F.D.S.R.C.S., F.A.C.D.S., Oral Pathology (L.H.M.C.)
Jones, A. E., M.D., M.R.C.P., D.M.R.T., Radiotherapy (St. Bart.'s H.M.C.)
Jones, B. R., M.B., CH.B., D.F.R.C.S., Clinical Ophthalmology (Inst. Ophthalmology)
Jones, E. Wilson, M.B., B.CHIR., M.R.C.P., Pathology—Dermatological (Inst. Dermat.)
Joseph, J., D.SC., M.D., M.R.C.O.G., Anatomy (Guy's H.M.S.)
Judah, J. D., B.A., B.M., B.CH., M.R.C.P., Experimental Pathology (U.C.H.M.S.)
Jukes, M. G. M., M.A., D.M., Veterinary Physiology (R.Vet.C.)
Kakkar, V. V., M.B., B.S., F.R.C.S., Surgical Science (K.C.H.M.S.)
Keatinge, W. R., M.A., M.B., B.CHIR., PH.D., Physiology (Lond. H.M.C.)
Keen, H., M.D., M.R.C.P., Human Metabolism (Guy's H.M.S.)
Kessel, L., M.B.E., M.C., L.R.C.P., F.R.S.C.S.(ENG.), Orthopaedics (Inst. Orth.)
Kinmonth, J. B., M.S., F.R.C.S., Surgery (St. Thos.'s H.M.S.)
Kramer, I. R. H., M.D.S., F.D.S.R.C.S. (ENG.), F.R.C.PATH., Oral Pathology (Inst. Dent. Surg.)
Laing, J. A., PH.D., M.R.C.V.S., Animal Husbandry and Veterinary Hygiene (R. Vet. C.)
Lambert, H. P., M.A., M.D., F.R.C.P., Microbial Diseases (St. G.'s H.M.S.)
Lamerton, L. F., PH.D., D.SC., F.INST.P., F.R.C.PATH., Biophysics applied to Medicine (Inst. Canc. Res.)
Landon, J., M.D., M.R.C.S., L.R.C.P., Chemical Pathology (St. Bart.'s H.M.C.)
Lant, A. F., PH.D., F.R.C.P., F.R.C.P.E., Clinical Pharmacology and Therapeutics
Laurence, D. R., M.D., F.R.C.P., Pharmacology and Therapeutics (U.C.H.M.S. and U.C.)
Lawther, P. J., M.B., D.SC., F.R.C.P., Environmental Medicine (St. Bart.'s H.M.C. and L.H.M.C.)
Ledingham, J. M., M.D., F.R.C.P., Medicine (Lond. H.M.C.)
Lee, J., M.D., D.SC., M.R.C.P., Endocrine Physiology (Ch. X H.M.S.)
Lehner, T., M.D., B.D.S., F.D.S.R.C.S., M.R.C.PATH., Oral Immunology (Guy's H.M.S.)
Leighton, B. C., M.D.S., D.ORTH.R.C.S.. Orthodontics (K.C.H.M.S.)
Le Quesne, L. P., M.A., M.CH., D.M., F.R.C.S., Surgery (Middx. H.M.S.)
Lennard-Jones, J. E., M.A., M.D., F.R.C.P., Gastroenterology (Lond. H.M.C.)
Lessof, M. H., M.A., M.D., F.R.C.P., Medicine (Guy's H.M.S.)
Lewis, B., PH.D., M.D., M.R.C.P., M.R.C.PATH., Chemical Pathology (St. Thos.'s H.M.S.)
Lewis, G. P., PH.D., Pharmacology (Inst. Bas. Med. Sci.)
Lewis, O. J., M.D., Anatomy (St. Bart.'s H.M.C.)
Lloyd, June K., M.D., F.R.C.P., Child Health (St. G.'s H.M.S.)
Logan, R. F. L., M.D., F.R.C.P., D.I.H., Organization of Medical Care(L.S.Hyg & Trop. Med.)
Lucas, R. B., M.D., F.R.C.P., F.R.C.PATH., D.P.H., Oral Pathology (L.S. Dent. Surg.)
Lucy, J. A., B.SC., M.A., PH.D., Biochemistry (R.F.H.S.M.)
Macartney, F. J., B.A., B.CH., M.B., M.R.C.P., Paediatric Cardiology (Inst. Child Health)
McColl, I., M.S., F.R.C.S., Surgery (Guy's H.M.S.)
Macdonald, I., PH.D., D.SC., M.D., D.OBST.R.C.O.G., Applied Physiology (Guy's H.M.S.)
McDonald, J. C., M.SC., M.D., D.PH., D.I.H., F.R.C.P., Occupational Health (L.S. Hyg. & Trop. Med.)
Macdonald, W. I., PH.D., F.R.C.P., Clinical Neurology (Inst. Neurology)
Macdonald, W. W., PH.D., D.SC., Entomology—Medical (L.S. Hyg. & Trop. Med.)
MacIntyre, I., M.B., CH.B., PH.D., D.SC., M.R.C.PATH., Endocrine Chemistry (Royal Postgrad. M.S.)
Mackenzie, D. H., M.A., M.D., M.R.C. PATH., Histopathology (West M.S.)
Mack, A. O., M.D.S., L.D.S.R.C.S., Dental Prosthetics (Inst. Dent. Surg.)
McMinn, R. M. H., PH.D., M.D., Anatomy (Inst. Basic Med. Sci.)
Magnus, I. A., M.A., M.D., F.R.C.P., Photobiology (Inst. Dermatology)
Mant, A. K., M.D., M.R.C.PATH., Forensic Medicine (Guy's H.M.S.)
Marley, E., M.A., M.B., B.CHIR., M.D., D.SC., D.P.M., F.R.C.P., Pharmacology (Inst. Psych.)
Marsden, C. D., M.SC., M.D., B.S., M.R.C.P., Neurology (K.C.H.M.S.)
Marshall, J., M.D., M.R.C.P., Clinical Neurology (Inst. Neurology)
Mathews, A. M., PH.D., Psychology (St. G.'s H.M.S.)
Matthews, D. M., PH.D., M.D., M.C.PATH., Experimental Chemical Pathology (West M.S.)
Melrose, D. G., B.M., B.CH., M.A., M.R.C.P., F.R.C.S., Surgical Science (R. Postgrad. M.S.)
Michaels, L., M.D., M.R.C.PATH., F.R.C.P.(C.), Pathology (Inst. Laryngology)
Miledi, R., B.SC., M.D., F.R.S., Biophysics (U.C.)
Millard, P. H., M.B., B.S., M.R.C.S., F.R.C.P., Geriatric Medicine (St. G.'s H.M.S.)
Miller, D. L., M.A., D.P.H., M.D., F.R.C.P., F.F.C.M., Community Medicine (Middx. H.M.S.)
Mills, J. R. E., M.SC., D.D.S., F.D.S., F.D.S.R.C.S., Orthodontics (Inst. Dent. Surg.)
Milne, M. D., B.SC., B.CH., M.D., F.R.C.P., F.R.S., Medicine (West. M.S.)
Mims, C. A. C., B.S., M.D., Microbiology (Guy's H.M.S.)
Mitcheson, D. A., M.B., M.CHIR., Bacteriology (Infectious Diseases) (R. Postgrad. M.S.)
Mollin, D. L., B.SC., M.B., CH.B., M.C.PATH., M.R.C.P., Haematology (St. Bart.'s H.M.C.)
Mollison, P. L., M.D., F.R.S., F.R.C.P., Haematology (St. Mary's H M.S.)
Mongar, J. L., PH.D., Pharmacology (U.C.)
Morrant, G. A., M.D.S., D.D.S., Conservative Dentistry (Inst. Dent. Surg.)
Morrell, D. C., M.B.B.S., M.R.C.P., D.OBST.R.C.O.G., F.R.C.G.P., Medicine—General Practice (St. Thos.'s H.M.S.)
Morris, N. F., M.D., F.R.C.O.G., Obstetrics and Gynaecology (Ch. X H.M.S.)
Mortimer, K. V., PH.D., L.D.S.R.C.S., Conservative Dentistry (R.D.H.)
Moss, D. W., PH.D., D.SC., Clinical Enzymology (R.P.M.S.)
Moss, J. P., Orthodontics (U.C.H.M.S.)
Mowbray, J. F., B.A., M.B., B.CHIR., M.R.C.P., Immunopathology (St. Mary's H.M.S.)
Murray, J. G., M.B., CH.M., F.R.C.S.E., F.R.C.S., Surgery (K.C.H.M.S.)
Naylor, M. N., PH.D., F.D.S.R.C.S., Preventative Dentistry (Guy's H.M.S.)
Naylor, P. F. D., Dermatology (St. Thos.'s H.M.C.)
Naylor, Mrs. W. G., D.SC., Cardiac Metabolism (Cardiothoracic Inst.)
Neil, E., M.D., D.SC., Physiology (Middx. H.M.S.)
Neill, D. J., D.F.C., M.D.S., F.D.S.R.C.S., Dental Prosthetics (Guy's H.M.S.)
Nelson, G. S., D.SC., M.D., D.T.M. & H., Helminthology (L.S. Hyg. & Trop. Med.)
Neville, A. M., CH.B., PH.D., M.D., M.R.C.PATH., Experimental Pathology (Inst. Cancer Res.)
Newton, J. M., PH.D., Pharmaceutics (Chel. C.)
Nias, A. H. W., D.M., D.M.R.T., F.Q.C.R., Cancer Research (St. Thos's H.M.S.)
Noakes, D. E., PH.D., M.R.C.V.S., Veterinary Obstetrics and Diseases of Reproduction (R. Vet. C.)
O'Neil, R., B.D.S., M.R.C.S., L.R.C.P., F.D.S.R.C.S., Oral Surgery (U.C.H.M.S.)
Oppé, T. E., M.B., B.S., D.CH., F.R.C.P., Paediatrics (St. My.'s H.M.S.)
Owen, J. A., B.SC., PH.D., M.D., M.C.PATH., Chemical Pathology (St. G.'s H.M.S.)
Pasternak, C. A., D.PHIL., Biochemistry (St. G.'s H.M.S.)
Pattison, J. R., D.M., Medical Microbiology (K.C.H.M.S.)
Paykel, E. S., M.D., M.R.C.P., M.R.C.PSYCH., Psychiatry (St. G.'s H.M.S.)
Pearse, A. G. E., M.A., M.D., F.R.C.P., Histochemistry (P.M.S.L.)
Peart, W. S., M.D., F.R.S., F.R.C.P., Medicine (St. Mary's H.M.S.)
Peckham, M. J., M.A., M.D., D.M.R.T., F.F.R., Radiotherapy (Inst. Canc. Res.)
Pegrum, G. D., M.D., M.R.C.P., M.R.C.PATH., Haematology (West. M.S.)
Penny, R. H. C., PH.D., F.R.C.V.S., M.A.C.V.S.C., Clinical Veterinary Medicine (R. Vet. C.)
Pepys, J., M.B., CH.B., M.R.C.P., Clinical Immunology (Inst. Diseases/Chest)
Perkins, E. S., PH.D., M.D., F.R.C.S., Experimental Ophthalmology (Inst. Ophthalmology)
Peters, D. K., M.B., B.CH., M.R.C.P., Medicine (R.P.M.S.)
Phillips, I., M.A., M.D., M.R.C.PATH., Microbiology—Medical (St. Thos.'s H.M.S.)
Picton, D. C. A., B.D.S., B.SC., PH.D., F.D.S.R.C.S., Experimental and Preventive Dentistry (U.C.H.M.S.)
Pilkington, T. R. E., M.D., F.R.C.P., Medicine (St. G.'s H.M.S.)
Playfair, J. H. L., PH.D., Immunology (Middx. H.M.S.)
Polani, P. E., M.D., F.R.C.P., D.C.H., F.R.S., Paediatric Research (Guy's H.M.S.)
Pond, D. A., M.A., M.D., F.R.C.P., D.P.M., Psychiatry (Lond. H.M.C.)
Porter, K. A., D.SC., M.D., Pathology (St. Mary's H.M.S.)
Prankerd, T. A. J., M.D., F.R.C.P., Clinical Haematology (U.C.H.M.S.)
Pridham, J. B., PH.D., D.SC., Biochemistry (R.H.C.)

PRIEST, R. G., B.S., D.P.M., M.D., M.R.C.P.E., M.R.C.PSYCH., Psychiatry (St. My.'s H.M.S.)

PROPHET, A. S., D.D.S., F.D.S., Dental Surgery (U.C.H.M.S.)

QUILLIAM, J. P., M.B., B.S., D.SC., M.R.C.P., Pharmacology (St. Bart.'s H.M.C.)

RAINS, A. J. H., M.S., L.R.C.P., F.R.C.S., Surgery (Ch. X H.M.S.)

RANG, H. P., M.SC., M.B., B.S., D.PHIL., M.A., Pharmacology (St. G.'s H.M.S.)

REES, W. L. L., C.B.E., M.D, D.CH., F.R.C.P., Psychiatry (St. Bart's H.M.C.)

REYNOLDS, E. O. R., M.D., D.CH., F.R.C.P., Paediatrics—Neonatal (U.C.H.M.S.)

RITCHIE, H. D., M.A., CH.M., F.R.C.S., Surgery (Lond. H.M.C.)

ROBERTSON, W. B., B.SC., M.D., Histopathology (St. G.'s H.M.S.)

ROBINSON, R. J., M.A., D.PHIL., D.CH., F.R.C.P., Paediatrics (Guy's H.M.S.)

ROBSON, E. B., PH.D., Human Genetics (U.C.)

ROBSON, J. G., C.B.E., M.B., CH.B., D.A., F.F.A.R.C.S., Anaesthetics (Royal Postgrad. M.S.)

RODNIGHT, R. B., D.SC., Neurochemistry (Inst. Psych).

ROITT, I. M., D.PHIL., Immunology (Middx. H.M.S.)

ROSE, G. A., M.A., M.D., M.R.C.P., Epidemiology and Preventive Medicine (St. My.'s H.M.S.)

ROSS, E. J., PH.D., M.D., F.R.C.P., Endocrinology (U.C.H.M.S.)

ROWE, A. H. R., M.D.S., F.D.S.R.C.S., Conservative Dental Surgery (Guy's H.M.S.)

RUSSELL, G. F. M., M.D., F.R.C.P., Psychiatry (R.F.H.S.M.)

RUTTER, M. L., M.D., M.R.C.P., Child Psychiatry (Inst. Psych.)

RYMAN, BRENDA E., M.A., PH.D., Biochemistry (Ch. X H.M.S.)

SANDLER, M., M.B., CH.B., M.D., M.R.C.P., F.R.C.PATH, Chemical Pathology (Inst. Obst.)

SCHEUER, P. J., F.D., F.R.C.PATH., Clinical Histopathology (R.F.H.S.M.)

SCOPES, J. W., PH.D., M.R.C.P., Paediatrics (St. Thos's. H.M.S.)

SCOTT, G. B. D., M.D., Histopathology (R.F.H.S.M.)

SCOTT, PATRICIA P., M.B.E., PH.D., Nutritional Physiology (R.F.H.S.M.)

SEARS, T. A., PH.D., Neurophysiology (Inst. Neurology)

SEMPLE, S. J. G., M.D., F.R.C.P., Medicine (Middx. H.M.S.)

SEWARD, G. R., M.B., B.S., M.D.S., F.D.S. R.C.S., Oral Surgery (Lond. H.M.C.)

SHAPER, A. G., M.B., CH.B., D.T.M., & H., M.R.C.PATH., F.R.C.P., F.F.C.M., Epidemiology—Clinical (R.F.H.S.M.)

SHEPHERD, M., M.A., M.D., M.R.C.P., D.P.M., Epidemiological Psychiatry (Inst. Psychiatry)

SHERLOCK, Dame SHEILA, D.B.E., M.D., F.R.C.P., Medicine (R.F.H.S.M.)

SHILLINGFORD, J. P., M.D., F.R.C.P., Cardiovascular Medicine (Royal Postgrad. M.S.)

SHOOTER, R. A., M.A., M.D., F.R.C.P., F.R.C.PATH., Microbiology (St. Bart.'s H.M.C.)

SILVER, P. H. S., M.B. B.S., PH.D., Anatomy (Middx. H.M.S.)

SIMS, W., PH.D., M.S., F.D.S.R.C.S., Microbiology in Relation to Dentistry (R.D.H.L.D.S.)

SISSONS, H. A., M.B., B.S., Morbid Anatomy (Inst. Orth.)

SLOPER, J. C., M.A., M.D., M.R.C.P., F.R.C.PATH., Experimental Pathology (Ch. X H.M.S.)

SMART, Sir GEORGE, B.SC., M.D., B.S., F.R.C.P., Medicine (Inst. Neur.)

SMITH, J. F., B.A., M.B., B.CHIR., M.R.C.P., Morbid Anatomy (U.C.H.M.S.)

SMITH, M. J. H., M.PHARM., PH.D., F.R.I.C., Chemical Pathology (K.C.H.M.S.)

SOOTHILL, J. F., M.A., M.B., B.CHIR., M.R.C.P., M.R.C.PATH., Immunology (Inst. Child Health)

SOWRAY, J. H., B.D.S., M.R.C.S., L.R.C.P., F.D.S., Oral Surgery (K.C.H.M.S.)

SPECTOR, R. G., Pharmacology—Applied (Guy's H.M.S.)

SPECTOR, W. G., M.A., M.B., B.CH., M.R.C.P., Pathology (St. Bart.'s H.M.C.)

SPEIRS, R. L., PH.D., Physiology in relation to Dentistry (Lond. H.M.C.)

SPENCER, H., M.D., F.C.PATH., F.R.C.S., Morbid Anatomy (St. Thos.'s H.M.S.)

STEINBERG, HANNAH, PH.D., Psychopharmacology (U.C.)

STEINER, R. E., B.A.O., M.D., F.R.C.P., F.F.R., D.M.R.D., Diagnostic Radiology (Royal Postgrad. M.S.)

STERN, H., M.B., CH.B., PH.D., M.R.C.PATH, Virology (Guy's H.M.S.)

STEWART, J. W., M.B., B.S., Haematology (Middx. H.M.S.)

STRANG, L. B., M.D., M.R.C.P., Paediatrics (U.C.H.M.S.)

STRAUGHAN, D. W., M.B., B.S., B.SC., PH.D., L.R.C.P., M.R.C.S., Pharmacology (Sch. Pharm.)

STROUD, C. E., M.B., B.CH., M.R.C.P., D.C.H., Child Health (K.C.H.M.S.)

STRUNIN, L., M.B., B.S., M.D., F.F.A.R.C.S., Anaesthetics (K.C.H.M.S.)

SYKES, M. K., M.D., D.A., F.F.A.R.C.S., Clinical Anaesthesia (R.P.M.S.)

SYMMERS, W. ST. C., PH.D., M.D., M.R.C.P.ED., F.R.C.P., Morbid Anatomy (Ch. X H.M.S.)

SYMON, L., M.B., CH.B., F.R.C.S., F.R.C.S.E., Neurological Surgery (Inst. Neurology)

TANNER, J. M., D.SC., PH.D., M.D., M.R.C.P., Child Health and Growth (Inst. Child Health)

TAYLOR, A., B.SC., M.B., B.S., Physiology (St. Thos.'s H.M.S.)

TAYLOR, D. E. M., M.B., CH.B., B.SC., F.R.C.S., Applied Physiology (Inst. Bas. Med. Sci.)

TAYLOR, G. W., M.S., F.R.C.S., Surgery (St. Bart.'s H.M.C.)

TAYLOR, R. W., M.D., M.R.C.O.G., Obstetrics and Gynaecology (St. Thos.'s H.M.S.)

THOMAS, P. K., B.SC., M.D., M.R.C.P., Neurology (R.F.H.M.S.)

TIGHE, J. R., B.SC., M.B., B.CH., M.D., F.R.C.P., M.R.C.PATH., Histopathology (St. Thos.'s H.M.S.)

TROUNCE, J. R., M.D., F.R.C.P., Clinical Pharmacology (Guy's H.M.S.)

TRUSSELL, R. R., B.M., CH.M., F.R.C.O.G., Obstetrics and Gynaecology (St. G.'s H.M.S.)

TULLEY, W. J., B.D.S., F.D.S., PH.D., Orthodontics (Guy's H.M.S.)

TURK, J. L., M.D., D.SC., Pathology (Inst Basic Med. Sciences)

TURNER, P., B.SC., M.D., M.B.B.S., M.R.C.P., Clinical Pharmacology (St. Bart.'s H.M.C.)

TURNER-WARWICK (Mrs.), MARGARET E. H., D.M., PH.D., F.R.C.P., Thoracic Medicine (Cardio-Thoracic Inst.)

VAUGHAN, L. C., D.SC., F.R.C.V.S., Veterinary Surgery (R. Vet. C.)

VERE, D. W., M.D., M.R.C.P., Therapeutics (Lond. H.M.C.)

WALKER, P. G., PH.D., Chemical Pathology (Inst. Orth.)

WALL, P. D., M.A., D.M., Anatomy (U.C.)

WARREN, M. D., M.D., D.P.H., D.I.H., Community Health (L.S.H.T.M.)

WARWICK, R., B.SC., PH.D., M.D., Anatomy (Guy's H.M.S.)

WATERLOW, J. C., M.D., SC.D., F.R.C.P., Nutrition (L.S. Hyg. & T.M.)

WATERS, N. E., M.SC., PH.D., Physical Sciences in relation to Dentistry (R.D.H.)

WATERSON, A. P., M.D., M.R.C.P., Virology (Royal Postgrad. M.S.)

WATKINS, E. S., M.B., CH.B., B.SC., M.D., F.R.C.S., Neurosurgery (Lond. H.M.C.)

WATSON, J. P., M.A., M.D., D.CH., D.P.M., M.R.C.P., M.R.C.PSYCH., Psychiatry (Guy's H.M.S.)

WATSON, R. M., M.D.S., F.D.S.R.C.S., Dental Prosthetics (K.C.H.M.S.)

WEBSTER, K. E., M.B.B.S., B.SC., PH.D., Anatomy (K.C.)

WEINBREN, H. K., B.SC., M.B., B.CH., M.D., M.C.PATH., F.R.C.PATH., Histopathology (R. Postgrad. M.S.)

WELBOURN, R. B., M.A., M.D., F.R.C.S., Surgical Endocrinology (Royal Postgrad. M.S.)

WETHERLEY-MEIN, G., B.A., M.D., Haematology (St. Thos.'s H.M.S.)

WHITE, J. M., M.B., CH.B., Haematology (K.C.H.M.S.)

WIDDICOMBE, J. G., M.A., D.PHIL., D.M., Physiology (St. G.'s H.M.S.)

WILKINSON, A. W., CH.M., F.R.C.S., Paediatric Surgery (Inst. Child Health)

WILLIAMS, E. W., M.D., PH.D., Nuclear Medicine (Middx. H.M.S.)

WILLIAMS, J. D., B.SC., M.B., CH.B., D.C.P., M.D., M.R.C.P., Medical Microbiology (Lond. H.M.C.)

WILLIAMS, P. L., M.A., M.B., B.CHIR., Anatomy (Guy's H.M.S.)

WILLIAMSON, R., M.SC., PH.D., Biochemistry (St. My.'s H.M.S.)

WILLOUGHBY, D. A., PH.D., M.C.PATH., F.I.BIOL., Experimental Pathology (St. Bart.'s H.M.C.)

WILLS, E. D., M.A., M.SC., PH.D., Biochemistry (St. Bart.'s H.M.C.)

WILLS, M. R., M.D., M.R.C.PATH., Metabolic Chemical Pathology (R.F.H.S.M.)

WING, J. K., PH.D., M.D., D.P.M., Social Psychiatry (L.S. Hyg. & T.M.)

WINNER, H. I., M.A., M.D., F.C.PATH., Medical Microbiology (Ch. X H.M.S.)

WINTER, G. B., B.D.S., M.B., B.S., D.C.H., F.D.S., Children's Dentistry (Inst. Dent. Eng.)

WOLFF, O. H., M.A., M.D., F.R.C.P., Child Health (Inst. Child Health)

WOLPERT, L., PH.D., Biology as Applied to Medicine (Mddx. H.M.S.)

WOOD, C. B. S., B.A., M.B., B.CHIR., D.CH., M.R.C.P., Child Health (St. Bart.'s H.M.C. & Lond. H.M.C.)

WOODRUFF, A. W., PH.D., M.D., F.R.C.P., D.T.M. & H., Clinical Tropical Medicine (L.S. Hyg. & Trop. Med.)

WOOLF, N., M.B., CH.B., M.MED., PH.D., M.R.C.PATH, Histopathology (Middx. H.M.S.)

WOOTTON, I. D. P., M.A., M.B., B.CHIR., PH.D., F.R.I.C., Chemical Pathology (Royal Postgrad. M.S.)

WRIGHT, E. A., M.D., M.R.C.P., Morbid Anatomy (K.C.H.M.S.)

WRONG, O. M., B.M., B.CH., M.A., D.M., F.R.C.P., Medicine (U.C. H.M.S.)

WYARD, S. J., PH.D., D.SC., Physics as applied to Medicine (Guy's H.M.S.)

WYLLIE, J. H., M.D., F.R.C.S., F.R.C.S.E., Surgical Studies (U.C.H.M.S.)

WYNN, V., M.D., M.R.C.P., F.C.PATH., Human Metabolism (St. My.'s H.M.S.)
YOUNG, I. M., M.SC., PH.D., Perinatal Physiology (St. Thos.'s H.M.S.)
YUDILEVICH, D., M.SC., Physiology (Q.E.C.)
ZAIMIS, ELEANOR, M.D., Pharmacology (R.F.H.S.M.)
ZUCKERMAN, A. J., M.SC., M.D., M.R.C.S., L.R.C.P., D.OBST.R.C.O.G., M.R.C.PATH., Microbiology (L.S. Hyg. & Trop. Med.)

Faculty of Science:

ALBERY, W. T., M.A., D.PHIL., Physical Chemistry (I.C.)
ALEXANDER, P., PH.D., D.SC., Radiobiology (Inst. Cancer Research)
ALLEN, G., PH.D., F.INST.P., F.R.S., Polymer Science (I.C.)
ALLEN, J. A., Marine Biology (Marine Biological Station, Millport)
ALLSOP, R. E., Transport Studies (U.C.)
ARTHUR, D., PH.D., D.SC., Zoology (K.C.)
AUDLEY, R. J., PH.D., Psychology (U.C.)
AUDLEY-CHARLES, M. G., PH.D., Geology (Q.M.C.)
AUDUS, L. J., M.A., PH.D., SC.D., F.L.S., Botany (Bfd. C.)
AYLETT, B. J., M.A., PH.D., Chemistry (Wfd. C.)
BAILEY, ANITA I., M.SC., Interface Science (I.C.)
BARNARD, E. A., PH.D., Physiological Biochemistry (I.C.)
BARNARD, T., PH.D., Micropalaeontology (U.C.)
BARTON, Sir DEREK, D.SC., SC.D., F.R.I.C., F.R.S., Organic Chemistry (I.C.)
BARTON, D. E., PH.D., Statistics (Q.M.C.)
BASTIN, J. A., M.A., PH.D., Physics (Q. M.C.)
BAUM, H., B.SC., PH.D., Biochemistry (Chel. C.)
BECKETT, A. H., D.SC., PH.D., F.P.S., F.R.I.C., Pharmacy (Chel. C.)
BELL, E. A., M.A., PH.D., Biology (K.C.)
BELL, G. M., M.A., D.PHIL., Applied Mathematics (Chel. C.)
BELL, P. R., M.A., Botany (U.C.)
BELLAMY, E., M.A., PH.D., Physics (Wfd. C.)
BENDER, A. E., PH.D., Nutrition and Dietetics (Q.E.C.)
BERRY, R. J., M.A., PH.D., D.SC., Genetics (R.F.H.M.S.)
BEVAN, E., M.A., PH.D., Genetics (Q.M.C.)
BILLIMORIA, J. D., PH.D., D.SC., Biology—Lipia (West. M.S.)
BINMORE, K. G., PH.D., Applied Mathematics (L.S.E.)
BLACKMAN, M., D.PHIL., PH.D., F.R.S., Theoretical Physics (I.C.)
BLOW, D. M., PH.D., F.R.S., Biophysics (I.C.)
BLUNDELL, D. J., PH.D., Environmental Geology (Chel. C.)
BLUNDELL, T. L., D.PHIL., Crystallography (Bk. C.)
BOHM, D. J., B.S., PH.D., Theoretical Physics (Bk. C.)
BONDI, Sir HERMAN, M.A., F.R.S., Mathematics (K.C.)
BONNER, T. G., D.SC., F.R.I.C., Chemistry (R.H.C.)
BONNETT, R., PH.D., Organic Chemistry (Q.M.C.)
BONNOR, W. B., D.SC., PH.D., Mathematics (Q.E.C.)
BOYD, R. L. F., C.B.E., B.SC.(ENG.), PH.D., F.R.S., Physics (U.C.)
BRADBEER, J. W., PH.D., Botany (K.C.)
BRADLEY, D. C., PH.D., D.SC., Inorganic Chemistry (Q.M.C.)
BRADLEY, D. J., M.A., M.B., B.CHIR., M.I.BIOL., M.R.C.PATH., Optics (I.C.)
BRITTON, H. L., M.SC., PH.D., Pure Mathematics (Q.E.C.)
BROWN, E. H., PH.D., Geography (U.C.)
BUGG, D. V., PH.D., Nuclear Physics (Q.M.C.)
BULLOUGH, W. S., D.SC., Zoology (Bk. C.)
BURGE, E. J., M.A., PH.D., Physics (Chel. C.)
BURGE, R. E., PH.D., D.SC., Physics (Q.E.C.)
BUTTERWORTH, I., PH.D., Physics (I.C.)
CAMPBELL, EILA M. J., M.A., Geography (Bk. C.)
CARO, C. G., B.SC., M.D., F.R.C.P.E., Physiological Mechanics (I.C.)
CASTILLEJO, L., B.SC.(ENG.), B.A., Physics (U.C.)
CHALONER, W. G., PH.D., Botany (Bk. C.)
CHAPMAN, D., PH.D., D.SC., Biophysical Chemistry (R.F.H.S.M.)
CHAPMAN, G., M.A., PH.D., Zoology (Q.E.C.)
CHEESMAN, D. F., PH.D., Biochemistry (Bfd. C.)
CLOUDSLEY-THOMPSON, J. L., M.A., PH.D., D.SC., Zoology (Bk. C.)
CLUNIE, J., B.SC., PH.D., Pure Mathematics (I.C.)
COHN, P. M., M.A., PH.D., Mathematics (Bfd. C.)
COLE, MONICA M., PH.D., Geography (Bfd. C.)
COLES, B. R., D.PHIL., Solid State Physics (I.C.)
COLTHEART, M., M.A., PH.D., Psychology (Bk. C.)
CONOLLY, B., M.A., Mathematics and Operational Research (Chel. C.)
COOKE, R. U., M.SC., Physical Geography (Bfd. C.)
COOPER, D. C., PH.D., Computer Science (U.C.)
COOPER, J. L. B., M.A., D.PHIL., Mathematics (Chel. C.)
COX, C. B., PH.D., D.SC., Zoology (K.C.)
COX, D. R., M.A., PH.D., F.R.S., Statistics (I.C.)
COX, F. E. G., PH.D., D.SC., Zoology (K.C.)
CROOK, E. M., M.SC., PH.D., Biochemistry (St. Bart.'s H.M.C.)
DALES, R. P., PH.D., Zoology (Bfd. C.)
DAVIES, A. G., PH.D., D.SC., Chemistry (U.C.)
DAVIS, G. R., PH.D., Mining Geology (I.C.)
DIPLOCK, A. T., D.SC., Biochemistry (Guy's H.M.S.)
DOBBS, E. R., PH.D., Physics (Bfd. C.)
DODGE, J. D., PH.D., Botany (R.H.C.)
DOMB, C., M.A., PH.D., Theoretical Physics (K.C.)
DONOVAN, B., PH.D., D.SC., F.I.P. Physics (Wfd. C.)
DONOVAN, D. T., PH.D., D.SC., Geology (U.C.)
DOWKER, C. H., M.A., PH.D., Mathematics (Bk. C.)
DOYLE, F. H., D.M.R.D., F.F.R., Radiological Science (R.P.M.S.)
DREW, G. C., M.A., Psychology (U.C.)
DUNGEY, J. W., PH.D., Physics (I.C.)
EGGLESTON H. G., M.A., PH.D., SC.D., Pure Mathematics (R.H.C.)
EKINS, R. P., M.A., PH.D., Biophysics (Middx. H.M.S.)
ELLIOT, H., C.B.E., PH.D., F.R.S., Physics (I.C.)
ELLIOTT, W. S., M.A., F.I.E.E., F.INST.P., Computing (I.C.)
ESSAM, J. W., PH.D., Mathematics (Wfd. C.)
EYSENCK, H. J., PH.D., D.SC., Psychology (Inst. Psychiatry)
FERSHT, A. R., PH.D., Chemistry (I.C.)
FLORENTIN, J. J., PH.D., Computer Science (Bk. C.)
FOSS, B. M., M.A., Psychology (Bfd. C.)
FOSTER, A. B., PH.D., D.SC., Chemistry (Inst. Cancer Research)
FROHLICH, A., PH.D., F.R.S., Mathematics (K.C.)
GAHAN, P. B., PH.D., Botany (Q.E.C.)
GARTON, W. R. S., D.SC., F.R.S., Spectroscopy (I.C.)
GINSBURG, M., PH.D., D.SC., Pharmacology (Chel. C.)
GODWIN, H. J., M.A., Statistics and Computer Science (R.H.C.)
GOLD, V., PH.D., D.SC., F.R.S., Chemistry (K.C.)
GOLDSACK, S. J., PH.D., Computing Science—Control Data (I.C.)
GOLDSTEIN, H., B.SC., Statistical Methods (Inst. Educ.)
GRANT, E. H., PH.D., Experimental Physics (Q.E.C.)
GREEN, J., D.SC., PH.D., Zoology (Wfd. C.)
GREENBAUM, A. L., D.SC., PH.D., Biochemistry (U.C.)
GROVES, G. V., M.A., PH.D., Physics (U.C.)
GRUENBERG, K. W., PH.D., Pure Mathematics (Q.M.C.)
HAINES, M. G., PH.D., Physics (I.C.)
HAJNAL, J., M.A., F.B.A., Statistics (L.S.E.)
HALL, A. R., M.A., PH.D., History of Science and Technology (I.C.)
HALL, D. O., PH.D., Biology (K.C.)
HART, M., Physics (K.G.)
HARTLEY, B. S., M.A., PH.D., Biochemistry (I.C.)
HASTED, J. B., M.A., D.PHIL., Experimental Physics (Bk. C.)
HAYMAN, W. K., M.A., SC.D., F.R.S., Pure, Mathematics (I.C.)
HAYWARD, J. C., PH.D., Nursing Studies (Chel. C.)
HEDDLE, D. W. O., PH.D., Physics (R.H.C.)
HEYMANN, F. F., B.SC.(ENG.), PH.D., Physics (U.C.)
HOCKING, L. M., PH.D., Mathematics (U.C.)
HOLMES, W., PH.D., D.SC., Agriculture (Wye C.)
HOLT, S. J., PH.D., D.SC., F.R.I.C., Experimental Biochemistry (Mddx. H.M.S.)
HOUGH, L., PH.D., D.SC., F.R.I.C., Chemistry (Q.E.C.)
HOULDIN, J. E., PH.D., Electronics (Chel. C.)
HOWARTH, D. J., PH.D., Computing Science (I.C.)
HOWIE, R. A., M.A., PH.D., Mineralogy (K.C.)
HUGHES, D. R., M.A., PH.D., Mathematics (Wfd. C.)
HUTCHINSON, J. N., PH.D., Geomorphology—Engineering (I.C.)
JAMES, A. M., M.A., D.PHIL., D.SC., F.R.I.C., Physical Chemistry (Bfd. C.)
JENNINGS, R. E., PH.D., Physics (U.C.)
JONSCHER, A. R., PH.D., Solid State Electronics (Chel. C.)
KHABAZA, I. M., M.A., Computing Science (Q.M.C.)
KIBBLE, T., M.A., PH.D., Theoretical Physics (I.C.)
KILMISTER, C. W., PH.D., Applied Mathematics (K.C.)
KING, P. J. H., M.SC., Computer Science (Bk. C.)
KIRK, D. N., D.SC., F.R.I.C., Chemistry (Wfd. C.)

Kirstein, P. T., M.SC., PH.D., D.SC.(ENG.), Computer Systems (U.C.)
Knill, J. L., PH.D., Engineering Geology (I.C.)
Lamerton, L. F., PH.D., D.SC., F.INST.P., F.R.C.PATH., Medical Biophysics (Inst. Cancer Research)
Landin, P. J., M.A., Computing Science (Q.M.C.)
Larman, D. G., PH.D., Mathematics (U.C.)
Leader, E., M.S., PH.D., Theoretical Physics (Wfd. C.)
Lees, A. D., M.A., PH.D., SC.D., F.R.S., Insect Physiology (I.C.)
Lehman, M. M., PH.D., Computing Science (I.C.)
Lewis, C. T., M.A., PH.D., Zoology (R.H.C.)
Lindsay, P. A., PH.D., Physical Electronics (K.C.)
Lindop, P. J., M.B., PH.D., M.R.C.P., Radiation Biology (St. Bart.'s H.M.C.)
Lumsden, W. H. R., M.B., CH.B., D.SC., Medical Protozoology (L.S. Hyg. & Trop. Med.)
Maccoll, A., PH.D., D.SC., Chemistry (U.C.)
Macdonald, I. G., M.A., Pure Mathematics (Q.M.C.)
McDowell, M. R. C., M.A., PH.D., Applied Mathematics (R.H.C.)
McGhie, J. F., D.SC., F.R.I.C., Organic Chemistry (Chel. C.)
McGlashan, M. L., D.SC., PH.D., F.R.I.C., Chemistry (U.C.)
McIlwain, H., D.SC., Biochemistry (Inst. Psychiatry)
March, P. V., PH.D., Physics (Wfd. C.)
Martin, D. H., PH.D., Physics (Q.M.C.)
Mason, R. G., M.SC., PH.D., Pure Geophysics (I.C.)
Mason, S. F., M.A., D.PHIL., D.SC., Chemistry (K.C.)
Mathews, A. M., PH.D., Psychology (St. G.'s H.M.S.)
Mathias, A. P., PH.D., Bio-chemistry (U.C.)
Millen, D. J., PH.D., D.SC., Chemistry (U.C.)
Mitchison, N. A., D.PHIL., F.R.S., Zoology and Comparative Anatomy (U.C.)
Moore, D. W., M.A., PH.D., Applied Mathematics (I.C.)
Moore, J. H., PH.D., Agricultural Chemistry (Wye C.)
Morton, I. D., M.SC., PH.D., F.R.I.C., F.N.Z.I.C., F.I.F.S.T., Food Science (Q.E.C.)
Moses, V., M.A., PH.D., D.SC., Microbiology (Q.M.C.)
Orr, J. S., Physics—Medical (R.P.M.S.)
Overend, W. G., D.SC., Chemistry (Bk. C.)
Percival, I. C., PH.D., Applied Mathematics (Q.M.C.)
Perkins, M. J., PH.D., Chemistry (Chel. C.)
Pickard, D. H., B.A., Marketing (Wye C.)
Piper, F. C., PH.D., Mathematics (Wfd. C.)
Pirani, F. A. E., M.A., PH.D., D.SC., Rational Mechanics (K.C.)
Pirt, S. J., PH.D., F.I.BIOL., Microbiology (Q.E.C.)
Post, H. R., PH.D., Philosophy of Natural Science (Chel. C.)
Power, E. A., M.SC., PH.D., Mathematics (U.C.)
Pratt, P. L., PH.D., Crystal Physics (I.C.)
Prentice, J. E., PH.D., Geology (K.C.)
Pugh, J. C., M.A., PH.D., Geography (K.C.)
Purchon, R. D., PH.D., D.SC., Zoology (Chel. C.)
Pye, J. D., PH.D., Zoology (Q.M.C.)
Rabin, B. R., M.SC., PH.D., Biochemistry (U.C.)
Rachman, S., PH.D., Abnormal Psychology (Inst. Psych.)
Randall, E. W., D.PHIL., Inorganic Chemistry (Q.M.C.)
Rattansi, P. M., M.A., PH.D., History and Philosophy of Science (U.C.)
Rees, C. W., PH.D., Organic Chemistry (I.C.)
Rees, K. R., PH.D., D.SC., Biochemical Pathology (U.C.H.M.S.)
Reese, C. B., PH.D., M.A., SC.D., Chemistry (K.C.)
Reuter, G. E. H., M.A., Mathematics (I.C.)
Ridd, J. H., PH.D., D.SC., Chemistry (U.C.)
Ring, J., PH.D., F.INST.P., F.R.A.S., Physics (I.C.)
Robertson, A. J. B., PH.D., D.SC., Chemistry (K.C.)
Robinson, D., PH.D., Biochemistry (Q.E.C.)
Rogers, C. A., D.SC., F.R.S., Mathematics (U.C.)
Rogers, D., PH.D., Chemical Crystallography (I.C.)
Ross, W. C. J., D.SC., Organic Chemistry (Inst. Cancer Research)
Roth, K. F., M.SC., PH.D., F.R.S., Pure Mathematics (Theory of Numbers) (I.C.)
Roxburgh, I. W., PH.D., Applied Mathematics (Q.M.C.)
Rutter, A. J., PH.D., Botany (I.C.)
Salam, A., M.A., PH.D., F.R.S., Theoretical Physics (I.C.)
Samet, P. A., PH.D., Computer Science (U.C.)
Saunders, L., PH.D., D.SC., F.R.I.C., Pharmaceutical Chemistry (Sch. Pharm.)
Schwabe, W. W., D.SC., Horticulture (Wye C.)
Scorer, R. S., PH.D., Theoretical Mechanics (I.C.)
Seaton, M. J., PH.D., Physics (U.C.)
Shaw, R. A., PH.D., D.SC., F.R.I.C., Chemistry (Bk. C.)
Shearman, D. J., D.SC., Sedimentology (I.C.)
Simons, H. A. B., M.A., PH.D., Medical Physics (R.F.H.S.M.)
Singer, K., PH.D., Physical Chemistry (R.H.C.)
Smith, A. J., PH.D., Geology (Bfd. C.)
Smith, C. A. B., PH.D., Biometry (U.C.)
Smith, J. A. S., M.A., D.PHIL., Chemistry (Q.E.C.)
Smith, J. T., PH.D., M.P.S., Pharmaceutical Microbiology (Sch. Pharm.)
Smith, R. L., PH.D., Biochemical Pharmacology (St. My.'s H.M.S.)
Smyth, J. D., PH.D., D.SC., Parasitology (I.C.)
Sondheimer, E. H., M.A., D.SC., PH.D., Mathematics (Wfd. C.)
Sondheimer, F., PH.D., F.R.S., Chemistry (U.C.)
Southwood, T. R. E., PH.D., D.SC., F.R.S., Zoology and Applied Entomology (I.C.)
Stewartson, K., M.A., PH.D., F.R.S., Mathematics (U.C.)
Stone, M., PH.D., Probability and Statistics (U.C.)
Streater, R. F., PH.D., Applied Mathematics (Bfd. C.)
Stuart, J. T., PH.D., F.R.S., Theoretical Fluid Mechanics (I.C.)
Summerfield, A., B.SC.TECH., B.SC., Psychology (Bk. C.)
Sutton, J., PH.D., D.SC., F.R.S., Geology (I.C.)
Sykes, K. W., M.A., D.PHIL., Physical Chemistry (Q.M.C.)
Tait, J. F., PH.D., F.R.S., Physics (Middx. H.M.S.)
Taylor, J. G., M.A., PH.D., Mathematics (K.C.)
Thompson, J. M. T., M.A., SC.D., Structural Mechanics (U.C.)
Tiffen, R. W., PH.D., D.SC., Applied Mathematics (Bk. C.)
Tobe, M. L., PH.D., Chemistry (U.C.)
Tyrrell, H. J. V., M.A., D.SC., Physical and Inorganic Chemistry (Chel. C.)
Ubbelohde, A. R. J. P., C.B.E., D.SC., F.R.I.C., F.R.S., Thermodynamics (I.C.)
Vernon, C. A., D.SC., Chemistry (U.C.)
Watson, Janet V., PH.D., Geology (I.C.)
Way, M. J., M.A., D.SC., Applied Zoology (I.C.)
Weale, R. A., D.SC., Physiological Optics (Inst. Ophth.)
Webb, J. E., D.SC., Zoology (Wfd. C.)
Webb, J. S., PH.D., D.SC., Applied Geochemistry (I.C.)
Wehfritz, B. A. F., PH.D., Pure Mathematics (Q.M.C.)
Weinberg, F. J., PH.D., D.SC., Combustion Physics (I.C.)
Weiner, J. S., M.A., M.SC., PH.D., D.SC., M.R.C.S., M.R.C.P., Environmental Physiology (L.S. Hyg. & Trop. Med.)
Welford, W. T., D.SC., Physics (I.C.)
West, T. S., PH.D., D.SC., F.R.I.C., Analytical Chemistry (I.C.)
Whalley, W. B., D.SC., F.R.I.C., Chemistry (Sch. Pharm.)
Whitrow, G. J., M.A., D.PHIL., Applied Mathematics (I.C.)
Widdas, W. F., M.B., B.S., PH.D., D.SC., Physiology (Bfd. C.)
Wilkie, D. R., M.D., M.R.C.P., F.R.S., Physiology (U.C.)
Wilkins, M. H. F., C.B.E., M.A., PH.D., F.R.S., Biophysics (K.C.)
Wilkinson, Sir Geoffrey, PH.D., F.R.S., Inorganic Chemistry (I.C.)
Wilkinson, G. R., PH.D., Physics (K.C.)
Williams, G. H., PH.D., D.SC., F.R.I.C., Chemistry (Bfd. C.)
Wilson, R., C.B.E., PH.D., F.R.S., Astronomy (U.C.)
Wills, E. D., PH.D., Biochemistry (St. Bart.'s H.M.S.)
Wohlfarth, E. P., PH.D., D.SC., Theoretical Magnetism (I.C.)
Wood, R. K. S., PH.D., F.I.BIOL., Plant Pathology (I.C.)

Faculty of Engineering:

Ambraseys, N. N., PH.D., Engineering Seismology (I.C.)
Anderson, J. C., M.SC., PH.D., D.SC. (ENG.), Electrical Materials (I.C.)
Andrews, E. H., D.SC., F.INST.P., Materials (Q.M.C.)
Ash, E. A., PH.D., Electrical Engineering (U.C.)
Ball, J. G., B.SC., Physical Metallurgy (I.C.)
Billett, H., B.SC.(ENG.), Mechanical Engineering (U.C.)
Bishop, A. W., M.A., PH.D., D.SC.(ENG.), Soil Mechanics (I.C.)
Bishop, R. E. D., M.A., PH.D., D.SC.(ENG.), Mechanical Engineering (U.C.)
Bonfield, W., PH.D., Materials (Q.M.C.)
Brown, E. H., PH.D., Structural Analysis (I.C.)
Brown, J., M.A., PH.D., D.SC.(ENG.), M.I.E.E., Electrical Engineering (I.C.)
Cameron, A., M.SC., PH.D., D.SC.(ENG.), Engineering—Lubrication (I.C.)

Cherry, E. C., D.SC.(ENG.), F.I.E.E., F.I.E.E.E., F.INST.P., Telecommunications (I.C.)
Clarricoats, P. J. B., PH.D., Electrical Engineering (Q.M.C.)
Cohen, E., M.SC., PH.D., Mineral Technology (I.C.)
Cullen, A. L., PH.D., D.SC.(ENG.), Electrical Engineering (U.C.)
Davies, D. E. N., PH.D., D.SC., Electrical Engineering (U.C.)
Davies, M. W. H., M.SC., Electrical Engineering (Q.M.C.)
Dougill, J. W., PH.D., M.I.C.E., Engineering Science (K.C.)
Earles, S. W. E., PH.D., Mechanical Engineering (Q.M.C.)
Eilon, S., PH.D., Management Science (I.C.)
Fleming, M. G., PH.D., Mineral Technology (I.C.)
Ford, Sir Hugh, D.SC.(ENG.), F.R.S., Mechanical Engineering (I.C.)
Francis, J. R. D., B.SC.(ENG.), Hydraulics (I.C.)
Gibson, R. E., PH.D., D.SC.(ENG.), F.I.C.E., Engineering Science (K.C.)
Grant, P. J., M.A., PH.D., Nuclear Power (I.C.)
Grieveson, P., PH.D., D.I.C., Applied Metallurgy (I.C.)
Grootenhuis, P., PH.D., D.SC.(ENG.), Engineering Science—Mechanical (I.C.)
Hancock, G. J., PH.D., Aeroelasticity (Q.M.C.)
Harris, A. J., C.B.E., B.SC., Concrete Structures and Technology (I.C.)
Ives, K. J., PH.D., Public Health Engineering (U.C.)
Jones, C. W., M.SC., PH.D., Mathematics (I.C.)
Kemp, K. O., PH.D., Civil Engineering (U.C.)
Laithwaite, E. R., M.SC., PH.D., Heavy Electrical Engineering (I.C.)
Lambert, T. H., B.SC.(ENG.), PH.D., Mechanical Engineering (U.C.)
Laughton, M. A., PH.D., D.SC.(ENG.), Electrical and Electronic Engineering (Q.M.C.)
Le Fevre, E. J., B.SC.(ENG.), Mechanical Engineering (Q.M.C.)
Leslie, D. C., M.A., D.PHIL., Nuclear Engineering (Q.M.C.)
Mayne, D. Q., M.SC., Control Theory (I.C.)
Mullin, J. W., PH.D., D.SC., F.I.CHEM.E., F.R.I.C., Chemical Engineering (U.C.)
Murgatroyd, W., M.A., PH.D., Thermal Power (I.C.)
Nash, J. K. T. L., M.A., M.A.I., Civil Engineering (K.C.)
Neal, B. G., M.A., PH.D., Structural Engineering (I.C.)
Owen, P. R., C.B.E., M.SC., F.R.S., Aviation (I.C.)
Pearson, J. R. A., A.M., PH.D., Chemical Engineering (I.C.)
Poskitt, T. J., PH.D., M.I.C.E., Civil Engineering (Q.M.C.)
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Redwood, M., D.SC.(ENG.), Electrical and Electronic Engineering (Q.M.C.)
Rose, H. E., PH.D., D.SC.(ENG.), Powder Technology (K.C.)
Rowe, P. N., PH.D., D.SC.(ENG.), Chemical Engineering (U.C.)
Sargent, R. W., PH.D., Chemical Engineering (I.C.)
Sawistowski, H., PH.D., Chemical Engineering (I.C.)
Sayers, B. McA., M.SC., PH.D., Electrical Engineering (I.C.)
Scales, J. T., F.R.C.S., L.R.C.P., C.I.MECH.E., Biomedical Engineering (Inst. Orth.)
Skempton, A. W., D.SC.(ENG.), M.I.C.E., F.G.S., F.R.S., Civil Engineering (I.C.)
Smart, A. D. G., Urban Planning (U.C.)
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Swanson, S. A. V., PH.D., Biomechanics (I.C.)
Thring, M. W., M.A., SC.D., Mechanical Engineering (Q.M.C.)
Turner, C. E., PH.D., D.SC.(ENG.), Materials in Mechanical Engineering (I.C.)
Turner, C. W., PH.D., Electrical Engineering (K.C.)
Wall, C. G., PH.D., Petroleum Engineering (I.C.)
Walton, G. N., M.A., Nuclear Technology (I.C.)
Westcott, J. H., PH.D., D.SC., Control Systems (I.C.)
Whitelaw, J. H., PH.D., Convective Heat Transfer (I.C.)
Williams, J. G., PH.D., D.SC.(ENG.), Polymer Engineering (I.C.)
Williams, M. M. R., PH.D., D.SC., Nuclear Engineering (Q.M.C.)
Williams, T. J., PH.D., D.SC., F.I.MECH.E., Mechanical Engineering (K.C.)

Faculty of Economics and Political Science (including Commerce and Industry):

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Akerlof, G. A., PH.D., Economics (Money and Banking) (L.S.E.)
Atkinson, A. B., B.A., Political Economy (U.C.)
Barker, T. C., M.A., PH.D., F.R.HIST.S., Economic History (L.S.E.)
Bartholomew, D. J., PH.D., Statistics (L.S.E.)
Bauer, P. T., M.A., Economics with special reference to Under-Developed Countries (L.S.E.)
Britton, D. K., M.A., Agricultural Economics (Wye C.)
Brown, G. W., PH.D., Sociology (Bfd. C.)
Cohen, P. S., PH.D., Sociology (L.S.E.)
Corry, B. A., PH.D., Economics (Q.M.C.)
Cranston, M. W., B.LITT., F.R.S.L., Political Science (L.S.E.)
Crick, B., PH.D., Politics and Sociology (Bk. C.)
Dasgupta, P. S., PH.D., Economics (L.S.E.)
Day, A. C. L., B.A., Economics (L.S.E.)
Douglas, A. S., M.A., PH.D., Computational Methods (L.S.E.)
Durbin, J., M.A., Statistics (L.S.E.)
Edey, H. C., B.COMM., LL.B., F.C.A., Accounting (L.S.E.)
Gorman, W. M., M.A., D.SOC.SC., Economics (L.S.E.)
Henderson, P. D., M.A., Political Economy (U.C.)
Hendry, D. F., M.A., PH.D., Econometrics (L.S.E.)
Himmelweit, Hildegard T., M.A., PH.D., Social Psychology (L.S.E.)
Hines, A. G., B.SC.(ECON.), Economics (Bk. C.)
Jones, E., M.SC., PH.D., Geography (L.S.E.)
Jones, G. W., M.A., D.PHIL., Government (L.S.E.)
Kedourie, E., B.SC.(ECON.), Politics (L.S.E.)
Letwin, W., PH.D., Political Science (L.S.E.)
Little, A., PH.D., Social Administration (Bfd. C.)
McGregor, Rt. Hon. Lord, B.SC.(ECON.), Social Institutions (Bfd. C.)
McKenzie, R. T., PH.D., Sociology with special reference to Politics (L.S.E.)
McRae, D. G., M.A., Sociology (L.S.E.)
Martin, D. A., PH.D., Sociology (L.S.E.)
Morishima, M., M.A., Economics (L.S.E.)
Morris, T. P., PH.D., Sociology with special reference to Criminology (L.S.E.)
Morris-Jones, W. H., B.SC.(ECON.), Commonwealth Affairs (Inst. Commonwealth Studies)
Muellbauer, J. N. J., M.A., PH.D., Economics (Bk. C.)
Myint, M. H., M.A., PH.D., D.LITT., Economics (L.S.E.)
Nevitt, Adela A., B.SC.(ECON.), Social Administration (L.S.E.)
Northedge, F. S., B.SC.(ECON.), PH.D., International Relations (L.S.E.)
Peston, M. H., B.SC.(ECON.), Economics (Q.M.C.)
Pinker, R. A., M.SC.ECON., Social Work (L.S.E.)
Plowman, D. E. G., M.A., Social Administration (L.S.E.)
Portes, R. D., M.A., D.PHIL., Economics (Bk.C.)
Prest, A. R., M.A., PH.D., Economics with special reference to Economics of the Public Sector (L.S.E.)
Rawstron, E. M., M.A., Economic Geography (Q.M.C.)
Roberts, B. C., M.A., Industrial Relations (L.S.E.)
Sargan, J. D., B.A., Econometrics (L.S.E.)
Self, P. J. O., M.A., Public Administration (L.S.E.)
Silberston, A., M.A., Economics (I.C.)
Spraos, J., M.A., Political Economy (U.C.)
Stuart, A., D.SC.(ECON.), Statistics (L.S.E.)
Walker, K. R., D.PHIL., Economics with Special Reference to China (S.O.A.S.)
Wedderburn, D. E. C., M.A., Industrial Sociology (I.C.)
Wibberley, G. P., M.SC., PH.D., Countryside Planning (Wye C.)
Wiles, P. J. de la F., M.A., Russian Social and Economic Studies (L.S.E.)
Wise, M. J., M.C., PH.D., Geography (L.S.E.)
Wolfenden, K., M.A., Information Processing (Inst. Computer Sci.)
Yamey, B. S., C.B.E., B.COM., Economics (L.S.E.)

Faculty of Education:

Bernstein, B. B., PH.D., D.LITT., Sociology of Education (Inst. Educ.)
Black, P. J., Science Education (Chel. C.)
Blackstone, T., PH.D., Educational Administration (Inst. Educ.)
Blaug, M., M.A., PH.D., Economics of Education (Inst. Educ.)
Burston, W. H., M.A., Education (Inst. Educ.)
Charlton, K., M.A., ED.B., History of Education (K.C.)
Craft, M., PH.D., Education (Inst. Educ.)
Francis, Hazel, PH.D., Educational Psychology (Inst. Educ.)
Graves, N. J., M.A., PH.D., Education (Inst. Educ.)
Hindley, C. B., M.B., CH.B., B.SC., Child Development (Inst. Educ.)
Holmes, B., PH.D., Education (Inst. Educ.)
Johnson, D. C., PH.D., Mathematics Education (Chel. C.)

KELLY, P. J., M.A., PH.D., Biological Education (Chel. C.)
KING, E. J., M.A., PH.D., D.LITT., Education (K.C.)
LAWTON, D., PH.D., Education (Inst. Educ.)
MACLEOD, R. M., PH.D., Science of Education (Inst. Educ.)
PETERS, R. S., PH.D., Philosophy of Education (Inst. Educ.)
ROSEN, H., PH.D., Education, English (Inst. Educ.)
SWANWICK, K., L.R.A.M., G.R.S.M., A.R.C.O., M.ED., PH.D., Music Education (Inst. Educ.)
TIZARD, J., C.B.E., M.A., PH.D., Child Development (Inst. Educ.)
WIDDOWSON, H. G., M.A., PH.D., Education (Inst. Educ.)

SCHOOLS OF THE UNIVERSITY:

(Numbers given are appointed and recognized teachers, and students registered with the University)

I. Schools in receipt of U.G.C. Grants

(*a*) Non-Medical

Bedford College: Inner Circle, Regent's Park, NW1 4NS; f. 1849, incorporated 1869, chartered 1909, 1911, 1957, 1965 and 1973.

Principal: J. N. BLACK, M.A., D.PHIL., D.SC., F.R.S.E., F.I.BIOL.
Secretary: Maj. Gen. S. M. O'H. ABRAHAM (rtd.), C.B., M.C., B.A.
Registrar: L. P. TURNBULL, M.SC.

Library of over 200,000 vols.
Number of teachers: 164, including 28 professors.
Number of students: 1,668.

DEANS:

Faculty of Arts: Prof. J. N. COLDSTREAM, M.A., F.S.A.
Faculty of Science: Prof. R. U. COOKE, PH.D.

Birkbeck College: Malet St., WC1E 7HX; f. 1823; Charter of Incorporation 1926.

Master: TONY J. CHANDLER, M.SC., M.A., PH.D.
Secretary: A. J. CARAFFI, B.SC.
Registrar: H. L. SNAITH, M.A.

Number of teachers: 204, including 33 professors.
Number of students: 297 full-time, 2,051 part-time.

Publications: *College Calendar*†, *College Prospectus*†.

DEANS:

Faculty of Arts: Prof. C. FAHY, M.A., PH.D.
Faculty of Science: J. C. E. JENNINGS, PH.D.
Faculty of Economics: Prof. BERNARD CRICK, PH.D.

Chelsea College University of London: Manresa Rd., Chelsea, SW3 6LX; f. as S.W. London Polytechnic in 1891; in 1957 it was nominated as a College of Advanced Technology and from August 1966 was admitted as a grant-receiving School of the University.

Principal: D. J. E. INGRAM, M.A., D.PHIL., D.SC., F.INST.P.
Secretary: W. C. SLADE, B.SC., A.C.M.A.
Academic Registrar: F. R. FINCH, M.A., M.B.I.M.

Library: 110,000 volumes, 800 periodical publications.

Number of students: 1,764 full-time, 589 part-time.

Publications: *Prospectus*†, *Postgraduate Studies*†, *Annual Report*†, *Science Chelsea* (periodically).

Imperial College of Science and Technology: South Kensington, SW7 2AZ; formed 1907 by federation of Royal College of Science, Royal School of Mines, and City and Guilds College.

Rector: Sir BRIAN FLOWERS, M.A., M.SC., D.SC., F.INST.P., F.R.S.
Pro-Rector: Prof. Sir HUGH FORD, PH.D., D.SC.(ENG.), F.C.G.I., C.ENG., F.I.MECH.E., F.I.C.E., F.R.S.
Pro-Rector (External Developments): Prof. M. G. FLEMING, PH.D., C.ENG., F.I.M.M.
Secretary: M. J. DAVIES, C.M.G., O.B.E., M.A. (until 1 July 1979); J. H. SMITH (from 1 July 1979).
Registrar: P. E. MEE, M.B.E., B.SC (ECON.).

Number of teachers: 681, including 91 professors.
Number of students: 4,470.

DEANS:

Royal College of Science: Prof. W. K. HAYMAN, M.A., SC.D., F.R.S.
Royal School of Mines: Prof. P. L. PRATT, PH.D., F.INST.P.
City and Guilds College: Prof. S. A. V. SWANSON, PH.D., D.SC. (ENG.), A.C.G.I., D.I.C., C.ENG., F.I.MECH.E., F.INST.F.

King's College: Strand, WC2R 2LS; f. 1829.

Principal: Sir RICHARD WAY, K.C.B., C.B.E.
Dean: Rev. Prof. U. E. SIMON, D.D.
Secretary: H. F. PATTERSON, M.A.
Registrar: J. D. MCCORMACK, B.A

Library: *see* Libraries.

Number of teachers: 355, including 70 professors.
Number of students: 3,200.

DEANS:

Faculty of Arts: R. A. WISBEY, M.A., DR.PHIL.
Faculty of Laws: F. G. JACOBS, M.A., D.PHIL.
Faculty of Natural Science: V. GOLD, PH.D., D.SC., C.CHEM., F.R.I.C., F.R.S.
Faculty of Medical Sciences: P. F. BAKER, M.A., PH.D., F.R.S.
Faculty of Engineering: P. A. LINDSAY, PH.D., D.SC.(ENG.), C.ENG., D.I.C., F.I.E.E., F.INST.P.
Faculty of Theology: G. R. DUNSTAN, M.A., D.D., F.S.A.
Faculty of Education: K. C. CHARLTON, M.A., M.ED.
Faculty of Music: BRIAN TROWELL, M.A., PH.D.

London School of Economics and Political Science: Houghton Street, Aldwych, WC2A 2AE; f. 1895.

Director: Prof. R. G. DAHRENDORF.
Academic Secretary: J. ALCOCK, B.A.
Secretary for Finance and Administrative Services: J. PIKE, C.B.E., M.A.

Library: *see* Libraries.

Number of teachers: 308.
Number of research staff: 20.
Number of students: 3,189 full-time, 345 part-time.

Publications: *Economica* (quarterly journal of economics, economic history, and statistics), *The British Journal of Sociology* (quarterly), *British Journal of Industrial Relations*, *Journal of Transport Economics and Policy* (both three times a year), *New Series, Reprints of Scarce Works on Political Economy, Monographs on Social Anthropology, Papers in Soviet and East European Politics, International Studies Monographs, Millenium: Journal of International Studies, Law and Economics, Occasional Papers on Social Administration, Greater London Papers, Geographical Papers, A London Bibliography of the Social Sciences, L.S.E. Research Monographs, L.S.E. Studies on Education, L.S.E. Industrial Relations Series*, Inaugural and other lectures.†

ATTACHED INSTITUTES:

Centre for Labour Economics: f. 1974 (successor to the Higher Education Research Unit and the Centre for Economics of Education) to undertake research in the economics of education and related issues in labour economics; Head P. R. G. LAYARD.

Centre for International Studies: f. 1967 to promote research in international studies, particularly Soviet and Chinese studies and European studies; Chair. of Steering Committee Dr. I. H. NISH.

Centre for Urban Economics: f. 1970 to promote research and postgraduate education in urban economics; 5 staff; Head Dr. G. R. J. RICHARDSON.

Greater London Group: f. 1958 to undertake research and publication in problems of Greater London and the South-East Region; consists of academic teachers of the School with a small professional research staff; Chair. Prof. W. A. ROBSON.

M.R.C. Unit on Environmental Factors in Mental and Physical Illness: *see* under Research Institutes.

Population Investigation Committee: f. 1936 to promote and undertake research into population questions; collaborates in the L.S.E. post-graduate programme in demography; Chair. Prof. D. V. GLASS, PH.D., F.R.S., F.B.A.; publ. *Population Studies.*

Queen Elizabeth College: Campden Hill Rd., W8 7AH; f. 1908; offers courses leading to the B.Sc., and post-graduate degrees and diplomas both by research and taught courses.

Principal: ROBERT S. BARNES, D.SC., F.INST.P., F.I.M.
Secretary: W. M. G. BOMPAS, M.A., C.ENG., M.I.MECH.E.
Academic Registrar: D. LEA, M.A.

Library of 23,000 vols.

Number of teachers: 112.
Number of students: 1,000.

Publications: *Prospectus, Annual Report.*

Queen Mary College: Mile End Road, London, E1 4NS; f. 1887.

Principal: Sir JAMES MENTER, M.A., PH.D., SC.D., F.R.S.
Registrar and Secretary: R. P. TONG O.B.E., J.P., M.A.

Library: *see* Libraries.

Number of teaching staff: 291, including 48 professors.
Number of students: 3,228.

Publications: *Prospectus, Annual Report.*

DEANS:

Faculty of Arts: Prof. R. F. LESLIE, PH.D.
Faculty of Science: Prof. E. W. RANDALL, B.A., B.SC., D.PHIL.
Faculty of Engineering: Prof. J. B. CLARRICOATS, PH.D., D.SC.(ENG.), C.ENG.
Faculty of Law: Prof. R. M. GOODE, O.B.E., LL.D.
Faculty of Social Studies: Prof. E. M. RAWSTRON, M.A.

Royal Holloway College: Egham Hill, Egham, Surrey, TW20 OEX; f. 1883; opened by Queen Victoria in 1886; residential college for men and women; Faculties of Arts, Science and Music.

Principal: L. H. BUTLER, M.A., D.PHIL.
Secretary: R. HARDY, M.A., LL.B.
Registrar: Miss J. L. HURN, B.A.

Library of over 140,000 vols.

Number of teachers: 132, including 16 professors.
Number of students: 1,500.

Publications: *Prospectus*† (May), *Calendar* (October), *Report* (January).

DEANS:

Faculties of Arts and Music: Prof. J. F. HEALY, M.A., PH.D.
Faculty of Science: E. LODGE, PH.D., F.L.S.

Royal Veterinary College, The: Royal College St., London, NW1 0TU; f. 1791.

Principal and Dean: Dr. A. O. BETTS, M.A., PH.D., M.R.C.V.S.
Secretary and Bursar: D. W. GORDON-BROWN, B.A., D.M.S.

Library of 26,000 vols.

Number of teachers: 77.
Number of students: 386.

School of Oriental and African Studies: Malet St., WC1E 7HP; f. 1916.

Director: Prof. C. D. COWAN, M.A., PH.D.
Secretary: J. R. BRACKEN, M.A., B.LITT.

Library: *see* Libraries.

Number of teachers: 199, including 41 professors.
Number of full-time students: 978.

Publications: *The Bulletin, Calendar, Annual Report.*

Contemporary China Institute: f. 1968; supports advanced research and training in modern Chinese studies, promotes publications, attempts to disseminate knowledge of contemporary China to a wide audience; runs a fellowship programme; Dir. Dr. J. L. WATSON; publs. *The China Quarterly, Modern China Studies International Bulletin* (annually).

The School of Pharmacy: 29-39 Brunswick Square, WC1N 1AX; f. 1842.

Dean: F. HARTLEY, C.B.E., B.SC., PH.D., F.R.I.C., F.P.S.
Clerk to the Council and Secretary: G. SMYTHE, M.B.E., D.F.M., F.C.I.S.

Number of teachers: 50, including 6 professors.
Number of students: 340.

University College: Gower Street, WC1E 6BT; f. 1826.

Provost: H. BILLETT, B.SC.(ENG.), C.ENG., M.I.MECH.E., M.R.AE.S. (acting).
Registrar: A. J. L. CAHILL, O.B.E., T.D., B.SC.(ECON.).
Secretary: J. R. TOVELL, F.C.A.

Library: *see* Libraries.

Number of teachers: 724, including 123 professors.
Number of students: 6,000.

Publication: *Calendar.*

DEANS:

Faculty of Arts: J. E. C. T. WHITE, M.A., PH.D.
Faculty of Science: C. A. ROGERS, D.SC., F.R.S.
Faculty of Laws: W. E. BUTLER, M.A., J.D., PH.D.
Faculty of Engineering: T. H. LAMBERT, PH.D., C.ENG., M.I.MECH.E.
Faculty of Medical Sciences: A. P. MATHIAS, PH.D.
Faculty of Environmental Studies: J. MUSGROVE, B.ARCH., R.I.B.A.

Westfield College: Kidderpore Ave., Hampstead, NW3 7ST; f. 1882.

Principal: B. THWAITES, M.A., PH.D., F.I.M.A.
Secretary: R. C. PARKIN.
Registrar: Miss J. M. SIMS, M.A.

Library of 123,891 vols.

Number of teachers: 119, including 23 professors.

Number of full-time students: 1,000.

Publications: *Prospectus, Annual Report.*

DEANS:

Faculty of Arts: Prof. J. CHALKER, M.A.
Faculty of Science: Prof. E. H. BELLAMY, M.A., PH.D.

Wye College: Wye, Ashford, Kent; f. 1447, incorporates the South-Eastern Agricultural College and the Swanley Horticultural College; courses in Agriculture, Horticulture and related sciences, Agricultural and Horticultural Economics including management and marketing, Rural Environment Studies.

Principal: I. A. M. LUCAS, C.B.E., M.SC., F.R.AG.S.
Secretary: R. E. WYATT, M.B.E., B.SC., M.A.
Librarian: HELEN GREER, M.A.

Library of 30,000 vols.
Number of students: 450.

Centre for European Agricultural Studies: f. 1973; research and post-experience seminars in the fields of agricultural finance and taxation, comparative agricultural technology, rural and regional planning, commodity studies, European agriculture and relationships with Third World economies.

(*b*) Undergraduate Medical and Dental

Charing Cross Hospital Medical School: The Reynolds Building, St. Dunstan's Rd., London, W6 8RP; f. 1834.

Dean: Prof. T. W. GLENISTER, T.D., M.B., B.S., PH.D., D.SC.
Secretary: G. K. BUCKLEY, M.A., F.H.A.

Library of 30,000 vols.
Number of teachers: 104.
Number of students: 600.
Publication: *Prospectus* (annually).

Guy's Hospital Dental School: London Bridge, SE1 9RT; f. 1888.

Dean: J. C. HOUSTON, M.D., F.R.C.P.
Secretary: D. G. BOMPAS, C.M.G., M.A.

Number of students: 430.

Guy's Hospital Medical School: London Bridge, SE1 9RT; f. 1769.

Dean: J. C. HOUSTON, M.D., F.R.C.P.
Secretary: D. G. BOMPAS, C.M.G., M.A.

Library: *see* Libraries.

Number of students: 650.

Publication: *Guy's Hospital Gazette*† (monthly).

King's College Hospital Medical School: Denmark Hill, SE5 8RX; f. 1831.

Dean: L. T. COTTON, M.CH., F.R.C.S.
Secretary: D. J. BRITTEN, B.SC. (ECON.).

Library of 20,000 vols.

Number of teachers: 147 medical, 39 dental.

Number of clinical undergraduate students: 300 medical, 180 dental.

London Hospital Medical College, The: Turner Street, E.1; f. 1785.

Dean: J. R. ELLIS, M.B.E., M.A., M.D., F.R.C.P.
Secretary: J. M. WALMSLEY.

Library: *see* Libraries.

Number of teachers: 280.

Number of students: 530 medical, 268 dental, 18 science.

Middlesex Hospital Medical School, The: Mortimer Street, W1P 7PN; f. 1835

Dean: D. RANGER, M.B., B.S., F.R.C.S.
Secretary: D. E. EARDLEY, B.SC., M.INST.P., M.I.E.E.

Number of students: 529.

Royal Dental Hospital of London, School of Dental Surgery: 32 Leicester Square, WC2H 7LJ; f. 1858.

Dean: (vacant).
School Secretary: E. G. SMITH.

Number of teachers: 74.

Number of students: 233.

Royal Free Hospital School of Medicine: 8 Hunter Street, Brunswick Square, WC1N 1BP; f. 1874.

Dean: B. B. MACGILLIVRAY, B.SC., M.B., B.S., F.R.C.P.
Secretary: G. W. FENN, M.A.

Number of full-time teachers: 84, including 23 professors.

Number of students: 553.

St. Bartholomew's Hospital Medical College: West Smithfield, E.C.1; f. 1662.

Dean: Prof. R. A. SHOOTER, M.A., M.D., F.R.C.P., F.R.C.S., F.R.C.PATH.
Secretary: C. E. MORRIS, O.B.E., F.C.A.

Number of teachers: 120.

Number of students: 820.

St George's Hospital Medical School: Cranmer Terrace, Tooting, SW17 0RE; f. 1751.

Dean: R. D. LOWE, M.D., PH.D., F.R.C.P.
Secretary: E. FAIRHURST, M.A.
Academic Registrar: W. J. L. JAMES, M.A.

Library of 14,000 vols.

Number of students: 370.

Publications: *School Prospectus*†, *Annual Report.*

St. Mary's Hospital Medical School: Norfolk Place, Paddington, W2 1PG; f. 1854.

Dean: Dr. C. H. EDWARDS, F.R.C.P.
Secretary: K. LOCKYER, B.A.

Number of students: 530.

St. Thomas's Hospital Medical School: Lambeth Palace Rd., SE1 7EH; hospital f. 1106.

Dean: W. D. WYLIE, M.A., M.B., B.CHIR., F.R.C.P., F.R.C.S., F.F.A.R.C.S., D.A.
Secretary: V. H. WARREN, M.A.

Number of students: 498.

University College Hospital Medical School: University St., WC1E 6JJ; f. 1827.

Dean: Prof. A. S. PROPHET, D.D.S., F.D.S.R.C.S., F.F.D.R.C.S.I.
Secretary: D. H. LLOYD MORGAN, B.A.

Number of teachers: 175.

Number of students: 503 (331 medical, 172 dental).

Westminster Medical School: Horseferry Rd., Westminster, SW1P 2AR; f. 1849.

Dean: J. B. WYMAN, M.B.E., F.F.A.R.C.S.
Secretary: Capt. A. D. ROBIN, D.S.C., R.N.

Number of teachers: 80.

Number of students: approx. 225.

(*c*) Postgraduate Medical

British Postgraduate Medical Federation: 33 Millman St., WC1N 3EJ; established by the University of London in 1945; admitted as a School of the University in 1947.

Director: DAVID INNES WILLIAMS, M.D., M.CHIR., F.R.C.S.
Secretary: M. E. COOPS, M.A., LL.B.

INSTITUTES OF THE FEDERATION:

Institute of Basic Medical Sciences: Royal College of Surgeons of England, 35–43 Lincoln's Inn Fields, London, WC2A 3PN.

Dean: Prof. A. J. HARDING RAINS.

Institute of Cancer Research, Royal Cancer Hospital: 34 Sumner Place, SW7 3NU.

Director: Prof. L. F. LAMERTON, D.SC., F.INST.P., F.R.C.PATH.
Dean: Dr. C. B. CAMERON, M.B., B.S., M.D.

Library of 30,000 vols.

Cardiothoracic Institute: 2 Beaumont St., W.1, Fulham Rd., S.W.3, and Bonner Rd., London, E.2; in association with the National Heart and Chest Hospitals; f. 1946; library of 15,000 vols.

Dean: Dr. R. BALCON, M.D., F.R.C.P.
Secretary: R. A. PERKINS.

Institute of Child Health: 30 Guilford St., WC1N 1EH; associated with the Hospitals for Sick Children, Great Ormond St.

Dean: Prof. J. A. DUDGEON, C.B.E., M.C., T.D., D.L., M.A., M.D., B.CHIR., F.R.C.P., F.R.C.PATH.

Institute of Dental Surgery: Eastman Dental Hospital, Gray's Inn Road, WC1X 8LD.

Dean: Prof. I. R. H. KRAMER, M.D.S., F.D.S.R.C.S., F.F.D., F.R.C.PATH.

Institute of Dermatology: St. John's Hospital for Diseases of the Skin, Lisle Street, Leicester Square, WC2H 7BJ.

Dean: R. H. MEARA, M.A., M.B., F.R.C.P.

Institute of Laryngology and Otology: The Royal National Throat, Nose and Ear Hospital, 330 Gray's Inn Rd., W.C.1; f. January 1946; teaching and research, oto-rhino-laryngology.

Dean: Prof. L. MICHAELS, M.D., DIP.PATH., F.R.C.PATH.
Sec.-Administrator: G. A. MILES, F.C.I.S.

Publications: *Annual Reports*, *Syllabus* (irregular).

Institute of Neurology: The National Hospital, Queen Square, WC1N 3BG; f. 1938; 16,000 vols.

Dean: P. C. GAUTIER-SMITH, M.A., M.D., F.R.C.P.

Publication: *Annual Report*†.

Institute of Obstetrics and Gynaecology: Chelsea Hospital for Women, Dovehouse St., SW3 6LT (associated also with the Hammersmith Hospital and Queen Charlotte's Maternity Hospital; M.R.C.O.G. and other higher degree courses; advanced education for surgeons and trainees).

Dean: R. B. K. RICKFORD, M.D., F.R.C.S., F.R.C.O.G.
Secretary: Mrs. P. ADRIGAN.

Institute of Ophthalmology: Judd Street, W.C.1 (associated with the Moorfields Eye Hospital); f. 1947; postgraduate teaching and research in eye disease and prevention of blindness; library of 13,000 vols.

Dean: J. GLOSTER, M.D., PH.D., D.O.M.S.
Secretary and Registrar: C. F. SEATH, E.R.D., F.S.C.A.

Publication: *Annual Report.*

Institute of Orthopaedics: Royal National Orthopaedic Hospital, 234 Great Portland St., W1N 6AD.

Dean: P. D. BYERS, B.SC., M.D., PH.D., M.R.C.PATH.
Secretary: C. H. AUDAER, B.A., F.A.A.I., A.M.B.I.M.

Institute of Psychiatry: De Crespigny Park, Denmark Hill, SE5 8AF.

Dean: J. L. T. BIRLEY, B.A., B.M., F.R.C.P., F.R.C.PSYCH., D.P.M.

Institute of Urology (University of London): 172–176 Shaftesbury Ave., W.C.2 (associated with the St. Peter's Hospitals).

Dean: D. INNES WILLIAMS, M.D., M.CHIR., F.R.C.S.

London School of Hygiene and Tropical Medicine (incorporating the Ross Institute and the T.U.C. Centenary Institute): Keppel St., WC1E 7HT; f. 1924, opened 1929.

Dean: Dr. C. E. G. SMITH.

Library: *see* Libraries.

Number of teachers: 125.

Number of students: *c.* 1,100.

Publications: *Memoir Series, The Journal of Helminthology.*

Royal Postgraduate Medical School: Hammersmith Hospital, Ducane Rd., W12 0HS; f. 1935.

Dean: MALCOLM GODFREY, M.B., B.S., F.R.C.P.

Library of 24,000 vols., 610 current periodicals.

Number of teachers: 161.

Number of students: *c.* 1,300.

II. Schools not in receipt of U.G.C. Grants

Heythrop College: 11–13 Cavendish Square, W1M 0AN; courses lead to the B.D., the M.Th., the Ph.D. in the Faculty of Theology and B.A. in philosophy and theology, M.A. in philosophy; library of 150,000 vols.

Principal: Rev. J. MAHONEY, S.J., M.A., D.D.

Secretary and Registrar: Rev. J. F. COLLISTON, S.J., B.A., S.T.L.

Number of teachers: 24.

Number of students: 150.

King's College, Theological Department: Strand, W.C.2; f. 1846.

Dean: Rev. Prof. U. E. SIMON, D.D.

Number of teachers: 19.

Number of students: 180.

Lister Institute of Preventive Medicine: Elstree, Herts., WD6 3AX; inc. 1891.

Chairman of Governing Body: Prof. A. NEUBERGER, C.B.E., M.D., F.R.C.P., F.R.S.

Secretary: G. J. RODERICK, B.COM.

UNIVERSITY INSTITUTES:

Centre of International and Area Studies: 15 Woburn Square, WC1H 0NS; f. 1969 to promote and co-ordinate International and Area Studies at graduate and advanced levels and to provide opportunities for academic collaboration between members of the University and other interested persons; study groups, seminars, conferences; 25 mems. of Committee of Management; 10 mems. Academic Planning Committee; Chair. of Committee of Management Dr. L. H. BUTLER (Royal Holloway); Chair. of Academic Planning Committee A. WALKER (School of Slavonic and East European Studies); Sec. ANTHONY ATMORE, B.A.

Courtauld Institute of Art: *see* under Colleges.

Institute of Advanced Legal Studies: 17 Russell Square, WC1B 5DR; f. 1947; provides a centre for postgraduate legal studies and legal research.

Director: Prof. A. L. DIAMOND, LL.M.

Secretary: J. A. BOXHALL, M.A.

Librarian: W. A. F. P. STEINER, LL.M., M.A., A.L.A.

Library: *see* Libraries.

Institute of Archaeology: 31–34 Gordon Square, WC1H 0PY; f. 1936.

Director: Prof. J. D. EVANS, M.A., PH.D., F.B.A., F.S.A.

Secretary: I. K. ORCHARDSON, M.A., PH.D.

Number of teachers: 22.

Number of students: 210.

Publications: *Annual Bulletin*† and occasional papers.

Institute of Classical Studies: 31–34 Gordon Square, WC1H 0PY; f. 1953; library of basic research books complemented by the library of the Hellenic and Roman Societies (joint library of over 50,000 volumes); research courses and seminars held for postgraduate students.

Director: Prof. E. W. HANDLEY, M.A., F.B.A.

Secretary: ALICIA TOTOLOS, B.A.

Publications: *Bulletin* (annual), *Bulletin Supplements* (occasional).

Institute of Commonwealth Studies: 27 Russell Square, WC1B 5DS; f. 1949; for postgraduate research in social sciences and recent history relating to the Commonwealth; library of 75,000 vols.

Director: Prof. W. H. MORRIS-JONES, B.SC.(ECON.).

Secretary: P. H. LYON, PH.D.

Librarian: Mrs. P. LARBY, M.A., F.L.A.

Institute of Education: 20 Bedford Way, London, WC1H 0AL; f. by London County Council as London Day Training College in 1902, transferred to control of University of London in 1932; advanced diplomas in specialist education; higher degrees; Institute Associateship.

Director: W. TAYLOR, PH.D.

Secretary: E. W. EARLE, B.A., D.SC.

Number of students: 2,500.

The library contains approx 185,000 vols. and 1,800 periodicals.

Publications: *Calendar*†, Handbooks for Teachers, *Studies in Education* (Occasional Papers)†, Annual Report, *Reporter*† (3 a year), *Education Libraries Bulletin* (termly) and supplements (occasional).

Institute of Germanic Studies: 29 Russell Square, WC1B 5DP; f. 1950 for postgraduate research.

Hon. Director: Prof. C. V. BOCK, M.A., DR.PHIL.

Deputy Director: M. O'C. WALSHE, M.A.

Secretary: KARIN HELLMER.

Librarian: V. J. RILEY, M.A., A.L.A.

Library of 45,000 vols.

Publications: *Annual Report, Theses in Germanic Studies at British Universities* (annual).

Institute of Historical Research: Senate House, WC1E 7HU; f. 1921.

Director: Prof. F. M. L. THOMPSON, M.A., D.PHIL.

Secretary and Librarian: WILLIAM KELLAWAY, M.A., F.L.A.

Library: *see* Libraries.

Institute of Latin American Studies: 31 Tavistock Square, WC1H 9HA; f. 1965 to promote Latin American studies at graduate level and to provide for discussion and collaboration between members of the University and other interested persons.

Director: Prof. JOHN LYNCH, M.A., PH.D.

Secretary: HAROLD BLAKEMORE, PH.D.

Librarian: BRIGID HARRINGTON, B.A., A.L.A.

Publications: *Latin American Monographs* (irregular), *Theses in Latin American Studies*† (annually), *Latin American Studies in the Universities of the United Kingdom*† (annually), *Staff Research in Progress or Recently Completed in the Humanities and the Social Sciences*† (annually), *Miscellaneous Publications* (irregular).

School of Slavonic and East European Studies: University of London, WC1E 7HU; f. 1915.

Director: A. H. WALKER, M.A.

Clerk to the Council: P. ROBINSON, M.I.P.M.

Registrar: SUSAN PENNEY.

Number of teachers: 47, including 6 professors.

Number of students: 249 full-time, 7 part-time.

Publication: *The Slavonic and East European Review*† (quarterly).

Institute of United States Studies: 31 Tavistock Square, W.C.1; f. 1965 to promote and co-ordinate graduate work in American studies in the University and to assist liaison between teachers of American subjects in other universities.

Director: Prof. E. WRIGHT, M.A.

Secretary: J. H. DANIELS, M.A., D.PHIL.

Librarian: ANGELA SMITH, B.A., A.L.A.

Publication: *American Studies Bibliography* on microfiche (monthly and annually).

Warburg Institute: Woburn Square, WC1H 0AB; f. 1905 for the study of the history of the classical tradition.

Director: Prof. J. B. TRAPP, M.A.

Publications: *Studies* (monographs), *Journal of the Warburg and Courtauld Institutes, Corpus Platonicum Medii Aevi, Mediaeval and Renaissance Studies, Warburg Institute Surveys.*

British Institute in Paris (Department of French): 9–11 rue de Constantine, 75007 Paris; f. in 1894 as "Guilde Internationale", attached to University of Paris 1927, incorporated in University of London 1969.

Director: Prof. C. L. CAMPOS, L. ÈS L., PH.D.

Head of French Department: Mrs. E. WILLIAMSON, PH.D.

London Secretary: Miss J. FENTON, British Institute in Paris, University of London, Senate House, London, W.C.1.

Mullard Space Science Laboratory: University College, London, and Holmbury St. Mary, Dorking, Surrey.

INSTITUTIONS WITH RECOGNIZED TEACHERS

The following institutions, although not constituent bodies of the University, have some recognized teachers of the University of London on their staffs.

Goldsmiths' College: Lewisham Way, New Cross, SE14 6NW; f. 1905; first and postgraduate internal degrees; professional studies and advanced courses in education and social sciences; adult studies.

Warden: RICHARD HOGGART, M.A., LITT.D., D.UNIV., D. ÈS L.

Library of 200,000 vols.

Number of recognized teachers: 110; other full-time teachers 201; number of registered internal students of the university 2,491; other full-time students 530.

Publications: *Prospectus, Annual Report.*

Jews' College.

London Graduate School of Business Studies.

Royal Academy of Music.

Royal College of Music.

Trinity College of Music.

Research Institutes

National Institute for Medical Research (*Medicine*).

Rothamsted Experimental Station (*Agriculture*).

LOUGHBOROUGH UNIVERSITY OF TECHNOLOGY

LOUGHBOROUGH, LEICS.

Telephone: Loughborough 63171.

Formerly Loughborough College of Technology; University Charter 1966.

Academic year: October to July (three terms).

Chancellor: Lord PILKINGTON, D.SC.

Senior Pro-Chancellor: D. B. COLLETT, F.P.R.I.

Pro-Chancellor: H. W. FRENCH, C.B.E., D.SC., C.ENG., F.I.E.E., F.INST.P., F.C.P.

Vice-Chancellor: C. C. BUTLER, PH.D., D.SC., M.INST.P., F.R.S.

Senior Pro-Vice-Chancellor: Prof. J. W. R. GRIFFITHS, PH.D., C.ENG., F.I.E.E., F.I.E.R.E.

Pro-Vice-Chancellor: R. L. CANNELL, M.ENG., C.ENG., F.I.E.E.

Registrar: F. L. ROBERTS, J.P., B.A.

Librarian: Prof. A. J. EVANS, B.PHARM., PH.D., F.L.A., M.I.INF.SC.

Library contains 300,000 vols.

Number of teachers: 500.
Number of students: 5,515.

Publications: *Gazette*† (5 a year), *Calendar*†, *Undergraduate Prospectus*†, *Postgraduate Prospectus*†, *Student Manual*†.

DEANS:

School of Engineering: Prof. R. J. SURY, PH.D., C.ENG., M.I.MECH.E., F.I.PROD.E.

School of Pure Applied Science: Prof. I. A. MENZIES, PH.D., D.SC., D.I.C., C.CHEM., F.R.I.C., F.I.M., F.I.CORR.T., F.I.M.F., C.ENG., M.I.M.M.

School of Human and Environmental Studies: Prof. B. SHACKEL, M.A., F.B.PS.S.

School of Educational Studies: Prof. P. HAVARD-WILLIAMS, M.A., F.L.A.I., A.L.A., A.N.Z.L.A.

PROFESSORS:

ADAMTHWAITE, A. P., PH.D., F.R.HIST.S., History
ASHFORD, N. J., PH.D., M.S.C.E., C.ENG., F.I.C.E., F.C.I.T., M.A.S.C.E., Transport Planning
BAJPAI, A. C., M.SC., F.I.M.A., Mathematical Education
BELL, R., PH.D., D.SC., C.ENG., M.I.MECH.E., M.I.E.E., Manufacturing Technology
BENTLEY, K. W., M.A., D.PHIL., D.SC., F.R.S.E., Organic Chemistry
BIRLEY, A. W., M.A., D.PHIL., F.P.R.I., Polymer Technology
BRITTAN, K. W., PH.D., D.I.C., Instrument Technology
BROCK, G. C., PH.D., C.ENG., F.I.C.E., Civil Engineering
BUTTERS, J. N., PH.D., C.ENG., F.INST.P., F.I.E.E., M.I.MECH.E., Mechanical Engineering
CAMPBELL, D. S., D.SC., D.I.C., C.ENG., F.I.E.R.E., F.INST.P., S.M.I.E.E.E., Component Technology
CANTOR, L. M., M.A., Education
CARTER, F. T. C., M.A., Modern Languages
CHERNS, A. B., M.A., F.B.PS.S., Social Sciences
COHEN, L., M.A., M.ED., PH.D., Education
DOWNS, B., M.ENG., C.ENG., M.I.MECH.E., Mechanical Engineering
ELLIOTT, C. K., PH.D., F.B.PS.S., Human Resource Management
EVANS, A. J., B.PHARM., PH.D., F.L.A., M.I.INF.SC., University Librarian
EVANS, D. J., D.SC., PH.D., F.I.M.A., F.B.C.S., Computing
FRESHWATER, D. C., PH.D., D.L.C.(SCI.), C.ENG., F.I.CHEM.E., Chemical Engineering
GRANEEK, M., B.ENG., C.ENG., M.I.MECH.E., M.I.E.E., F.I.O.P., Manipulative Machinery and Dir., Engineering Design Centre
GREGORY, G., M.A., M.S., M.SC., PH.D., Management Sciences
GRIFFITHS, J. W. R., PH.D., C.ENG., F.I.E.E. F.I.E.R.E., Electronics
HALES, F. D., PH.D., C.ENG., M.I.MECH.E., F.I.M.A., M.B.C.S., Surface Transport
HAVARD-WILLIAMS, P., M.A., A.L.A., A.N.Z.L.A., F.L.A.I., Library Studies
HIGGIN, G. W., M.A., PH.D., Continuing Management Education
HUSBAND, T. M., M.A., PH.D., C.ENG., F.I.PROD.E., Manufacturing Organization
JOHNS, D. J., M.SC.(ENG.), PH.D., C.ENG., F.R.AE.S., A.F.A.I.A.A., F.I.O.A., F.C.I.T., M.AE.S.I., Transport Technology
JONES, L. L., M.A., C.ENG., M.I.C.E., M.I.STRUCT.E., Structural Engineering
KIRK, N. S., PH.D., Consumer Ergonomics
LEES, F. P., M.A., PH.D., A.C.G.I., C.ENG., F.I.CHEM.E., F.I.PLANT.E., M.B.C.S., M.INST.M.C., Plant Engineering
LLEWELLYN, D. T., B.SC.(ECON.), Money and Banking
LUCAS, J., PH.D., English
MANN, J., PH.D., M.I.E., Chemical Engineering
MARSHALL, W. A., PH.D., F.I.BIOL., Human Biology
MENZIES, I. A., PH.D., D.SC., D.I.C., C.CHEM., F.R.I.C., F.I.M., F.I.CORR.T., F.I.M.F., C.ENG., M.I.M.M., Materials Technology
PHILLIPS, R. F., M.A., PH.D., C.ENG., C.CHEM., F.R.I.C., Industrial Chemistry
RAFFLE, J. R., PH.D., C.ENG., M.I.E.E., F.INST.P., F.R.S.A., Physics
SHACKEL, B., M.A., F.B.PS.S., Human Sciences
SIZER, J., B.A., F.C.M.A., M.B.I.M., F.R.S.A., Financial Management
SMITH, I. R., PH.D., D.SC., C.ENG., F.I.E.E., Electrical Power Engineering
STOREY, C., B.SC., F.I.M.A., Industrial Mathematics
SURY, R. J., PH.D., C.ENG., M.I.MECH.E., F.I.PROD.E., Engineering Production
SWANN, D., B.A., PH.D., Economics
THOMASON, H., M.SC., PH.D., F.R.S.M., M.E.R.S., Physical Education
TRIMBLE, E. G., B.SC., C.ENG., F.I.C.E., M.I.MECH.E., M.I.STRUCT.E., Construction Management
URQUHART, D. J., C.B.E., PH.D., D.SC., F.L.A., Library Studies (External Prof.)
WEBB, A., M.SC.(ECON.), Social Administration
WRAY, G. R., PH.D., D.SC., C.ENG., A.M.C.T., F.T.I., F.I.MECH.E., F.R.S.A., Mechanical Engineering

READERS:

ALEXANDER, A. J., M.SC., PH.D., C.ENG., M.I.MECH.E., M.R.AE.S., Mechanical Engineering
ALLWOOD, R. J., PH.D., Civil Engineering
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DENT, J. C., M.S., PH.D., C.ENG., M.I.MECH.E., Mechanical Engineering

Duncan, A. M., M.A., M.SC., PH.D., Social Sciences
Edwards, E., PH.D., A.B.PS.S., Ergonomics
Hamley, E. J., PH.D., M.I.BIOL., Human Biology
Hampson, N. A., PH.D., D.SC., C.CHEM., F.R.I.C., A.R.T.C.S., Electrochemistry
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Massey, A. G., PH.D., D.SC., C.CHEM., F.R.I.C., Inorganic Chemistry
Newcomb, T. P., M.SC., D.SC., F.INST.P., C.ENG., F.I.MECH.E., Transport Technology
Oldham, G., B.SC., C.ENG., C.CHEM., F.R.I.C., D.L.C.S., S.F.INST.F., F.I.NUC.E., Nuclear Chemistry
Pugh, S., B.SC.(ENG.), C.ENG., M.I.MECH.E., Smallpeice Reader in Engineering Design
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Sturgess, J. W., M.SC., PH.D., F.INST.P., C.ENG., M.I.E.E., Physics

Attached Institutes:

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Computer Centre: Dir. D. C. Hogg, M.A., A.F.I.M.A., F.B.C.S.

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VICTORIA UNIVERSITY OF MANCHESTER

OXFORD RD.,
MANCHESTER, M13 9PL
Telephone: 061-273 3333.
Founded 1903.

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Vice-Chancellor: Prof. Sir Arthur Armitage, M.A., LL.D.
Registrar: V. Knowles, O.B.E., M.A.
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Number of students: 15,659 (including 3,916 in the faculty of Technology and 156 postgraduates in the faculty of business administration).

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Birley, A. R., M.A., D.PHIL., F.S.A., Ancient History
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Cox, C. B., M.A., M.LITT., English Literature
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Jones, G. D. B., M.A., D.PHIL., F.S.A., Archaeology
Kantorowich, R. H., B.ARCH., M.A., R.I.B.A., F.R.T.P.I., Town and Country Planning
Keller, R. E., DR.PHIL., M.A., German Language and Medieval German Literature
Kerferd, G. B., M.A., Greek
Lejewski, C., MAG.FIL., M.A., PH.D., Philosophy
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Marshall, P. D., M.A., PH.D., American History and Institutions
Musson, A. E., M.A., Economic History
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Pullan, B. S., M.A., PH.D., Modern History
Ramsden, H., M.A., DR.FIL. & LET., Spanish Language and Literature
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Robinson, D. G., M.A., F.R.T.P.I., Regional Planning
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Faculty of Business Administration:
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Channon, D. F., B.SC., D.B.A., Marketing
Collcutt, R. H., B.SC.(ENG.), M.B.A., Occupational Research
Hague, D. C., C.B.E., M.COM., M.B.A., Managerial Economics
Lawson, G. H., M.A.(ECON.), M.B.A., A.A.C.C.A., Business Finance
Lupton, T., M.A., PH.D., Organizational Behaviour
McCosh, A. M., B.SC., D.B.A., C.A., Management Accounting
Morris, J. F., M.B.A., PH.D., Management Development
Stapleton, R. C., PH.D., Business Finance
Wood, D., M.COM., PH.D., Business Economics

Faculty of Economic and Social Studies:
Arnold, J. A., M.SC., A.C.A., Accounting
Artis, M. J., B.A., Economics
Austin, D. G., B.A., M.A.(ECON.), Government
Carsberg, B. V., M.SC.(ECON.), M.A. (ECON.), F.C.A., Accounting
Chaloner, W. H., M.A., PH.D., Economic History
Chapman, B., M.A., D.PHIL., M.A.(ECON.), Government
Coppock, D. J., B.A.(ECON.), Economics
Forsyth, G., B.A.(ECON)., Social Administration
Hague, D. C., M.COM., M.B.A., Managerial Economics
Ionescu, G. G., LIC. DROIT ET SC. POL., M.A.(ECON.), Government
Musson, A. E., M.A., Economic History
Parry, G. B., PH.D., Government
Peters, E. L., M.A., M.A.(ECON.), D.PHIL., Social Anthropology
Shanin, T., M.A.(ECON.), PH.D., Sociology
Steedman, I. W., PH.D., Economics
Thomas, W. J., M.SC., M.A.(ECON.), Agricultural Economics
Tordoff, W., M.A., M.A.(ECON.), PH.D., Government
White, D. J., M.A., M.A.(ECON.), M.SC., PH.D., Decision Theory
Worsley, P. M., M.A.(ECON.), PH.D., Sociology

Faculty of Education:

Mittler, P. J., M.A., M.ED., PH.D., Special Education
Musgrove, F., M.ED., PH.D., Education
Smithers, A. G., M.SC., PH.D., A.B.PS.S., Education
Taylor, I. G., M.D., D.P.H., F.R.C.P., F.C.S.T., Audiology and Education of the Deaf
Turner, J. D., M.A., Adult and Higher Education

Faculty of Law:

Armitage, Sir Arthur, M.A., LL.D., Common Law
Bromley, P. M., M.A., LL.M., Law
Farrand, J. T., LL.D., Law
Street, H., C.B.E., PH.D., LL.D., F.B.A., English Law
White, Gillian M., M.A., LL.B., PH.D., International Law

Faculty of Medicine (including Dental School):

Adams, P. H., M.B., CH.B., PH.D., M.R.C.P., Medicine
Beswick, T. S. L., M.A., M.SC., M.D., F.R.C.P., F.R.C.PATH., Virology
Blacklock, N. J., O.B.E., M.B., CH.B., F.R.C.S., Urological Surgery
Collard, P. J., J.P., M.D., M.SC., F.R.C.P., F.R.C.PATH., Bacteriology
Crowther, D., M.A., M.B., B.CHIR., M.SC., PH.D., M.R.C.P., Clinical Oncology
Daly, J. R., M.B., B.S., Chemical Pathology
Davis, J. A., M.B., B.S., M.SC., F.R.C.P., Child Health and Paediatrics
Dobbing, J., M.SC., M.B., B.S., M.R.C.P., **F.R.C.PATH., Child Growth and Development**
Easson, E. C., C.B.E., M.SC., M.D., D.M.R.T., F.R.C.R., F.R.C.P.GLAS., Radiotherapy
Elstein, M., M.D., M.R.C.O.G., Obstetrics and Gynaecology
Evanson, J. M., M.SC., M.B., CH.B., F.R.C.P., Medicine
Ford, W. L., M.B., CH.B., M.A., D.PHIL., M.R.C.P.ED., Experimental Pathology
Fox, H., M.D., M.R.C.PATH., Reproductive Pathology
Galasko, C. S. B., CH.M., F.R.C.S., Orthopaedic Surgery
Gardner, D. L., M.A., M.D., PH.D., F.R.C.P., F.R.C.PATH., Histopathology
Gillespie, I. E., M.D., M.SC., F.R.C.S., Surgery
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Grant, A. A., D.D.SC., M.SC., F.R.A.C.D.S., Prosthetic Dentistry
Harris, P. F., M.SC., M.D., Anatomy
Holloway, P. J., PH.D., Child Dental Health
Houston, I. B., M.D., D.C.H., M.R.C.P., Child Health
Irving, M. H., M.D., CH.M., M.SC., F.R.C.S., Surgery
Isherwood, I., M.B., CH.B., M.R.C.P., D.M.R.D., F.R.C.R., F.F.R., Diagnostic Radiology
Jackson, D. S., PH.D., Medical Biochemistry
Jayson, M. I. V., M.D., F.R.C.P., Rheumatology
Jones, J. H., M.D., M.SC., L.D.S.R.C.S., F.R.C.PATH., Oral Medicine
Kessel, W. I. N., M.A., M.SC., M.D., D.P.M., F.R.C.P., F.R.C.PSYCH., Psychiatry
Lajtha, L. G., M.D., D.PHIL., M.SC., F.R.C.PATH., Experimental Oncology
Lee, W. R., M.D., M.SC., D.I.H., D.OBST.R.C.O.G., F.R.C.P., Occupational Health
McFarlane, Jean K., M.SC., M.A., S.R.N., S.C.M., F.R.C.N., Nursing
Mawer, G. E., M.B., CH.B., PH.D., M.R.C.P.ED., Clinical Pharmacology
Metcalfe, D. H. H., M.A., M.B., B.CHIR., F.R.C.G.P., General Practice
Moore, J. R., M.D.S., M.SC., F.D.S.R.C.S., Oral Surgery
Nixon, G. S., D.D.SC., PH.D., M.SC., H.D.D., F.D.S., R.C.P.S.GLAS., F.D.S.R.C.S.ED., Conservative Dentistry
Parkhouse, J., M.A., M.SC., M.D., F.F.A. R.C.S., Anaesthetics
Pullan, B. R., M.SC., PH.D., Medical Biophysics
Schnieden, H., M.D., M.SC., Pharmacology, Materia Medica and Therapeutics
Sellwood, R. A., CH.M., M.SC., F.R.C.S., Surgery
Smith, Alwyn, M.B., CH.B., M.SC., PH.D., D.P.H., F.R.C.P.GLAS., F.F.C.M., F.R.C.G.P., Epidemiology and Social Oncology
Stanbury, S. W., M.D., F.R.C.P., Medicine
Stratton, F., D.SC., M.D., D.PH., F.R.C.P., F.R.C.PATH., Human Serology
Thomas, S., B.S., M.SC., M.D., Physiology
Tindall, V. R., M.D., M.SC., F.R.C.S., F.R.C.O.G., Obstetrics and Gynaecology
Turnberg, L. A., M.D., F.R.C.P., Medicine
Yates, P. O., M.D., F.R.C.PATH., Neuropathology

Faculty of Music:

Deane, B., M.MUS., PH.D., F.R.N.C.M., Music

Faculty of Science:

Bagnall, K. W., PH.D., D.SC., C.CHEM., F.R.I.C., Inorganic Chemistry
Barker, G. R., D.SC., PH.D., C.CHEM., F.R.I.C., Biochemistry
Baxendale, J. H., D.SC., Physical Chemistry
Blackburn, N., PH.D., Pure Mathematics
Byers Brown, W., D.SC., Theoretical Chemistry
Cane, Violet R., M.A., M.SC., Mathematical Statistics
Colhoun, J., M.AGR., PH.D., D.SC., D.I.C., F.L.S., Cryptogamic Botany
Cooper, R., PH.D., D.SC., C.ENG., F.I.E.E., Electrical Engineering
Davies, J. G., M.A., PH.D., Radio Astronomy
Davies, R. D., PH.D., D.SC., Radio, Astronomy
Donnachie, A., M.SC., PH.D., Theoretical Physics
Edwards, D. B. G., M.SC., PH.D., M.I.E.E., Computer Engineering
Elder, J. W., M.SC., PH.D., Geophysics
Elworthy, P. H., B.PHARM., PH.D., D.SC., C.CHEM., M.R.I.C., M.P.S., Pharmacy
Gibbons, M., M.SC., PH.D., Liberal Studies in Science
Grice, R., M.A., PH.D., Physical Chemistry
Guthrie, D. M., PH.D., F.R.S.E., Zoology
Hall, H. E., B.A., PH.D., M.SC., Physics
Hall, W. B., M.SC., C.ENG., F.I.MECH.E., Nuclear Engineering
Halliday, M. S., M.A., PH.D., Psychology
Hartley, B., M.A., PH.D., Pure Mathematics
Hoffman, G. R., PH.D., Electrical Engineering
Horne, M. R., M.A., M.SC., PH.D., SC.D., C.ENG., F.I.C.E., F.I.STRUCT.E., Civil Engineering
Illingworth, C. R., B.A., M.SC., Applied Mathematics
Johannesen, N. H., M.SC., DR.TECHN., C.ENG., F.I.MECH.E., F.R.AE.S., M.A.I.A.A., Mechanics of Fluids
Kahn, F. D., M.A., M.SC., D.PHIL., Astronomy
Kilburn, T., C.B.E., M.A., PH.D., D.SC., D.U., F.I.E.E., F.B.C.S., F.R.S., Computer Science
Kopal, Z., D.SC., Astronomy
Lovell, Sir Bernard, O.B.E., PH.D., D.SC., LL.D., F.INST.P., F.I.E.E., F.R.S., Radio-Astronomy
McDowell, D. M., M.SC., PH.D., C.ENG., F.I.C.E., M.AM.SOC.C.E., Civil Engineering
MacKenzie, W. S., M.A., M.SC., PH.D., F.R.S.E., Petrology
Moore, M. A., B.A., D.PHIL., Theoretical Physics
Morris, D., PH.D., Computer Programming
Morton, A. J., M.SC., C.ENG., F.I.MECH.E., A.M.I.MAR.E., M.INST.F., Mechanical Engineering
Murphy, P. G., B.A., M.S., M.SC., PH.D., Physics
Papangelou, F., M.SC., PH.D., Mathematical Statistics
Phillips, W. R., M.SC., PH.D., Physics
Read, F. H., PH.D., D.SC., F.INST.P., Physics
Reason, J. T., PH.D., Psychology
Rowe, P. W., PH.D., D.SC., C.ENG., F.I.C.E., A.M.I.W.E., Soil Mechanics
Rowland, M., PH.D., M.P.S., Pharmacy
Smith, Edwin, M.SC., PH.D., F.I.M., Metallurgy
Sumner, F. H., PH.D., F.B.C.S., Computing Science
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Trueman, E. R., D.SC., Zoology
Ursell, F. J., M.A., M.SC., SC.D., F.R.S., Applied Mathematics
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Walsh, Joan E., M.A., D.PHIL., Numerical Analysis
Williams, R., M.A., Government and Science Policy
Willmott, J. C., M.SC., PH.D., F.INST.P., Physics
Yates, C. E. M., PH.D., Mathematical Logic
Zussman, J., M.A., M.SC., PH.D., D.PHIL., F.INST.P., Geology

Faculty of Technology (in the University Institute of Science and Technology):

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Atkinson, B., PH.D., C.ENG., F.I.CHEM.E., Chemical Engineering
Black, G., M.SC., PH.D., D.I.C., F.INST.P., F.B.C.S., Computation
Brotton, D. M., PH.D., D.SC., C.ENG., F.I.C.E., F.I.STRUCT.E., Civil and Structural Engineering
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Burdekin, F. M., M.A., PH.D., C.ENG., M.I.C.E., M.I.MECH.E., F.WELD.I., Civil and Structural Engineering
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Cooper, C. B., PH.D., C.ENG., F.I.E.E., Electrical Engineering

Cooper, C. L., M.B.A., PH.D., Management Educational Methods

Cronly-Dillon, J. R., M.A., M.SC., PH.D., Ophthalmic Optics

Cruickshank, D. W. J., M.A., PH.D., SC.D., C.CHEM., F.R.I.C., Chemistry

Davies, B. J., B.SC.(ENG.), C.ENG., F.I.MECH.E., F.I.E.E., F.I.PROD.E., Manufacturing Technology

Dew, R. Beresford, LL.B., M.A., F.C.A., F.B.I.M., F.I.W.M., Management Sciences (Finance and Control)

Eddy, A. A., M.A., D.PHIL., M.SC.TECH., Biochemistry

Entwistle, K. M., M.SC., PH.D., F.I.M., Metallurgy

Gill, S. S., M.SC.TECH., D.SC., PH.D., C.ENG., F.I.MECH.E., F.I.STRUCT.E., Mechanical Engineering (Applied Mechanics)

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Hankins, H. C. A., PH.D., C.ENG., F.I.E.E., Communications Engineering

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Hollier, R. H., M.SC., PH.D., C.ENG., M.I.PROD.E., M.I.MECH.E., F.I.M.H., Operations Management

Hopkins, H. G., D.SC., F.I.M.A., Mathematics

Kropholler, H. W., B.SC., C.ENG., M.I.CHEM.E., Paper Science

Latham, J., PH.D., D.SC., A.R.C.S., D.I.C., F.R.MET.S., F.INST.P., Physics

Milward, A. S., M.A., PH.D., European Studies

Peters, R. H., PH.D., D.SC., F.S.D.C., F.T.I., Polymer and Fibre Science

Pickering, J. F., PH.D., Industrial Economics

Pilcher, R., M.SC., C.ENG., F.I.C.E., F.I.O.B., M.I.STRUCT.E., Building

Priestley, M. B., M.A., PH.D., Statistics

Ramage, R., PH.D., C.CHEM., F.R.I.C., Chemistry

Rhoderick, E. H., M.A., M.SC., PH.D., C.ENG., F.INST.P., F.I.E.E., Solid-State Electronics

Richards, B., M.SC., PH.D., F.B.C.S., F.I.M.A., Computation

Rose-Innes, A. C., M.A., D.PHIL., D.SC., F.INST.P., Physics and Electrical Engineering

Rosenbrock, H. H., PH.D., D.SC., C.ENG., F.I.E.E., F.I.CHEM.E., F.INST.M.C., F.R.S., Control Engineering

Rowntree, Sir N., D.SC., C.ENG., F.I.C.E., F.I.W.E.S., M.I.MUN.E., Civil Engineering

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Sager, J. C., M.A., M.SC., F.I.L., Modern Languages

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Faculty of Theology:

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Lindars, Rev. B., D.D., Biblical Criticism and Exegesis

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Livingstone, A. S., M.S., M.A.(ECON.), Administrative Studies for Overseas Visiting Fellows

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Wright, M. W., D.PHIL., Government

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Tipping, A. E., ph.d., d.sc., c.chem., f.r.i.c., Chemistry
Whitehouse, N. D., m.sc., c.eng., m.i.mech.e., Internal Combustion Engines

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Director: Prof. T. Lupton, m.a., ph.d.

Manchester Museum: *see* under Museums.

Whitworth Art Gallery: Oxford Rd., Manchester; Dir. Prof. C. R. Dodwell, m.a., ph.d., litt.d., f.r.hist.s., f.b.a., f.s.a.

Hester Adrian Research Centre for the Study of Learning Processes in the Mentally Handicapped: c/o The University, Manchester, M13 9PL; Dir. Prof. P. J. Mittler, m.a., m.ed., ph.d.

Centre for Urban and Regional Research: c/o The University, Manchester, M13 9PL; Dir. Prof. J. Parry Lewis, b.sc., m.a.

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Centre for Overseas Educational Development: c/o Faculty of Education, The University, Manchester, M13 9PL; Chair. of Cttee. Prof. J. D. Turner, m.a.

Manchester-Sheffield-U.M.I.S.T. School of Probability and Statistics: c/o Dept. of Mathematics, U.M.I.S.T., P.O.B. 88, Sackville St., Manchester, M60 1QD; Dir. Prof. M. B. Priestley, m.a., ph.d.

UNIVERSITY OF NEWCASTLE UPON TYNE

NEWCASTLE UPON TYNE,
NE1 7RU

Telephone: Newcastle 28511.

Founded 1851, incorporated as separate University in 1963.

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Vice-Chancellor: Prof. L. W. Martin, m.a., ph.d.

Pro-Vice-Chancellors: Prof. J. R. O'Callaghan, m.sc., c.eng., f.i.mech.e., Prof. D. A. West, m.a.

Registrar: R. Butler, m.a.

Librarian: B. J. Enright, m.a., d.phil.

Number of teachers: 838, including 119 professors.

Number of students: 7,173.

Publications: *Calendar, Undergraduate Prospectus, Postgraduate Prospectus, Vice-Chancellor's Report, Riddell Memorial Lectures, Earl Grey Memorial Lectures, William Henry Charlton Memorial Lectures, Marchon Lectures.*

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Professors:

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Crowe, R. V., m.a., f.r.i.b.a., m.r.t.p.i., Architecture
Danby, M. W., m.a., r.i.b.a., Architecture
Hardy, A. C., m.a., b.arch., dip.t.p., a.r.i.b.a., m.r.t.p.i., Building Science
Harrison, R. M., m.a., f.s.a., Archaeology
Honigmann, E. A. J., m.a., d.litt., English Literature
Jones, W. G., m.a., ph.d., Scandinavian Studies
Matthews, D., c.b.e., m.a., f.r.a.m. Music
McCord, N., ph.d., Social History
Menhennet, A., m.a., d.phil., German
Rowntree, K., m.a., Fine Art
Strang, Barbara M. H., m.a., English Language, General Linguistics
Strang, C., m.a., Philosophy
Watt, J. A., ph.d., Medieval History
West, D. A., m.a., Latin
Yarrow, P. J., m.a., d.u., French

Faculty of Social Sciences:
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Berrington, H. B., b.sc.(econ) Politics
Collison, P., m.a., ph.d., Social Studies
Jones-Lee, M. W., d.phil., Economics
Rowley, C. K., ph.d., Economics
Timms, N. W., m.a., Social Work Studies

Faculty of Law:
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Elliott, D. W., ll.b., Law
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Faculty of Medicine:
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Cooper, E. A., m.a., m.d., b.chir., ph.d., f.f.a.r.c.s., Anaesthesia
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Thomson, A. M., B.SC., M.B., F.R.C.O.G., Social Obstetrics
Tomlinson, B. E., M.D., F.R.C.P., F.R.C.PATH., Pathology
Tonge, C. H., T.D., M.B., B.D.S., DD.SC., F.D.S.R.C.S., Oral Anatomy
Walder, D. N., M.D.,CH.M., F.R.C.S., F.R.C.S.ED., Surgical Science
Walker, J. H., M.D., F.R.C.G.P., F.F.C.M., Family and Community Medicine
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Thompson, R. V., PH.D., M.ENG., C.ENG., F.I.MAR.E., F.I.MECH.E., Marine Engineering
Thornton, J. D., PH.D., D.SC., C.CHEM., F.R.I.C., C.ENG., F.I.CHEM.E., Chemical Engineering

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Arnold, P. W., M.A., PH.D., Soil Science
Ashton, J., M.A., M.S., Agricultural Economics
Dickson, G. R., PH.D., F.I.BIOL., Agriculture
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Russell, G. E., M.A., PH.D., SC.D., F.I.BIOL., F.R.E.S., Agricultural Biology

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Case, R. M., PH.D., Physiology
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Dawes, J. D. K., M.D., F.R.C.S., Ear, Nose and Throat Studies
Dickson, J. A., M.D., PH.D., Biochemistry of Cancer
Ellis, H. A., M.D., PH.D., F.R.C.PATH., Pathology
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Parkin, J. M., M.D., F.R.C.P., Paediatrics
Pennington, R. J. T., PH.D., D.SC., F.R.S.E., Neurochemistry
Reed, J. D., PH.D., Physiology
Simpson, H. E., M.D.S., F.R.C.PATH., Oral Pathology
Taylor, W., PH.D., Steroid Biochemistry
Watson, A. J., M.D., F.R.C.PATH., Pathology

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Emmerson, P. T., PH.D., Biochemistry
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Marsh, H., PH.D., D.SC., Carbon Science
Molyneux, L., PH.D., M.B.C.S., Physical Instrumentation
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Panchen, A. L., M.A., PH.D., Vertebrate Zoology
Scholes, G., PH.D., D.SC., C.CHEM., F.R.I.C., Radiation Chemistry
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Faculty of Agriculture:
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UNIVERSITY OF NOTTINGHAM

UNIVERSITY PARK,
NOTTINGHAM, NG7 2RD
Telephone: 0602-56101.
Telegraphic Address:
University, Nottingham.

Founded 1948.

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Library: *see* Libraries.

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Number of students: 6,300.

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Morris, R., PH.D., Zoology
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Power, G., M.B.E., M.A., PH.D., F.INST.P., Mathematics

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OPEN UNIVERSITY

WALTON HALL,
MILTON KEYNES, MK7 6AA
BUCKINGHAMSHIRE
Telephone: 0908-74066.

Founded 1969.

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Secretary: A. CHRISTODOULOU, C.B.E., M.A.

Librarian: D. J. SIMPSON, B.SC.(ECON.).

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Number of part-time students: *c.* 55,000.

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Faculty of Science: Prof. M. PENTZ, M.SC., M.SC.(ENG.).
Faculty of Social Sciences: A. T. BLOWERS, M.LITT.
Faculty of Technology: Prof. J. J. SPARKES, PH.D., M.I.E.E., S.M.I.E.E., C.ENG.

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Regional Tutorial Services: R. H. BEEVERS, M.A.

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GREENE, J. M., M.A., PH.D., Psychology
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MARWICK, A. J. B., M.A., History
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UNIVERSITY OF OXFORD

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Telephone: 56747.
Postal Address:
University Offices, Wellington Square,
Oxford, OX1 2JD.

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Keble—Keble College.
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Needham, R., D.LITT., Social Anthropology (All S.)

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Duthie, R. B., M.A., Orthopaedic Surgery (Worc.)
Gelder, M. G., D.M., W. A. Handley Professor of Psychiatry (Mert.)
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Matthews, W. B., D.M., Clinical Neurology (S. Edm.)
McGee, J. O'D., PH.D., M.D., Morbid Anatomy (Linacre)
Morris, P. J., PH.D., Surgery (Ball.)
Randle, P. J., PH.D., M.D., Clinical Biochemistry (Hertf.)
Sleight, P., D.M., Cardiovascular Medicine (Exeter)
Tizard, J. P. M., C.B.E., B.M., M.A., Paediatrics (Jesus)
Turnbull, A. C., M.D., Obstetrics and Gynaecology (Oriel)
Vessey, M. P., M.D., Social and Community Medicine (S. Cross)
Weatherall, D. J., M.D., F.R.S., Clinical Medicine (Magd.)

DIRECTORS:

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Potter, J. M., D.M., Post-graduate Medical Education and Training (Wadh.)

READERS:

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Ledingham, J. G. G., D.M., F.R.C.P., Medicine (New)
Peto, R., M.SC., Cancer Studies
Truelove, S. C., M.D., Clinical Medicine (Magd.)

Department of Educational Studies:

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READER:

Loukes, H., M.A. (Jesus)

Department for External Studies:

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Smethurst, R. G., M.A. (Worc.)

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Carey, J., D.PHIL., English Literature (Mert.)
Davis, N., M.B.E., M.A., F.B.A., English Language and Literature (Mert.)
Dobson, E. J., D.PHIL., English Language (Jesus)
Ellmann, R., PH.D., English Literature (New)
Stanley, E. G., Anglo-Saxon (Pemb.)

READERS:

Buxton, E. J. M., M.A., English Literature (New)
Dronke, U. M., B.LITT., Ancient Icelandic Literature and Antiquities (Linacre)
Foxon, D. F., M.A., Textual Criticism (Wadh.)
Jones, E. L., M.A., English Literature (Magd.)

Faculty of Fine Art:

PROFESSORS:

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Haskell, F. J. H., M.A., F.B.A., History of Art (Trin.)
Morsberger, P., M.A., Ruskin Master of Drawing (New)

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PROFESSORS:

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Gowing, Mrs. M. M., M.A., F.B.A., History of Science (Linacre)
Graebner, N. M., M.A., American History (Qu.)
Howard, M. E., M.A., D.LITT., History of War (All S.)
Mathias, P., M.A., Economic History (All S.)
Obolensky, Prince Dimitri, PH.D., Russian and Balkan History (Ch. Ch.)
Platt, D. C. M., D.PHIL., History of Latin America (S. Ant.)
Pole, J. R., PH.D., American History and Institutions
Robinson, R. E., C.B.E., M.A., History of the British Commonwealth (Ball.)
Trevor-Roper, H. R., M.A., F.B.A., Modern History—Regius (Oriel)
Wallace-Hadrill, J. M., D.LITT., Modern History (All S.)

READERS:

Chaplais, P. T. V. M., PH.D., Diplomatic History (Wadh.)
Colvin, H. M., C.B.E., M.A., Architectural History (S. Joh.)
Dickson, P. G. M., D.PHIL., Modern History (S. Cat.)
Raychaudhuri, T., D.PHIL., Modern South Asian History (S. Ant.)
Thirsk, Mrs. I. J., PH.D., Economic History (S. Hil.)
Thomas, K. V., M.A., Modern History (S. Joh.)
Urry, W. G., PH.D., Medieval Western Paleography (S. Edm.)
Webster, C., M.A., History of Medicine (Corp.)

Faculty of Law:

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Cross, Sir Rupert, D.C.L., English Law (All S.)
Dworkin, R. M., M.A., Jurisprudence (Univ.)
Honoré, A. M., D.C.L., Civil Law—Regius (All S.)
O'Connell, D. P., M.A., PH.D., LL.D., Public International Law (All S.)

READERS:

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Forrest, W. G. G., M.A., Ancient History (New)
Frere, S. S., C.B.E., M.A., F.B.A., Archaeology of the Roman Empire (All S.)
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Lloyd-Jones, P. H. J., M.A., F.B.A., Greek—Regius (Ch. Ch.)
Nisbet, R. G. M., M.A., F.B.A., Latin Language and Literature (Corp.)
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STRAWSON, Sir PETER, M.A., F.B.A., Metaphysical Philosophy (Magd.)

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GANDY, R. O., M.A., PH.D., Mathematical Logic (Wolfs.)
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WOODS, L. C., D.PHIL., D.SC., Mathematics (Theory of Plasma) (Ball.)

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MURRAY, J. D., D.SC., Mathematics (Corp.)
SEGAL, G. B., D.PHIL., Mathematics (S. Cat.)

Faculty of Modern Languages:

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GRAYSON, C., M.A., Italian Studies (Magd.)
HARRIS, R., M.A., D.PHIL., General Linguistics (Trin.)
McFARLANE, I. D., M.A., D.U., French Literature (Wadh.)
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POSNER, R., D.PHIL., Romance Languages (S. Hug.)
PRAWER, S. S., D.PHIL., D.LITT., LITT.D., German Language and Literature (Qu.)
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SCHERER, J., M.A., D. ÈS L., French Literature (All S.)

READERS:

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READER:

STERNFELD, F. W., PH.D., History of Music (Exeter)

Faculty of Oriental Studies:

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GOMBRICH, R. F., D.PHIL., Sanskrit (Ball.)
GURNEY, O. R., D.PHIL., Assyriology (Magd.)
MADELUNG, W. F., PH.D., Arabic
MATILAL, B. K., M.A., Eastern Religions and Ethics (All S.)
VAN DER LOON, P., M.A., D.R.S., Chinese (Univ.)

READERS:

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RAYCHAUDHURI, T., D.PHIL., Modern South Asian History (S. Ant.)
VERMES, G., M.A., D.THEOL., Jewish Studies (Wolfs.)
WERNBERG-MÖLLER, P., D.PHIL., Semitic Philology (S. Pet.)

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BLACKWELL, D. E., PH.D., Astronomy (New)
CHRISTIAN, J. W., D.PHIL., F.R.S., Physical Metallurgy (S. Edm.)
DALITZ, R. H., PH.D., F.R.S., Research Professor of the Royal Society, Theoretical Physics (All S.)
ELLIOTT, R. J., D.PHIL., F.R.S., Physics (New)
GOODENOUGH, J. B., M.A., Inorganic Chemistry (S. Cat.)
HEMP, W. S., M.A., Structural Engineering (Keble)
HIRSCH, Sir PETER, D.PHIL., F.R.S., Metallurgy (S. Edm.)
HOUGHTON, J. T., D.PHIL., F.R.S., Atmospheric Physics (Jesus)
MARCH, N. H., M.A., PH.D., Theoretical Chemistry (Univ.)
MITCHELL, E. W. J., M.A., Experimental Philosophy
PAIGE, E. G. S., PH.D., Engineering (S. Cat.)
PERKINS, D. H., PH.D., F.R.S., Elementary Particle Physics (S. Cat.)
ROWLINSON, J. S., M.A., D.PHIL., F.R.S., Physical Chemistry (Exeter)
SANDARS, P. G. H., D.PHIL., Experimental Physics (Ball.)
VINCENT, E. A., PH.D., Geology (Univ.)
WILLIAMS, R. J. P., D.PHIL., F.R.S., Royal Society Napier Research Professor, Inorganic Chemistry (Wadh.)

READERS:

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CAMPBELL, J. D. E., D.PHIL., Engineering Science (Univ.)
GRACE, M. A., D.PHIL., Nuclear Physics (Ch. Ch.)
MOORBATH, S., D.SC., F.R.S., Geology (Linacre)
ROBBINS, A. R., B.SC., D.PHIL., Surveying and Geodesy (S. Cross)
ROSENBERG, H. M., D.PHIL., Physics (S. Cat.)
SCHULTZ, D. L., D.PHIL., Engineering Science (S. Cat.)
SPENCE, D. A., D.SC., Theoretical Mechanics (Linc.)
STAVELEY, L. A. K., D.SC., Inorganic Chemistry (New)
TAYLOR, J. C., PH.D., Theoretical Physics (Univ.)
TER HAAR, D., D.SC., Theoretical Physics (Magd.)
TURNER, D. W., PH.D., Physical Chemistry (Ball.)
WHELAN, M. J., D.PHIL., F.R.S., Physical Examination of Materials (Linacre)
WHITTAKER, E. J. W., PH.D., F.I.P., Mineralogy (S. Cross)
YOUNG, G. T., D.SC., Chemistry (Jesus)

Faculty of Physiological Sciences:

PROFESSORS:

ABRAHAM, E. P., D.PHIL., F.R.S., Chemical Pathology (Qu.)
HARRIS, H., D.PHIL., F.R.S., Pathology (Linc.)
PATON, W. D. M., C.B.E., D.M., F.R.S., Pharmacology (Ball.)
PHILLIPS, C. G., D.M., F.R.S., Anatomy
WHITTERIDGE, D., D.M., F.R.S., Physiology (Magd.)

READERS:

COXON, R. V., D.PHIL., F.R.C.P., Human Physiology (Exeter)
GORDON, G., D.M., Sensory Physiology (Bras.)
GORDON, S., M.A., Experimental Pathology (Exeter)
PORTERFIELD, J. S., M.A., Bacteriology (Wadh.)
POWELL, T. P. S., M.D., F.R.C.S., F.R.S., Neuroanatomy (S. Joh.)
VAN HEYNINGEN, W. E., D.SC., Bacterial Chemistry (S. Cross)

Faculty of Psychological Studies:

PROFESSORS:

BRUNER, J. S., PH.D., Psychology (Wolfs.)
WEISKRANTZ, L., PH.D., Psychology (Magd.)

READERS:

ARGYLE, J. M., M.A., Social Psychology (Wolfs.)
COWEY, A., D.PHIL., Physiological Psychology (Linc.)

Faculty of Social Studies:

PROFESSORS:

BROWN, J. A. C., M.A., Applied Economics (Mert.)
BULL, H., B.PHIL., International Relations (Ball.)
FINER, S. E., M.A., Government and Public Administration (All S.)
HALSEY, A. H., M.A., Social and Administrative Studies (Nuff.)
KIRKWOOD, K., M.A., Race Relations (S. Ant.)
MIRRLEES, J. A., M.A., PH.D., Economics (Nuff.)
SEN, A. K., M.A., PH.D., Economics
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TAYLOR, C. M., D.PHIL., Social and Political Theory (All S.)

DIRECTORS:

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JACKSON, E. F., M.A., Institute of Economics and Statistics (S. Ant.)

READERS:

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BLISS, C. J., M.A., PH.D., International Economics (Nuff.)

HAMMERSLEY, J. M., D.SC., Mathematical Statistics (Trin.)
JOHNSON, N., M.A., Comparative Study of Institutions (Nuff.)
KASER, M. C., M.A., Economics (S. Ant.)
MADDEN, A. F., B.LITT., M.A., D.PHIL., Commonwealth Government (Nuff.)
RYAN, A. J., M.A., Politics (New)
SUPPLE, B. E., PH.D., Recent Social and Economic History
WILSON, B. R., M.A., Sociology (All S.)

Faculty of Theology:

PROFESSORS:

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CAIRD, Rev. G. B., D.PHIL., D.D., F.B.A., Exegesis of Holy Scripture (Qu.)
MACQUARRIE, Rev. J., M.A., Divinity (Ch. Ch.)
MCMANNERS, Rev. J., M.A., Ecclesiastical History—Regius (Ch. Ch.)
MITCHELL, B. G., M.A., Philosophy of the Christian Religion (Oriel)
WILES, Rev. M. F., D.D., Divinity (Ch. Ch.)

MEN'S COLLEGES, HALLS

All Souls College: f. 1438.
Warden: F. P. NEILL, M.A., Q.C.

Balliol College: f. 1263; admits women Fellows.
Master: A. J. P. KENNY, D.PHIL.

Christ Church: f. 1546.
Dean: The Very Rev. H. CHADWICK, D.D., MUS.B., F.B.A.

Corpus Christi College: f. 1517; admits women graduates.
President: Sir KENNETH DOVER, M.A.

Exeter College: f. 1314.
Rector: W. G. BARR, M.A.

Keble College: f. 1870.
Warden: Rev. D. E. NINEHAM, B.D., M.A.

Lincoln College: f. 1427.
Rector: The Rt. Hon. Lord TREND, G.C.B., C.V.O.

Magdalen College: f. 1458.
President: J. H. E. GRIFFITHS, O.B.E., M.A., D.PHIL.

Merton College: f. 1264.
Warden: J. M. ROBERTS, D.PHIL. (acting).

New College: f. 1379; admits women Fellows.
Warden: A. H. COOKE, M.B.E., D.PHIL.

Oriel College: f. 1326.
Provost: K. C. TURPIN, M.A.

Pembroke College: f. 1624.
Master: Sir GEOFFREY ARTHUR, K.C.M.G.

The Queen's College: f. 1340.
Provost: The Rt. Hon. Lord BLAKE, M.A., F.B.A.

St. Edmund Hall: f. *ca.* 1278.
Principal: Rev. Canon J. N. D. KELLY, D.D., F.B.A.

St. John's College: f. 1555.
President: Sir RICHARD SOUTHERN, M.A., F.B.A.

St. Peter's College: f. 1929 as St. Peter's Hall.
Master: Prof. G. E. AYLMER, D.PHIL.

Trinity College: f. 1554.
President: A. M. QUINTON, M.A.

University College: f. 1249.
Master: Lord GOODMAN, C.H., M.A.

Worcester College: f. 1714.
Provost: Lord BRIGGS, M.A.

PERMANENT PRIVATE HALLS

Campion Hall: f. 1896.
Master: Rev. P. EDWARDS, M.A.

Greyfriars: f. 1910.
Warden: Very Rev. C. J. REEL, M.A

Mansfield College: f. 1885.
Principal: D. A. SYKES, D.PHIL.

Regent's Park College: f. 1810.
Principal: Rev. B. R. WHITE, M.A., D.PHIL.

St. Benet's Hall: f. 1897.
Master: Rev. C. L. J. FORBES, M.A.

WOMEN'S COLLEGES:

Lady Margaret Hall: f. 1878.
Principal: Mrs. ELIZABETH M. CHILVER, M.A. (until October 1979); D. M. STEWART (from October 1979).

St. Anne's College: f. 1893 (as Society of Oxford Home Students).
Principal: Mrs. NANCY K. TRENAMAN, M.A.

St. Hilda's College: f. 1893.
Principal: Mrs. MARY L. SOMERVILLE BENNETT, M.A.

St. Hugh's College: f. 1886.
Principal: Miss M. R. TRICKETT, M.A.

Somerville College: f. 1879.
Principal: Mrs. BARBARA D. CRAIG, M.A.

MIXED COLLEGES:

Brasenose College: f. 1509 for men; women admitted 1974.
Principal: J. K. B. M. NICHOLAS, M.A.

Hertford College: f. 1874 for men; women admitted 1974.
Principal: G. J. WARNOCK, M.A.

Jesus College: f. 1571 for men; women admitted 1974.
Principal: Sir JOHN HABAKKUK, M.A., F.B.A.

Linacre College: f. 1962, as Linacre House.
Principal: J. B. BAMBOROUGH, M.A.

Nuffield College: f. 1937.
Warden: M. G. BROCK, M.A.

St. Antony's College: f. 1950.
Warden: A. R. M. CARR, M.A.

St. Catherine's College: f. 1868, reconstituted as a full College 1962; women admitted 1974.
Master: Lord BULLOCK, M.A., D.LITT., F.B.A.

St. Cross College: f. 1965.
Master: W. E. VAN HEYNINGEN, M.A., D.SC.

Wadham College: f. 1612; women admitted 1974.
Warden: S. N. HAMPSHIRE, M.A., F.B.A.

Wolfson College: f. 1965.
President: The Hon. Sir HENRY FISHER, M.A.

ATTACHED INSTITUTES:

Institute of Commonwealth Studies: Queen Elizabeth House, 21 St. Giles, Oxford; f. 1945.
Director: Dr. K. B. GRIFFIN, D.PHIL.

Ruskin School of Drawing and Fine Art: *see* under Colleges.

Commonwealth Forestry Institute: South Parks Rd., Oxford; f. 1924 for research and higher studies in forestry; Dir. Prof. J. L. HARLEY, M.A., D.PHIL., F.R.S.

Maison Française: *see* under Learned Societies.

Oxford Centre for Management Studies: *see* under Colleges.

Centre for Postgraduate Hebrew Studies: Principal D. PATTERSON, M.A.

Centre for Socio-Legal Studies: Dirs. D. R. HARRIS, B.C.L., M.A., R. M. HARTWELL, M.A., D.PHIL.

UNIVERSITY OF READING

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BERKSHIRE, RG6 2AH
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University Extension College established 1892; University Charter granted 1926.

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Vice-Chancellor: Prof. E. S. PAGE, M.A., PH.D.
Deputy Vice-Chancellor: Prof. G. W. A. FOWLES, PH.D., D.SC., C.CHEM., F.R.I.C.
Registrar: J. F. JOHNSON, B.A.
Librarian: J. THOMPSON, B.A., F.L.A.

Library: *see* Libraries.

Number of teachers: 650, including 83 professors.

Number of students: 5,771.

Publication: *Proceedings of the University* (annually).

DEANS:

Faculty of Letters and Social Sciences: Prof. R. DAVIS, M.A., D.PHIL.
Faculty of Science: Prof. V. H. HEYWOOD, PH.D., D.SC.
Faculty of Agriculture and Food: Prof. E. H. ROBERTS, PH.D., D.SC., F.I.BIOL.
Faculty of Urban and Regional Studies: Prof. W. D. BIGGS, M.A., PH.D., F.I.M.

School of Education: Prof. J. WRIGLEY, C.B.E., M.ED., PH.D., F.B.PS.S. (Chair.).

PROFESSORS:

(some professors serve in more than one faculty)

Faculty of Letters and Social Sciences:

ANDRESKI, S. L., M.SC.(ECON.), PH.D., Sociology
BROMWICH, M., B.SC.(ECON.), Finance and Accounting
CAMPBELL, P. W., M.A., Politics
COUPE, W. A., M.A., PH.D., German
CRYSTAL, D., PH.D., Linguistic Science
DAVIES, MARGARET C., M.A., D.UNIV., French
DAVIS, R., M.A., D.PHIL., Psychology
DOWNES, J. K., PH.D., F.S.A., History of Art
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VAN EMDEN, W. G., PH.D., French
FLETCHER, I., PH.D., English
FLEW, A. G. N., M.A., D.LITT., Philosophy
FROY, M., DIP.FINE ART, Fine Art
GREGORY, R. G., M.A., D.PHIL., Politics
GURR, A. J., M.A., PH.D., English
HALL, P. G., M.A., PH.D., Geography
HART, P. E., B.SC.(ECON.), Economics
HUFTON, OLWEN, PH.D., F.R.HIST.S., History
JACKSON, P., LL.B., B.C.L., M.A., BAR., Law
LEPSCHY, G. C., D.LETT., Italian
LOCKWOOD, W. B., M.A., D.LITT., Germanic and Indo-European Philology
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MATTHEW, D. J. A., M.A., D.PHIL., History
MATTHEWS, P. H., M.A., Linguistic Science
MENEGHELLO, L., D.FIL., Italian
MORGAN, E. V., M.A., Economics
PALMER, F. R., M.A., F.B.A., Linguistic Science
PARKINSON, G. H. R., M.A., D.PHIL., Philosophy
SALVESEN, C. G., B.A., B.LITT., English
SAVIGEAR, R. A. G., B.A., Geography
SMITH, C., M.A., PH.D., French
TWYMAN, M. L., PH.D., Typography and Graphic Communication
WEST, W. A., LL.M., BAR., Law Relating to the Land
WILLIAMS, R. D., M.A., Classics
WISHART, P. C. A., B.MUS., F.G.S.M., Music

Faculty of Science:

ALLEN, J. R. L., D.SC., Geology
ALLEN, P., F.R.S., M.A., PH.D., Geology
BAILEY, D. K., M.A., PH.D., Geology
BRYCE-SMITH, D., D.SC., C.CHEM., F.R.I.C., Organic Chemistry
CURNOW, R. N., PH.D., Applied Statistics
DAVIS, R., M.A., D.PHIL., Psychology
DILS, R. R., PH.D., D.SC., C.CHEM., F.R.I.C., F.I.BIOL., Physiology & Biochemistry
DUNN, P. D., PH.D., F.I.E.E., C.ENG., F.I.MECH.E., Engineering Science
VAN EMDEM, H. F., PH.D., Applied Entomology
EVANS, T., PH.D., D.SC., Physics
FAULKNER, E. A., M.A., PH.D., C.ENG., F.I.E.E., F.I.E.R.E., Solid State Electronics
FELLGETT, P. B., M.A., PH.D., F.R.S.E., F.B.C.S., C.ENG., F.I.E.E., F.I.E.R.E., F.INST.M.C., Cybernetics
FOWLES, G. W. A., B.SC., PH.D., D.SC., C.CHEM., F.R.I.C., Inorganic Chemistry
FREY, H. M., M.A., D.PHIL., C.CHEM., F.R.I.C., Physical Chemistry
GREENLAND, D. J., M.A., D.PHIL., F.I.BIOL., Soil Science
HALL, P. G., M.A., PH.D., Geography
HARBORNE, J. B., PH.D., D.SC., Botany
HEYWOOD, V. H., PH.D., D.SC., Botany
HIRST, W., PH.D., D.SC., F.INST.P., C.ENG., F.I.MECH.E., Tribology
HOCKNEY, R. W., M.A., PH.D., Computer Science
HOPKINS, H. H., D.SC., D. ÈS SC., F.INST.P., F.R.S., Applied Optics
HUNT, J. N., PH.D., D.I.C., A.R.C.S., F.R.MET.S., F.R.A.S., F.I.M.A., Applied Mathematics
KAPLAN, C., M.SC., M.B., CH.B., F.R.C.PATH., Microbiology
MCCOMBIE, C. W., M.A., PH.D., F.R.S.E., Physics
MILLS, I. M., B.SC., D.PHIL., Chemical Spectroscopy
MOORE, D. M., PH.D., Botany
MORTON, K. W., M.A., PH.D., Applied Mathematics
NASH-WILLIAMS, C.ST.J.A., M.A., PH.D., F.R.S.E., Pure Mathematics
NEWMAN, R. C., PH.D., F.INST.P., Physics
NURSTEN, H. E., PH.D., D.SC., C.CHEM., F.R.I.C., F.I.F.S.T., Food Science
PEARCE, R. P., PH.D., F.R.S.E., F.R.MET.S., Meteorology
SAVIGEAR, R. A. G., B.A., Geography
SERIES, G. W., M.A., D.PHIL., D.SC., F.R.S., Physics
SEWELL, M. J., PH.D., D.SC., F.I.M.A., Applied Mathematics
SIMKISS, K., PH.D., D.SC., Zoology
WAITES, G. H. M., M.A., PH.D., F.I.BIOL., Physiology & Biochemistry
WILLIAMS, G., B.SC., Zoology
WRIGHT, J. D. M., M.A., D.PHIL., F.R.S.E., Pure Mathematics

Faculty of Agriculture and Food:

BLAKEBROUGH, N., M.SC.TECH., PH.D., C.ENG., F.I.CHEM.E., Food Technology
BOWMAN, J. C., PH.D., F.I.BIOL., Animal Production
BUNTING, A. H., C.M.G., M.SC., D.PHIL., LL.D., F.I.BIOL., Agricultural Development Overseas
MCINERNEY, J. P., PH.D., Agricultural Economics and Management
ROBERTS, E. H., PH.D., D.SC., F.I.BIOL., Crop Production
ROLFE, E. J., B.SC., M.CHEM.A., C.CHEM., F.R.I.C., F.I.F.S.T., Food Technology
SPEDDING, C. R. W., M.SC., PH.D., D.SC., F.I.BIOL., Agricultural Systems
TUCK, R. H., M.A., Agricultural Economics and Management
WILLIAMS, W., D.SC., F.I.BIOL., Agricultural Botany

Faculty of Urban and Regional Studies:

BENNETT, J., A.R.I.C.S., Quantity Surveying
BIGGS, W. D., PH.D., F.I.M., Building Technology
DAVIES, H. W. E., M.SC.(ECON.), M.R.T.P.I., Planning
MILES, C. W. N., M.A., F.R.I.C.S., Land Management

School of Education:

WILSON, R., B.A., Education
WRIGLEY, J., C.B.E., M.ED., PH.D., F.B.PS.S., Curriculum Research and Development

ATTACHED INSTITUTIONS:

National Institute for Research in Dairying: Shinfield, Reading, RG2 9AT; f. 1912 for the investigation of problems in dairying and allied subjects; more than 20,000 vols. and 35,000 pamphlets in library and over 450 current journals; Dir. J. W. G. PORTER, M.A., PH.D., F.I.BIOL.; Sec. J. C. F. COLES; publ. *Annual Report.*

AFFILIATED INSTITUTE:

College of Estate Management: *see* under Colleges.

UNIVERSITY OF ST. ANDREWS

ST. ANDREWS, FIFE, SCOTLAND

Telephone: 4411.

Founded 1410.

Chancellor: Brig. The Lord BALLANTRAE, K.T., G.C.M.G., G.C.V.O., D.S.O., O.B.E.
Rector: FRANK MUIR.
Principal and Vice-Chancellor: J. STEVEN WATSON, M.A., D.LITT., D.H.L., D.H., F.R.HIST.S., F.R.S.E.
Vice-Principal: Prof. F. D. GUNSTONE, PH.D., D.SC., F.R.S.E., F.R.I.C.
Secretary and Registrar: D. M. DEVINE, M.A., LL.B.
Quaestor and Factor: C. P. GORDON, C.A.
Librarian: A. G. MACKENZIE, M.A., A.L.A.

Library: *see* Libraries.

Number of teachers: 332, including 48 professors.

Number of students: 3,415.

DEANS:

Faculty of Arts: Prof. N. GASH, M.A., B.LITT., F.R.HIST.S., F.B.A., F.R.S.L., F.R.S.E.
Faculty of Science: Prof. J. M. HOWIE, M.A., D.PHIL., D.SC., F.R.S.E.
Faculty of Divinity: Prof. J. K. CAMERON, M.A., B.D., PH.D., F.R.HIST.S.

PROFESSORS:

Faculty of Arts:

ADAM, R. J., M.A., Social History
BARROW, G. W. S., M.A., D.LITT., F.B.A., F.R.S.E., Scottish History
BAYLEY, P. C., M.A., English Literature
BRUMFITT, J. H., M.A., D.PHIL., French
BULLOUGH, D. A., M.A., F.S.A., F.R.HIST.S., Medieval History
CHRISTIAN, R. F., M.A., Russian
GASH, N., M.A., B.LITT., F.R.HIST.S., F.B.A., F.R.S.E., F.R.S.L., History
JEEVES, M. A., M.A., PH.D., Psychology
KIDD, I. G., M.A., Greek
KIMBELL, D. R. B., M.A., D.PHIL., L.R.A.M., Music
LEVI, A. H. T., M.A., D.PHIL., French Language and Literature
MAYO, B., M.A., Moral Philosophy
MULDER, J. W. F., M.A., D.PHIL., Linguistics
NISBET, H. B., PH.D., German Language and Literature
OGILVIE, R. M., M.A., D.LITT., F.B.A., F.S.A., F.S.A.SCOT., Latin
OWEN, D. D. R., M.A., PH.D., French
PROUDFOOT, V. B., PH.D., F.S.A., Geography
ROBSON, P., M.SC., M.A., Economics
STEER, J. R., M.A., Fine Arts
TAYLOR, S. S. B., PH.D., French
WATT, D. E. R., D.PHIL., Scottish Church History
WOODWARD, L. J., M.A., Spanish
WRIGHT, C. J. G., M.A., PH.D., B.PHIL., Logic and Metaphysics

Faculty of Science:

Blyth, T. S., D. ès Sc., D.Sc., F.R.S.E., F.I.M.A., Pure Mathematics
Callan, H. G., M.A., D.Sc., F.R.S., F.R.S.E., Natural History
Cole, A. J., M.Sc., Ph.D., F.B.C.S., Computing Science
Cormack, R. M., M.A., Ph.D., F.R.S.E., Statistics
Crawford, R. M. M., D.Sc., F.R.S.E., Plant Ecology
Curle, S. N., M.Sc., Ph.D., F.R.S.E., Applied Mathematics
Dingle, R. B., Ph.D., F.R.S.E., Theoretical Physics
Gunstone, F. D., Ph.D., D.Sc., F.R.S.E., F.R.I.C., Chemistry
Howie, J. M., D.Phil., D.Sc., F.R.S.E., Pure Mathematics
Lamb, J. F., M.B., Ch.B., Ph.D., Physiology
Laverack, M. S., Ph.D., F.I.Biol., F.R.S.E., Marine Biology
Reid, D. H., Ph.D., D.Sc., Chemistry
Smith, J. W., M.D., Ch.B., Regional Anatomy
Spence, D. H. N., Ph.D., F.R.S.E., Botany
Stibbs, D. W. N., M.Sc., D.Phil., F.R.A.S., F.R.S.E., Astronomy
Stradling, R. A., M.A., D.Phil., Natural Philosophy
Tedder, Lord, M.A., Sc.D., Ph.D., D.Sc., F.R.S.E., F.R.I.C., Chemistry
Thomas, D. B., D.Sc., M.B., B.S., F.I.Biol., F.R.C.Path., F.R.S.E., Anatomy
Tristram, G. R., Ph.D., F.I.Biol., F.R.S.E., Biochemistry
Walton, E. K., Ph.D., F.R.S.E., Geology
Wyatt P. A. H., Ph.D., F.R.S.E., F.R.I.C., Chemistry

Faculty of Divinity:

Cameron, J. K., M.A., B.D., Ph.D., F.R.Hist.S., Ecclesiastical History
McKane, Rev. W., M.A., Ph.D., Hebrew and Oriental Languages
Whyte, J. A., M.A., Practical Theology and Christian Ethics
Wilson, R. M., M.A., B.D., Ph.D., F.B.A., Biblical Criticism

UNIVERSITY OF SALFORD

SALFORD, M5 4WT, LANCS.

Telephone: 061-736-5843.

Founded 1896 as the Royal Technical Institute, later Royal College of Advanced Technology, University Charter granted April 1967.

Academic year: September to July.

Chancellor: H.R.H. The Prince Philip, Duke of Edinburgh, K.G., P.C., K.T., O.M., G.M.B.E., F.R.S.

Pro-Chancellors: D. W. Hill, C.B.E., Ph.D., C.Chem., F.R.I.C., F.T.I., Rt. Rev. E. R. Wickham, B.D.

Vice-Chancellor: Prof. J. Horlock, M.A., Ph.D., Sc.D., F.R.S., C.Eng., F.I.Mech.E., F.R.Ae.S.

Pro-Vice-Chancellors: Prof. L. F. Baric, Ph.D., F.R.A.I., M.A.S.A., M.B.S.A., Prof. T. Constantine, Ph.D., C.Eng., F.I.C.E., F.I.Mun.E., F. L. Thomas, F.R.S.H., F.E.H.A.

Registrar: S. R. Bosworth, B.A.

Librarian: A. C. Bubb, B.A., F.L.A.

Number of teachers: 555.
Number of students: 4,500.

Professors:

Ashworth, G. W., B.Arch., M.C.D., R.I.B.A., P.P.R.T.P.I., Urban Environmental Studies
Baric, Lorraine F., Ph.D., F.R.A.I., M.A.S.A., M.B.S.A., Sociology
Birss, R. R., Ph.D., D.Sc., D.I.C., C.Eng., M.I.E.E., F.Inst.P., Physics
Bryan, E. R., M.Sc.(Eng.), Ph.D., C.Eng., D.Sc., F.I.C.E., F.I.Struct.E., Structural Engineering
Burgess, R. A., B.Arch., R.I.B.A., F.I.O.B., F.I.W.S.P., M.B.I.M., Construction
Calderwood, J. H., M.Eng., Ph.D., C.Eng., F.I.EE., F.Inst.P., Electrical Engineering.
Carter, G., Ph.D., F.Inst.P., Physical Electronics
Chisholm, A. W. J., C.Eng., F.I.Mech.E., F.I.Prod.E., Mechanical Engineering
Constantine, T., Ph.D., C.Eng., F.I.Mun.E. F.I.C.E., Civil Engineering
Copas, J. B., Ph.D., D.I.C., A.R.C.S., F.S.S., Statistics
Cundall, R. B., Ph.D., C.Chem., F.R.I.C., Chemistry
Easson, A., D.Phil., Modern Languages
Gamlen, G. A., M.Sc., Ph.D., C.Chem., M.R.I.C., Chemistry
Goddard, L. S., Ph.D., Mathematics
Halling, J., M.Eng., Ph.D., D.I.C., A.C.G.I., C.Eng., F.I.Prod.E., F.I.Mech.E., Engineering Tribology
Harris, M. B., M.A., Ph.D., Modern Languages
Holland, F. A., M.Sc., Ph.D., D.I.C., C.Eng., F.I.Chem.E., Chemical Engineering
Livesey, J. L., Ph.D., D.I.C., C.Eng., M.I.Mech.E., M.A.I.A.A., Fluid Mechanics
Lord, P., M.Sc.Tech., Ph.D., C.Eng., F.Inst.P., M.I.E.E., Acoustics
McKinlay, H., M.A., B.Litt., Management
Millward, R., Ph.D., Economics
Molyneux, D. H., M.A., Ph.D., Biology
Orville-Thomas, W. J., Ph.D., D.Sc., C.Chem., F.R.I.C., Physical Chemistry
Porter, B., M.A., Ph.D., D.Sc., C.Eng., M.I.Mech.E., M.Inst.M.C., S.M.I.E.E.E., Engineering Dynamics and Control
Robertson-Mellor, G. R., M.A., Modern Languages
Sack, R. A., Ph.D., F.I.M.A., F.Inst.P., Mathematics
Sumner, M. T., B.A.(Econ.), Economics
Suschitzky, H., Ph.D., D.Sc., C.Chem., F.R.I.C., Organic Chemistry
Sutcliffe, H., M.A., Ph.D., C.Eng., F.I.E.E., F.I.E.R.E., Electronic Engineering
Tebble, R. S., Ph.D., D.Sc., F.Inst.P., Physics
Ulbrecht, J., C.Sc., C.Eng., M.I.Chem.E., Chemical Engineering
Villiers, T. A., Ph.D., F.L.S., Biology
Walkden, F., Ph.D., F.I.M.A., Mathematics
White, H. P., M.A., M.C.I.T., Geography
Wilson, E. M., M.Sc., Ph.D., C.Eng., F.I.C.E., M.A.S.C.E., Hydraulic Engineering

Readers:

Bannister, A., M.C., M.Sc., C.Eng., F.I.C.E., Civil Engineering
Bark, L. S., D.Sc., C.Chem., F.R.I.C., Chemistry
Bryan, M. E., Ph.D., Electrical Engineering
Clark, J., Ph.D., D.Sc., C.Chem., F.R.I.C., Chemistry
Crossley, T. R., Ph.D., C.Eng., M.R.Ae.S., Mechanical Engineering
Davies, J. M., Ph.D., C.Eng., M.I.C.E., M.I.Struct.E., Civil Engineering
Dollimore, D., J.P., Ph.D., D.Sc., C.Chem., F.R.I.C., Chemistry
Ford, R. D., Ph.D., F.I.O.A., Applied Acoustics
Heathcote, J. G., Ph.D., D.Sc., C.Chem., F.R.I.C., Chemistry
Henshall, T., M.A., D.Phil., F.R.I.C., Chemistry
Hughes, R., Ph.D., D.Sc., C.Eng., F.I.Chem.E., A.R.I.C., Chemical Engineering
Meth-Cohn, O., Ph.D., D.Sc., A.R.T.C.S., C.Chem., M.R.I.C., Chemistry
Modinos, A., Ph.D., M.Inst.P., Electrical Engineering
Raymond, S., M.Sc.Tech., Ph.D., Dip.T.P., C.Eng., F.I.C.E., M.R.T.P.I., M.I.H.E., Civil Engineering
Scheinmann, F., Ph.D., D.Sc., M.A., A.R.T.C.S., F.Phytochem. Soc., F.C.S. Chemistry
Taylor, P. L., M.A., C.Eng., F.I.E.E., F.I.M.A., Electrical Engineering
Tempest, W., Ph.D., Electrical Engineering
Thomason, P. F., Ph.D., M.I.M., A.R.T.C.S., Mechanical Engineering
Topham, N., B.Sc.(Econ.), Economics
Wragg, A., M.A., Ph.D., F.I.M.A., Mathematics
Wyn-Jones, E., Ph.D., D.Sc., D.Phil., Chemistry
Yates, B., Ph.D., F.Inst.P., Physics
Zdravkovich, M. M., M.Sc., Ph.D., Mechanical Engineering

Attached Institutes:

Centre for Underwater Science and Technology: Dir. R. S. Tebble, Ph.D., D.Sc., F.Inst.P.

Industrial Centre for Design and Manufacturing Engineering: Gen. Man. B. D. Richardson, M.Sc., C.Eng., M.I.Mech.E., M.I.Prod.E.

Institute of Environmental Sciences: Dir. G. W. Ashworth, B.Arch., M.C.D., R.I.B.A., P.P.R.T.P.I.

Institute of Tribological Studies: Dir. J. Halling, M.Eng., Ph.D., D.I.C., A.C.G.I., C.Eng., F.I.Mech.E., F.I.Prod.E.

Postgraduate Institute of Applied Acoustics: Dir. P. Lord, M.Sc.Tech., Ph.D., C.Eng., F.Inst.P., M.I.E.E.

Salford Orthopaedic Appliance Unit: Medical Dir. J. C. Griffiths, M.B., Ch.B., F.R.C.S., Ch.M.

UNIVERSITY OF SHEFFIELD

SHEFFIELD, S10 2TN

Telephone: 78555.

Founded 1905.

Chancellor: Rt. Hon. Lord Butler of Saffron Walden, K.G., P.C., C.H., M.A., LL.D.

Pro-Chancellors: S. M. de Bartolomé, H. P. Forder.

Vice-Chancellor: Prof. G. D. Sims, O.B.E., D.I.C., M.Sc., Ph.D., M.I.E.E.

Pro-Vice-Chancellors: Prof. J. M. Ritchie, M.A., Dr.Phil., Prof. W. Bartley, Ph.D., M.A., Prof. G. C. Layton, M.A.

Registrar and Secretary: F. J. Orton, B.Sc., B.Litt.

Librarian: C. K. Balmforth, M.A., F.L.A.

Library: *see* Libraries.

Number of full-time teaching staff: 930.

Number of students: *c.* 7,431.

Publications: *Calendar*†, *Annual Report, Gazette, Faculty and General brochures* (annually), *Newsletter.*

DEANS:

Faculty of Arts: Prof. P. H. Nidditch, m.a., ph.d.

Faculty of Pure Science: Prof. S. C. Hunter, ph.d.

Faculty of Medicine: Prof. W. A. J. Crane, m.d., f.r.c.p., f.r.c.path.

Faculty of Law: Prof. J. D. McClean, m.a.

Faculty of Engineering: Prof. F. A. Benson, d.eng., ph.d., c.eng., f.i.e.e., f.i.e.e.e., f.illum.e.s.

Faculty of Materials: Prof. J. P. Roberts, m.a., ph.d., c.eng., m.inst.p., f.i.ceram., f.i.m.

Faculty of Social Sciences: Prof. S. Gregory, m.a., ph.d.

Faculty of Architectural Studies: Prof. D. Gosling, m.arch., m.c.p., a.r.i.b.a., a.r.i.a.s., m.r.t.p.i.

Faculty of Educational Studies: Prof. J. P. C. Roach, m.a., ph.d.

Division of Continuing Education: Prof. G. M. Roderick, ph.d., m.a.

Postgraduate School of Librarianship and Information Science: **Prof. W. L.** Saunders, m.a., f.l.a., f.inst.inf.sci. (*Director*).

PROFESSORS:

Faculty of Arts:

Atkinson, Rev. Canon J., m.a., m.litt., dr.theol., Biblical Studies

Blake, N. F., m.a., b.litt., English Language

Branigan, K., ph.d., f.s.a., Prehistory and Archaeology

Crossland, R. A., m.a., Greek

Garden, E. J. C., d.mus., f.r.c.o., a.r.a.m., a.r.c.m., Music

Graham, G. K., m.a., d.phil., English Literature

Haley, K. H. D., m.a., Modern History

Luscombe, D. E., m.a., ph.d., Medieval History

Morris, B. R., m.a., d.phil., English Literature

Mosley, D. J., m.a., ph.d., Ancient History and Classical Archaeology

Nidditch, P. H., m.a., ph.d., Philosophy

Pierce, F. W., m.a., Hispanic Studies

Ritchie, J. M., m.a., dr.phil., Germanic Studies

Williams, D., ph.d., French

Faculty of Pure Science:

Allen, D. N. de G., m.a., Applied Mathematics and Computing Science

Atherton, N. M., ph.d., m.inst.p., Physical Chemistry

Bacon, G. E., m.a., sc.d., ph.d., f.inst.p., Physics

Ball, J. N., ph.d., Zoology

Barnett, V., m.sc., ph.d., Probability and Statistics

Chester Jones, I., d.sc., ph.d., f.i.biol., Zoology

Collins, W. D., ph.d., d.sc., Applied Mathematics

Connolly, K. J., ph.d., f.b.ps.s., Psychology

Crangle, J., ph.d., f.inst.p., Physics

Dawson, J. B., ph.d., d.sc., f.r.s.e., Geology

Downie, C., d.sc., ph.d., f.g.s., Geology

Ebling, F. J. G., d.sc., ph.d., f.i.biol., Zoology

Frisby, J. P., ph.d., Psychology

Galbraith, W., ph.d., f.inst.p., Physics

Gregory, S., m.a., ph.d., Geography

Hunter, S. C., ph.d., Applied Mathematics and Computing Science

Johnson, R. J., m.a., ph.d., Geography

Kaiser, T. R., m.sc., d.sc., d.phil., f.inst.p., f.r.a.s., Physics

Loynes, R. M., dip.stat., ph.d., Probability and Statistics

Maitlis, P. M., d.sc., ph.d., Inorganic Chemistry

McWeeny, R., b.sc., d.phil., f.r.i.c., f.inst.p., Theoretical Chemistry

Mirsky, L., m.sc., ph.d., Pure Mathematics

Northcott, D. G., m.a., ph.d., f.r.s., Pure Mathematics

Ollis, W. D., ph.d., f.r.i.c., f.r.s., Organic Chemistry

Pym, J. S., ph.d., Pure Mathematics

Quayle, J. R., m.a., ph.d., f.r.s., Microbiology

Roper, J. A., ph.d., f.r.s.e., Genetics

Ullmann, J. R., m.a., ph.d., Applied Mathematics and Computing Science

Walker, A. M., m.a., Probability and Statistics

Walker, D. A., d.sc., ph.d., f.i.biol., Biology

Waters, R. S., m.a., Geography

Willis, A. J., d.sc., ph.d., f.i.biol., Botany

Faculty of Medicine:

Banks, P., m.a., d.phil., Biochemistry

Barer, R., m.c., m.a., m.b., b.s., hon. f.r.m.s., Human Anatomy and Biology

Bartley, W., m.a., ph.d., Biochemistry

Black, M. M., m.sc., ph.d., f.inst.p., c.eng., m.r.ae.s., Medical Physics

Bramley, P. A., m.d., ch.b., m.r.c.s., l.r.c.p., b.d.s., f.d.s.r.c.s., Dental Surgery

Burke, P. H., m.s.d., f.d.s.r.c.s., d.d.or.f.p.s., Dental Health

Clark, R. G., m.b., ch.b., f.r.c.s., Surgery

Cooke, I. D., m.b., b.s., d.g.o., f.r.c.o.g., Obstetrics and Gynaecology

Crane, W. A. J., m.d., f.r.c.p., f.r.c.path., Pathology

Duckworth, T., m.b., ch.b., f.r.c.s., Orthopaedics

Duthie, H. L., m.d., ch.m., f.r.c.s., Surgery

Hampson, E. L., m.d.s., f.d.s.r.c.s., Operative Dental Surgery

Harrison, P. M., m.a., d.phil., Biochemistry

Henry, L., m.d., m.r.c.p., f.r.c.path., Pathology

Hudson, G., m.sc., m.b., ch.b., d.sc., m.d., f.r.c.path., Haematology

Jenner, F. A., m.b., ch.b., ph.d., m.r.c.p., d.p.m., f.r.c.psych., Psychiatry

Knowelden, J., m.d., f.r.c.p., f.f.c.m., d.p.h., j.p., Community Medicine

McEntegart, M. G., m.d., f.r.c.path., Medical Microbiology

Milner, R. D. G., m.d., m.a., ph.d., f.r.c.p., Paediatrics, Child Health

Munro, D. S., m.d., f.r.c.p., Clinical Endocrinology

Potter, C. W., ph.d., m.r.c.path., Virology

Richmond, J., m.d., f.r.c.p., Medicine

Russell, R. G. G., m.a., d.m., ph.d., m.r.c.p., m.r.c.path., Chemical Pathology

Scratchard, T., m.b., m.d., f.r.c.p., Physiology

Smith, C. J., b.d.s., ph.d., d.s.r.c.s., m.r.c.path., Oral Pathology

Thornton, J. A., m.d., d.a., m.b.b.s., f.f.a.r.c.s., Anaesthetics

Wilkes, E., o.b.e., m.a., m.b., b.chir., f.r.c.p., f.r.c.g.p., m.r.c.psych., Community Care and General Practice

Woods, H. F., b.m., b.ch., d.phil., m.r.c.p., Clinical Pharmacology and Therapeutics

Faculty of Law:

Battersby, G., b.a., j.p., Law

Bottoms, A. E., m.a., dip.crim., ph.d., Criminological Studies

McClean, J. D., b.c.l., m.a., Law

Wood, J. C., c.b.e., ll.m., Law

Faculty of Engineering:

Barnard, J. A., Chemical Engineering and Fuel Technology

Benson, F. A., m.eng., d.eng., ph.d., c.eng., f.i.e.e., f.i.e.e.e., f.illum.e.s., Electronic and Electrical Engineering

Bond, D., ph.d., f.i.c.e., f.i.struct.e., Civil and Structural Engineering

Dugdale, D. E., d.sc., ph.d., Mechanical Engineering

Hanna, T. H., ph.d., c.eng., f.i.c.e., Civil Engineering

Miller, K. J., Mechanical Engineering

Nicholson, H., d.eng., m.a., c.eng., f.i.e.e., m.i.mech.e., Control Engineering

Robson, P. N., ph.d., f.i.e.e., sen.mem.i.e.e.e., Electronic and Electrical Engineering

Royle, J. K., m.sc.tech., ph.d., c.eng., f.i.mech.e., f.r.ae.s., Mechanical Engineering

Swithenbank, J., ph.d., Chemical Engineering and Fuel Technology

Faculty of Materials:

Argent, B. B., ph.d., f.i.m., Metallurgy

Bilby, B. A., ph.d., Theory of Materials

Davies, G. J., m.a., ph.d., c.eng., f.i.m., m.i.mech.e., Metallurgy

Eshelby, J. D., ph.d., f.r.s., Theory of Materials

Greenwood, G. W., d.met., ph.d., f.inst.p., f.i.m., Metallurgy

Rawson, H., m.sc.tech., d.sc.tech., f.i.m.a., f.i.m., Ceramics

Roberts, J. P., m.a., ph.d., m.inst.p., f.i.ceram., f.i.m., Ceramics

Faculty of Social Sciences:

Bownas, G., m.a., Japanese Studies

Clayton, G., m.a., Applied Economics

Ford, J. L., m.a., Economics

Lowe, E. A., b.sc.(econ.), f.c.a., a.c.i.s., Accounting and Finance

Nicholson, R. J., m.a., Econometrics

Norman, J. M., m.sc., ph.d., Management Studies

Pollard, S., ph.d., Economic History

Sainsbury, E. E., m.a., Social Administration

Warrender, J. H., m.a., Political Theory and Institutions

Westergaard, J. H., b.sc.(econ)., Sociological Studies

Faculty of Architectural Studies:

Gosling, D., dip.t.p., m.arch., m.c.p. a.r.i.b.a., a.r.i.a.s., m.r.t.p.i., Architecture

Masser, F. I., ph.d., m.c.d., m.r.t.p.i., Town and Regional Planning

Murta, K. H., b.arch., dip.arch., f.r.i.b.a., Architecture

Page, J. K., b.a., f.c.i.b.s., Building Science

Weddle, A. E., B.ARCH., DIP.T.P., Landscape Architecture

Faculty of Educational Studies:

Armytage, W. H. G., M.A., Education

Bolton, N., PH.D., Education

Lynch, M. F., PH.D., A.R.I.C., Postgraduate School of Librarianship and Information Science

Roach, J. P. C., M.A., PH.D., Education

Roderick, G. W., PH.D., M.A., Continuing Education

Saunders, W. L., M.A., F.L.A., Postgraduate School of Librarianship and Information Science

UNIVERSITY OF SOUTHAMPTON

HIGHFIELD,
SOUTHAMPTON, SO9 5NH
Telephone: 0703-559122.

Founded 1952; opened as the Hartley Institution 1862; incorporated as the Hartley University College 1902.

Chancellor: Lord Roll of Ipsden, K.C.M.G., C.B., B.COM., PH.D., D.SC., D.SOC.SC., LL.D.

Vice-Chancellor: Prof. L. C. B. Gower, LL.M., F.B.A.

Deputy Vice-Chancellors: Prof. G. J. Hills, PH.D., D.SC., F.R.I.C., Prof. J. H. Bird, PH.D., F.C.I.T.

Secretary and Registrar: D. A. Schofield, M.A.

Academic Registrar: Miss A. E. Clarke, B.A.

Librarian: B. Naylor, M.A., DIP.LIB., A.L.A.

Library: *see* Libraries.

Number of full-time teaching staff: 700 including 101 professors.

Number of students: 5,872.

Publications: *Calendar*†, *Undergraduate Prospectus, Postgraduate Prospectus, Faculty Handbooks, Departmental Reports and Research Reports, Annual Report, Research Report and Publications, Southern Science and Technology Forum Journal, Inaugural, Foundation and Memorial Lectures.*

Deans:

Faculty of Arts: The Rev. Prof. C. Morris, M.A., F.R.HIST.S.

Faculty of Science: Prof. G. A. Kerkut, M.A., PH.D., SC.D., F.I.BIOL.

Faculty of Engineering and Applied Science: Prof. B. L. Clarkson, PH.D., C.ENG., F.R.AC.S., F.S.E.E., F.I.O.A.

Faculty of Social Sciences: Prof. A. Gale, F.B.PS.S.

Faculty of Educational Studies: P. E. Fordham, B.A.

Faculty of Law: Prof. D. C. Jackson, M.A.

Faculty of Medicine: Prof. J. B. L. Howell, PH.D., F.R.C.P.

Faculty of Mathematical Studies: Prof. S. A. Robertson, PH.D.

Professors:

Faculty of Arts:

Armstrong, Miss I. M., PH.D., English

Evans, P. A., M.A., D.MUS., F.R.C.O., Music

Ince, W. N., M.A., D. DE L'U., French

Manser, A. R., M.A., B.PHIL., Philosophy

Michael, I. D. L., B.A., PH.D., Spanish

Morris, Rev. C., M.A., F.R.HIST.S., Medieval History

Papst, E. E., M.A., German

Rankin, H. D., M.A., Classics

Root, Rev. H. E., M.A., Theology

Smith, A. J., M.A., English

Smith, P., M.A., D.PHIL., F.R.HIST.S., Modern History

Faculty of Science:

Baker, R., PH.D., Chemistry

Barnes, K. J., PH.D., Theoretical Physics

Beattie, I. R., M.A., PH.D., D.SC., Chemistry

Bird, J. H., PH.D., F.C.I.T., Geography

Carrington, A., M.A., PH.D., F.R.S., Chemistry

Charnock, H., M.SC., D.I.C., F.R.S., Physical Oceanography

Cookson, R. C., M.A., PH.D., C.CHEM., F.R.I.C., F.R.S., Chemistry

Crowdy, S. H., PH.D., A.R.C.S., F.I.BIOL., Botany

Fleischmann, M., PH.D., A.R.C.S., C.CHEM., F.R.I.C., Chemistry, Electro-Chemistry

Gregory, K. J., PH.D., Geography

Hills, G. J., D.SC., PH.D., C.CHEM., F.R.I.C., Chemistry

Hodson, F., PH.D., F.G.S., Geology

Hutchinson, G. W., M.A., PH.D., F.R.S.A., F.R.A.S., Physics

Jonathan, N. B. H., PH.D., Chemistry

Kerkut, G. A., M.A., PH.D., SC.D., F.I.BIOL., Physiology and Biochemistry

Lee, E. W., PH.D., F.I.E.E., F.INST.P., Physics

Luckhurst, G. R., PH.D., Chemistry

Raymont, J. E. G., O.B.E., A.M., D.SC., Oceanography

Renfrew, A. C., M.A., PH.D., SC.D., F.S.A., Archaeology

Sleigh, M. A., PH.D., D.SC., F.I.BIOL., Biology

Faculty of Engineering and Applied Science:

Betts, J. A., PH.D., C.ENG., M.I.E.E., Communications

Bray, K. N. C., M.S.E., PH.D., C.ENG., M.A.I.A.A., M.R.AE.S., Gas Dynamics

Bright, A. W., PH.D., C.ENG., M.I.E.E., F.INST.P., Applied Electrostatics

Chadwick, G. A., M.A., PH.D., F.I.M., Engineering Materials

Cheeseman, I. C., PH.D., A.R.C.S., C.ENG., F.R.AE.S., F.C.I.T., Helicopter Engineering

Clarkson, B. L., PH.D., C.ENG., F.R.AE.S., F.S.E.E., F.I.O.A., Vibration Studies

Davies, P. O. A. L., PH.D., C.ENG.AUST., C.ENG., F.I.MECH.E., Experimental Fluid Dynamics

Doak, P. E., M.S., F.I.O.A., Acoustics

Gambling, W. A., D.SC., PH.D., C.ENG., F.I.E.R.E., F.I.E.E., Electronics

Goodrich, G. J., B.SC., C.ENG., F.R.I.N.A., Ship Science

Hammond, P., M.A., C.ENG., F.I.E.E., M.I.MECH.E., Electrical Power Engineering

Hutton, S. P., D.ENG., PH.D., C.ENG., F.I.MECH.E., M.I.C.E., M.R.AE.S., Mechanical Engineering

Large, J. B., M.S., F.I.O.A., Applied Acoustics

Lilley, G. M., D.I.C., M.SC.(ENG.), C.ENG., F.R.AE.S., M.I.MECH.E., F.I.M.A., M.I.A.A., Aeronautics and Astronautics

Morice, P. B., D.SC., PH.D., F.I.C.E., F.I.STRUCT.E., Civil Engineering

Nichols, K. G., M.SC., M.INST.P., C.ENG., F.I.E.R.E., Electronics

Nightingale, J. M., PH.D., WH.F., WH.SC., M.I.E.E., Control Engineering

Parkin, P. H., B.SC., F.I.O.A., Research Prof.

Priede, T., D.SC.(ENG.), PH.D., INZ.MECH., C.ENG., F.I.MECH.E., M.S.A.E., Automobile Engineering

Richards, E. J., O.B.E., M.A., D.SC., C.ENG., F.R.AE.S., F.I.MECH.E., F.I.O.A., Research Professor

Smith, R. C., PH.D., F.INST.P., Physical Electronics

Williams, T. E. H., M.SC., PH.D., C.ENG., F.I.C.E., F.INST.H.E., M.I.STRUCT.E., M.C.I.T., F.R.S.A., Civil Engineering

Faculty of Social Sciences:

Gale, A., F.B.PS.S., Psychology

Hilton, K., PH.D., A.C.I.S., Financial Control

Martin, J. P., M.A., PH.D., Sociology and Social Administration

Mizon, G. E., M.SC.ECON., M.A., PH.D., Econometrics

Pearce, I. F., PH.D., Economic Theory

Richards, P. G., PH.D., British Government

Rowan, D. C., D.SC.(SOC.SCI.), Economics

Smith, J. H., B.A., Sociology

Trasler, G. B., M.A., PH.D., F.B.PS.S., Psychology

Faculty of Educational Studies:

Pedley, R., M.A., PH.D., Education

Faculty of Law:

Dworkin, G., LL.B., Law

Jackson, D. C., B.C.L., M.A., Law

Wilson, J. F., M.A., Law

Faculty of Medicine:

Acheson, E. D., M.A., D.M., F.R.C.P., F.F.C.M., Clinical Epidemiology

Akhtar, M., M.SC., PH.D., D.I.C., Biochemistry

Bulmer, D., M.A., M.D., D.SC., Human Morphology

Clayton, Miss B. E., PH.D., M.D., F.R.C.P., F.R.C.PATH., Chemical Pathology and Human Metabolism

Dennis, K. J., M.B., CH.B., F.R.C.S.EDIN., F.R.C.O.G., Human Reproduction and Obstetrics

Forbes, J. A., M.A., M.D., F.R.C.G.P., Primary Medical Care

Fraser, Sir James, Bt., B.A., CH.M., F.R.C.S.(E.), F.R.C.S., Surgery

George, C. F., B.SC., M.D., M.R.C.P., Clinical Pharmacology

Glanville, H. J., F.R.C.P., D.PHYS., MED.ENG., Rehabilitation

Gibbons, J. L., M.D., F.R.C.P., F.R.C.PSYCH., D.P.M., Psychiatry

Hall, M. R. P., M.A., B.M., B.CH., F.R.C.P., F.R.C.P.(E.), Geriatric Medicine

Howell, J. B. L., M.B., B.S., PH.D., F.R.C.P., Medicine

Kerkut, G. A., M.A., PH.D., SC.D., F.I.BIOL., Neurophysiology

Lee, H. A., B.SC., M.B., B.S., F.R.C.P., Metabolic Medicine

Mayor, D., B.SC., M.B., CH.B., F.R.C.S.(E.), Human Morphology

Munday, K. A., PH.D., F.I.BIOL., Physiology and Pharmacology

Norman, J., M.B., CH.B., PH.D., F.F.A.R.C.S., Anaesthetics

Normand, I. C. S., M.A., D.M., F.R.C.P., Child Health

Polak, A., M.D., F.R.C.P., Renal Medicine

Shearer, J. R., M.B., CH.B., PH.D., F.R.C.S., Orthopaedic Surgery

Shelley, T., M.SC., PH.D., Medical Physics

Stevenson, G. T., M.D., D.PHIL., Immuno-chemistry
Taylor, T. G., M.A., PH.D., F.I.BIOL., Nutrition
Waters, W. E., M.B., B.S., F.F.C.M., D.I.H., Community Medicine
Watt, P. J., M.D., M.R.C.P., Microbiology
Whitehouse, J. M. A., M.A., M.D., M.R.C.P., Medical Oncology
Wright, D. H., B.SC., M.D., F.R.C.PATH., Pathology
Wright, R., M.A., M.D., D.PHIL., F.R.C.P., Medicine

Faculty of Mathematical Studies:
Barron, D. W., M.A., PH.D., F.B.C.S., Computer Studies
Craggs, J. W., PH.D., F.I.M.A., Engineering Mathematics
Griffiths, H. B., M.SC., PH.D., F.I.M.A., Pure Mathematics
Landsberg, P. T., PH.D., D.SC., F.R.S.E., F.INST.P., F.I.M.A., Applied Mathematics
Robertson, S. A., PH.D., Pure Mathematics
Smith, T. M. F., B.SC.(ECON.), Statistics

Readers:

Faculty of Arts:
Brown, D. C., M.A., B.MUS., PH.D., L.T.C.L., Music
Hanna, A. J., PH.D., History
Mather, F. C., M.A., F.R.HIST.S., History
Pugh, T. B., M.A., History
Sambrook, A. J., M.A., PH.D., English
Small, R. J., M.A., PH.D., Geography
Sparkes, PH.D., Classics

Faculty of Science:
Bell, L. G. E., PH.D., C.CHEM., M.R.I.C., F.I.BIOL., Biology
Hopkins, B. J., PH.D., F.INST.P., Physics
Jerrard, H. G., PH.D., F.INST.P., Physics
Lambert, Miss J. M., M.A., PH.D., M.I.BIOL., Biology
Lockwood, A. P. M., M.A., PH.D., F.I.BIOL., Oceanography
Maclean, N., PH.D., M.I.BIOL., S.D.A., Biology
Manners, J. G., M.A., PH.D., M.I.BIOL., Biology
Phillips, D., PH.D., C.CHEM., F.R.I.C., Chemistry
Scurlock, R. G., M.A., D.PHIL., F.INST.P., Physics
Small, R. J., M.A., PH.D., Geography
Wallace, D. J., PH.D., Physics

Faculty of Engineering and Applied Science:
Allen, H. G., PH.D., C.ENG., F.I.STRUCT.-ENG., M.I.C.E., Civil Engineering
Binns, K. J., B.SC., C.ENG., M.I.E.E., A.F.I.M.A., Electrical Engineering
Butterfield, R., D.SC., D.I.C., C.ENG., M.I.C.E., M.I.STRUCT.E., Soil Mechanics
Carre, B. A., M.A., PH.D., C.ENG., M.I.E.E., F.B.C.S., Electronics
Farrar, R. A., PH.D., C.ENG., D.I.C., M.I.M., A.R.S.M., Mechanical Engineering
Mead, D. J., D.C.AE., PH.D., C.ENG., F.R.AE.S., Aeronautics and Astronautics
Wilmshurst, T. H., PH.D., Electronics
Willoughby, A. F. W., PH.D., C.ENG., A.R.S.M., D.I.C., M.I.M., Mechanical Engineering

Faculty of Social Sciences:
Calvert, P. A. R., M.A., PH.D., A.M., F.R.HIST.S., Politics
Hart, H., PH.D., F.C.A., Accounting
McKennell, A. C., M.A., PH.D., F.B.PS.S., Methodology of Attitude Surveys
Matthews, W. A., PH.D., Psychology

Faculty of Educational Studies:
Feuchtwanger, E. J., M.A., PH.D., F.R.HIST.S., Defence Studies

Faculty of Law:
Cronin, J. B., LL.B., Law
Ganz, Miss G., LL.M., Law
Samuels, H. A., B.A., Law

Faculty of Medicine:
Barker, D. J. P., PH.D., M.D., M.R.C.P., M.F.C.M., Clinical Epidemiology
Walker, R. J., PH.D., M.I.BIOL., Neurophysiology
Weller, R. O., M.D., PH.D., M.R.C.PATH., Neuropathology
Woodruff, G. N., PH.D., Physiology and Pharmacology

Faculty of Mathematical Studies:
Davies, H. J., PH.D., Mathematics
Kirby, D., PH.D., Mathematics

UNIVERSITY OF STIRLING

STIRLING, FK9 4LA
Telephone: Stirling 3171.
Founded 1967.

Academic year: September to May (two semesters).

hancellor: Sir Montague Finniston, F.R.S.

Principal: W. A. Cramond, O.B.E., M.D.

Secretary: R. G. Bomont, J.P., B.SC. (ECON.), I.P.F.A.

Deputy Secretary (Registrar): F. Smyth, LL.B.

Librarian: P. G. Peacock, B.A., A.L.A.

Number of teachers: 250.
Number of students: 2,750.

Publications: *Annual Prospectus, Annual Report, Calendar.*

Professors:

Allen, D. H., PH.D., C.ENG., F.I.CHEM.E., Management Science and Technology Studies
Bird, G. H., M.A., Philosophy
Brown, C. V., PH.D., Economics
Campbell, R. H., M.A., PH.D., History
Cowie, J. M. G., PH.D., Chemistry
Duncan, J., M.SC., PH.D., Mathematics
Dunn, T. A., M.A., PH.D., English Studies
Duthie, J. H., M.A., PH.D., Education
Holden, J. M., LL.B., PH.D., LL.D., Business Law
Jeffares, A. N., M.A., PH.D., D.PHIL., D. DE L'UNIV., F.R.S.A., F.R.S.L., English Studies
Jimack, P. D., PH.D., French
Kleinpoppen, H., DR.RER.NAT. ET HABIL., F.INST.P., Atomic Physics
Leech, J., M.A., Computing Science
Loasby, B. J., M.LITT., Economics
Lockerbie, S. I. J., M.A., PH.D., French
McEwen, P., PH.D., Psychology
Meidner, H., M.SC., PH.D., D.I.C., Biology
Moray, N. P., D.PHIL., Psychology
Morrison, A. T., M.ED., Education
Muntz, W. R. A., D.PHIL., Biology
Risk, J. M. S., PH.D., C.A., F.C.M.A., F.C.I.S., F.B.I.M., F.I.M.C., Accountancy
Timms, D. W. G., PH.D., Sociology
Trainer, J., M.A., PH.D., German
Turner, C., PH.D., Sociology
Waddell, D. A. G., M.A., D.PHIL., F.R.HIST.S., History
Wallace, D. A. R., PH.D., Mathematics

Readers:

Hay, R. W., PH.D., Chemistry
Marshall, E. A., M.A., PH.D., Business Law
Mayhead, R., M.A., English Studies
McIntyre, D. I., M.A., M.ED., Education
Roberts, R. J., PH.D., M.R.C.PATH., M.R.C.V.S., Aquatic Pathobiology

Attached Institute:

Unit of Aquatic Pathobiology: Dir. R. J. Roberts, PH.D., M.R.C.PATH., M.R.C.V.S.

UNIVERSITY OF STRATHCLYDE

GEORGE STREET, GLASGOW, G1 1XW.
Telephone: 041-552-4400.

Founded 1796 under the title of Anderson's Institution; affiliated to the University of Glasgow between 1913 and 1964; presented with University Charter 1964.

Academic year: October to June.

Chancellor: The Rt. Hon. Lord Todd of Trumpington, O.M., M.A., D.SC., D.PHIL., C.CHEM., F.R.I.C., P.R.S.

Principal and Vice-Chancellor: **Sir Samuel C. Curran, D.L., M.A., PH.D., D.SC., LL.D., SC.D., F.R.S.**

Vice-Principal: Prof. Alastair M. North, PH.D., D.SC., SC.D., C.CHEM., F.R.I.C., F.R.S.E.

Registrar: D. W. J. **Morrell, M.A., LL.B.**

Librarian: C. G. **Wood, M.A., F.L.A.**

Number of full-time teachers: 763.
Number of full-time students: 6,296.

Publications: ***Annual Report†, University Calendar, Report on Research†, Prospectus†, Postgraduate Booklets†,*** *Continuing Education Programme.*

Deans:

School of Mathematics, Physics and Computer Science: Prof. G. Eason, M.SC., PH.D., F.I.M.A., F.R.S.E.

School of Chemical and Materials Sciences: Prof. H. C. S. Wood, PH.D., C.CHEM., F.R.I.C., F.R.S.E.

School of Mechanical and Chemical Engineering and Naval Architecture: Prof. H. C. Simpson, S.M., SC.D., F.INST.P., F.I.MECH.E., F.R.S.E.

School of Civil and Mining Engineering and Applied Geology: Prof. D. G. McKinlay, PH.D., A.R.C.S.T., F.I.C.E., F.A.S.C.E., F.G.S.

School of Electrical and Electronic Engineering: Prof. A. M. Rosie, M.SC., PH.D., F.I.E.E.

School of Architecture, Building Science and Planning: J. G. T. Milligan, M.A.

School of Biological Sciences: John A. Blain, PH.D.

School of Pharmaceutical Sciences: Prof. A. T. Florence, PH.D., A.R.C.S.T., F.R.I.C.

School of Arts and Social Studies: Prof. J. Butt, PH.D.

School of Business and Administration: Prof. M. J. Baker, T.D., B.A., B.SC.(ECON.). D.B.A., F.INST.M.

Professors:

Alexander, Sir Kenneth, B.SC.(ECON.), LL.D., F.B.I.M., F.R.S.E., Economics
Allan, T., PH.D., F.I.MECH.E., Engineering Design and Drawing
Anderson, W., PH.D., F.P.S., Pharmaceutics
Bain, A. D., M.A., PH.D., Monetary and Financial Economics
Baker, M. J., B.A., B.SC.(ECON.), D.B.A., F.INST.M., Marketing
Barr, D. I. H., PH.D., D.R.T.C., F.I.C.E., Hydraulics
Beavis, J. R. S., B.A.(ECON.), F.C.A., F.H.C.I.M.A., Hotel Management
Bell, H. B., PH.D., A.R.C.S.T., F.I.M., Extraction Metallurgy
Beveridge, G. S. G., PH.D., F.I.CHEM.E., F.R.S.E., Chemical and Process Engineering
Bowey, Angela M., PH.D., Strathclyde Business School
Bowman, W. C., B.PHARM., PH.D., D.SC., F.P.S., F.I.BIOL., F.R.S.E., Pharmacology
Briston, R. J., B.SC.(ECON.), F.C.A., Accountancy and Finance
Burns, C. B., M.A., PH.D., Business Law
Butler, D. S., B.A., F.I.M.A., F.R.S.E., Numerical Analysis
Butt, J., PH.D., Economic History
Clark, J. G., B.A., D.U.P., French Studies
Clarke, I. F., M.A., English Studies
Clunies-Ross, A. I., M.A., Economics
Colin, A. J. T., M.A., F.B.C.S., F.I.E.E., Computer Science
Donaldson, W. A., M.A., Operational Research
Duff, P. McL. D., PH.D., F.I.M.M., F.G.S., F.R.S.E., Applied Geology
Eason, G., M.SC., PH.D., F.I.M.A., F.R.S.E., Mathematics for Applied Scientists
Eisner, E., PH.D., F.INST.P., F.ACOUST. SOC. AMER., F.R.S.A., F.R.S.E., Applied Physics
Fletcher, W. W., PH.D., F.L.S., F.I.BIOL., F.R.S.E., Biology
Florence, A. T., PH.D., A.R.C.S.T., C.CHEM., F.R.I.C., M.P.S., Pharmaceutics
Graham, N. B., PH.D., F.P.I., F.C.I.C., Chemical Technology
Gunn, L. A., M.A., Administration
Harvey, J. M., M.S., PH.D., A.R.C.S.T., F.I.MECH.E., Mechanics of Materials
Hawthorn, J., PH.D., A.R.C.S.T., C.CHEM., F.R.I.C., F.I.BIOL., F.I.F.S.T., F.R.S.E., Food Science and Nutrition
Howe, G. M., M.SC., PH.D., D.SC., F.R.G.S., F.R.MET.S., Geography
Hutchison, W. M., PH.D., D.SC., F.L.S., F.I.BIOL., F.R.S.E., Parasitology
Irving, J., M.A., PH.D., Natural Philosophy
Jahoda, G., M.SC., PH.D., Psychology
Jenkins, J. D., M.SC., F.I.MIN.E., DIP. MET.MIN., Mining Engineering
Kenedi, R. M., PH.D., A.R.C.S.T., F.I.MECH.E., M.R.AE.S., F.R.S.E., Bioengineering
Kennerley, J. A. M., M.SC., C.ENG., M.I.MECH.E., F.I.M.A., F.R.AE.S., Director of Strathclyde Business School
Kuo, C., PH.D., F.R.I.N.A., Shipbuilding and Naval Architecture
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Lowe, P. G., M.ENG.SC., M.A., PH.D., Structural Engineering
MacLaren, J. F. T., PH.D., A.R.C.S.T., C.ENG., F.I.MECH.E., F.INST.R., Thermodynamic and Mechanics of Fluids
McGilvray, J. W., M.A., M.LITT., Research Prof., Fraser of Allander Institute for Research on the Scottish Economy
McHutchison, W. B., B.SC., A.R.C.S.T., WH.SCH., M.I.E.E., F.I.MECH.E., Dynamics and Control
McInnes, E. O., M.A., PH.D., German Studies
McKinlay, D. G., PH.D., F.I.C.E., F.A.S.C.E., F.G.S., Mechanics of Soils
Markus, T. A., M.A., M.ARCH.(M.I.T.), R.I.B.A., Building Science
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Maver, T. W., PH.D., M.C.I.B.S., Architecture and Building Science
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Sherwood, J. N., PH.D., C.CHEM., F.R.I.C., F.R.S.E., Physical Chemistry
Simpson, D. R. F., M.A., PH.D., Dir., Fraser of Allander Institute for Research on the Scottish Economy
Simpson, H. C., S.M., SC.D., F.INST.P., F.I.MECH.E., F.R.S.E., Thermodynamics and Mechanics of Fluids
Smith, J. E., M.SC., PH.D., F.I.BIOL., F.R.S.E., Applied Microbiology
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Tedford, D. J., PH.D., F.I.E.E., F.INST.P., F.R.S.E., Electrical Engineering
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Tedford, D. J., PH.D., F.I.E.E., F.INST.P., Electrical Engineering
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Macleod, C. J., PH.D., C.ENG., M.I.E.E., Electronic Science and Telecommunications
Millington, P. F., M.SC., PH.D., F.R.M.S., Bioengineering
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Morrison, W. R., PH.D., A.R.C.S.T., Food Science and Nutrition
Ottaway, J. M., PH.D., D.SC., C.CHEM., F.R.I.C., Inorganic Chemistry
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Roach, G. F., M.SC., PH.D., F.R.A.S., F.I.M.A., F.R.S.E., Pure and Applied Mathematics
Rooney, D. H., PH.D., F.I.MECH.E., Thermodynamics and Mechanics of Fluids
Sharpe, J. W., M.A., F.INST.P., F.R.S.E., Natural Philosophy
Smith, A. L. M., M.A., Politics
Smith, K., PH.D., Geography
Spence, J., PH.D., C.ENG., M.I.MECH.E., Mechanics of Materials
Stuart, A. U., B.SC., C.ENG., M.I.MECH.E., M.I.PROD.E., M.I.E.M., Production Management and Manufacturing Technology
Swinbanks, D. B., B.SC., A.C.G.I., D.I.C., M.R.AE.S., C.ENG., M.I.MECH.E., Thermodynamics and Mechanics of Fluids
Tooth, A. S., M.SC., PH.D., A.M.C.T., C.ENG., F.I.MECH.E., Mechanics of Materials
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WHYMAN, P., DIP.ARCH., R.I.B.A., A.R.I.A.S., Architecture and Building Science

WOOD, W. S., PH.D., C.ENG., F.I.E.E., Electrical Engineering

ATTACHED INSTITUTES:

Centre for Educational Practice: Alexander Turnbull Bldg., 155 George St., Glasgow, G1 1RD; Head R. C. MACLEAN, M.A., M.ED.

Centre for Industrial Innovation: 100 Montrose St., Glasgow, G4 0LZ; Dir. E. R. NORTH, B.SC.

Centre for the Study of Public Policy (Dept. of Politics): McCance Bldg., 16 Richmond St., Glasgow, G1 1XQ; Dir. Prof. R. ROSE, D.PHIL.

David Livingstone Institute of Overseas Development Studies: McCance Bldg., 16 Richmond St., Glasgow, G1 1XQ; Dir. J. PICKETT, B.SC.(ECON.), M.LITT.

Fraser of Allander Institute for Research on the Scottish Economy (Dept. of Economics): 100 Montrose St., Glasgow, G4 0LZ; Dir. Prof. D. R. F. SIMPSON, M.A., PH.D.

National Centre for Training and Education in Prosthetics and Orthotics (Bioengineering Unit): Balmanno Building, 73 Rottenrow, Glasgow, G4 0NG; Dir. J. HUGHES, B.SC., F.I.MECH.E., F.I.S.P.O.

UNIVERSITY OF SURREY

GUILDFORD,
SURREY, GU2 5XH

Telephone 0483-71281.

Founded as Battersea Polytechnic Institute 1891; designated a College of Advanced Technology 1956; University Charter 1966.

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Vice-Chancellor: A. KELLY, PH.D., SC.D., F.INST.P., C.ENG., F.I.M., F.R.S.

Academic Registrar: G. HAIGH, PH.D., D.I.C., M.INST.P.

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Number of students: 3,500.

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DICKERSON, J. W. T., PH.D., F.I.BIOL., F.R.S.H., F.I.F.S.T., Human Nutrition

ELVIDGE, J. A., PH.D., D.SC., D.I.C., A.R.C.S., C.CHEM., F.R.I.C., Organic Chemistry

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Faculty of Engineering:

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CARNEGIE, W., PH.D., C.ENG., M.I.MAR.E., Vibrations

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HEALEY, F. G., M.A. PH.D., Linguistic and International Studies (French)

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LEE, T. R., M.A., PH.D., F.B.PS.S., Psychology

PICK, O., B.A., D.IUR., Linguistic and International Studies (International Relations)

POCKNEY, B. P., B.SC.(ECON)., B.A., Linguistic and International Studies (Russian)

REEVES, N. B. R., M.A., D.PHIL., Linguistic and International Studies (German)

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SMITH BRINDLE, R., D.MUS., Music

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JACKSON, DAPHNE F., PH.D., D.SC., A.R.C.S., F.INST.P., Nuclear Physics

PUTTICK, K. E., PH.D., M.INST.P., Solid State Physics

WALDRON, M. B., PH.D., F.I.M., Metallurgy

WILLIAMS, W. E., PH.D., D.SC., F.I.M.A., Mathematics

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Faculty of Biological and Chemical Sciences:

ARCUS, C. L., PH.D., D.SC., C.CHEM., F.R.I.C., Chemistry

BRIDGES, J. W., PH.D., Biochemistry

BUTLER, M., PH.D., Virology

HILLMAN, H., M.B., B.S., PH.D., M.R.C.S., L.R.C.P., Physiology

JACKSON, R. M., PH.D., M.I.BIOL., Plant Microbiology

LADD, M. F. C., M.SC., PH.D., C.CHEM., F.R.I.C., F.INST.P., Crystallography

LARKWORTHY, L. F., PH.D., D.SC., C.CHEM., F.R.I.C., Chemistry

LEE, W. H., PH.D., C.CHEM., F.R.I.C., Chemistry

LEWIS, D., M.SC., PH.D., M.INST.P., Crystallography

WALKER, R., PH.D., C.CHEM., M.R.I.C., Food Science

Faculty of Engineering:

BRADBURY, L. J. S., PH.D., Fluid Mechanics

BYWATER, R. E. H., PH.D., C.ENG., M.I.E.E., M.B.C.S., Chemical Engineering

DAVIS, Q. V., B.SC.(ENG.), C.ENG., F.I.E.E., F.INST.P., Electronic and Electrical Engineering

EDWARDS, J., M.SC.(ENG.), PH.D., Biomechanics

NOOSHIN, H., PH.D., D.I.C., Civil Engineering

PARKER, G. A., PH.D., C.ENG., M.I.MECH.E., M.A.S.M.E., M.INST.M.C., Fluid Control Systems

REAM, N., B.A., PH.D., F.INST.M.C., Electronic and Electrical Engineering

THOMAS, W. J., PH.D., C.CHEM., F.R.I.C., C.ENG., M.I.CHEM.E., M.INST.F., DIP.CHEM.E., Chemical Engineering

WILLIAMS, R. I. T., M.SC.(ENG.), C.ENG., M.I.C.E., F.I.H.E., Construction Matials

Faculty of Human Studies:

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COOPER, D. E., M.A., Philosophy

HABER, L. F., PH.D., Economics

MATTHEWS, W., D.PHIL., Russian Studies

NAILON, P. W., M.PHIL., F.H.C.I.M.A., Hotel, Catering and Tourism Management

THOMPSON, J., PH.D., Food Science

Faculty of Mathematical and Physical Sciences:

CASTLE, J. E., PH.D., C.CHEM., F.R.I.C., F.I.CORR.T., Metallurgy and Materials Technology

CORNBLEET, S., PH.D., F.I.M.A., Physics

CROCKER, A. G., PH.D., D.SC., A.R.C.S., F.INST.P., F.I.M., Solid State Physics

DAVIES, M., M.SC., PH.D., D.I.C., A.R.C.S., F.I.M.A., Numerical Analysis

FOULDS, K. W. H., PH.D., C.ENG., F.I.E.E., M.I.E.E.E., Microwave Physics

JOHNSON, R. C., PH.D., F.INST.P., Nuclear Physics

MIODOWNIK, A. P., PH.D., F.I.M., Metallurgy and Materials Technology

ROBERTSON, M. M., M.A., PH.D., Pure Mathematics

SHAIL, R., PH.D., F.I.M.A., Applied Mathematics

ATTACHED INSTITUTES:

Institute for Educational Technology: f. 1967; research and innovation in teaching and learning in higher education; Dir. Prof. L. R. B. Elton, M.A., D.SC., F.INST.P., F.I.M.A., F.R.S.A.

Wolfson Bioanalytical Centre: f. 1969 to promote industrial innovation, to assist analytical laboratories through design, evaluation and advisory studies and to research into cancer and pharmaceuticals; Dir. E. Reid, PH.D., D.SC., C.CHEM., F.R.I.C.

UNIVERSITY OF SUSSEX

FALMER, BRIGHTON, SUSSEX,
BNI 9RH
Telephone: Brighton 66755.
Founded 1961.

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Epstein, Mrs. T. S., PH.D., Prof. Fellow, School of African and Asian Studies
Fraenkel, L. E., M.A.SC., Partial Differential Equations
Freeman, C., D.PHIL., Science Policy
Graham, B. D., M.A., PH.D., Politics
Green, R. H., M.A., LL.D., PH.D., Prof. Fellow, Institute of Development Studies
Grimsdale, R. L., M.SC., PH.D., C.ENG., M.I.E.E., F.B.C.S., Electronics
Harrison, J. F. C., M.A., PH.D., History
Heal, G. M., M.A., PH.D., Economics
Jayawant, B. V., PH.D., D.SC., C.ENG., M.I.E.E., Electrical and Systems Engineering
Jenkins, A. D., PH.D., D.SC., C.CHEM., F.R.I.C., Polymer Science
Johnson, A. W., M.A., PH.D., SC.D., C.CHEM., F.R.I.C., F.R.S., Chemistry, Dir. A.R.C. Unit of Invertebrate Chemistry and Physiology
Johnson-Laird, P. N., PH.D., Experimental Psychology
Jolly, A. R., M.A., PH.D., Prof. Fellow, Dir. Institute of Development Studies
de Kadt, E. J., M.A., PH.D., Prof. Fellow, Institute of Development Studies
Lacey, C., PH.D., Education
Lappert, M. F., PH.D., D.SC., C.CHEM., F.R.I.C., Chemistry
Leggett, A. J., M.A., D.PHIL., Theoretical Physics
Lerner, L. D., M.A., English
Lipton, M., B.A., Prof. Fellow, Institute of Development Studies
Lloyd, P. C., M.A., D.PHIL., Social Anthropology
Longuet-Higgins, H. C., M.A., D.PHIL., D.UNIV., F.R.S., F.R.S.E., Perception and Cognition
Lynton, N. C., B.A., History and Theory of Art
Lyons, J., M.A., PH.D., F.B.A., Linguistics
McGowan, Miss M. M., PH.D., French
MacKenzie, N. I., B.SC.(ECON.), Education
Mackintosh, N. J., M.A., D.PHIL., Experimental Psychology
Mason, R., PH.D., C.CHEM., F.R.I.C., F.INST.P., F.R.S., Chemistry
Maynard Smith, J., B.A., B.SC., F.R.S., Biology
Mestel, L., B.A., M.SC., PH.D., F.R.S., Astronomy
Meszaros, I., PH.D., Philosophy
Minhas, B. S., M.A., M.S., PH.D., Prof. Fellow, Institute of Development Studies
Morrison, S. L., M.B., F.R.C.P., F.F.C.M., Prof. Fellow, Centre for Medical Research
Murrell, J. N., PH.D., C.CHEM., F.R.I.C., Chemistry
Mutter, R. P. C., M.A., English
Nuttall, A. D., M.A., B.LITT., English
Pocock, D. F., B.LITT., M.A., D.PHIL., F.R.A.I., Social Anthropology
Postgate, J. R., M.A., D.PHIL., D.SC., F.INST.BIOL., F.R.S., Microbiology
Rivett, B. H. P., M.SC., Operational Research
Schaffer, B. B., B.SC., PH.D., Prof. Fellow, Institute of Development Studies
Scott, D. B., M.A., D.SC., F.I.M.A., Mathematics
Seers, D., M.A., C.M.G., Prof. Fellow, Institute of Development Studies
Shall, S., M.SC., M.B., B.CH., PH.D., Biochemistry
Smith, K. F., M.A., PH.D., F.INST.P., Experimental Physics
Sunkel, O., B.A., Prof. Fellow, Institute of Development Studies
Sutcliffe, J. F., PH.D., D.SC., F.INST.BIOL., Plant Physiology
Sutherland, N. S., M.A., D.PHIL., Experimental Psychology
Symonds, N. D., B.A. B.SC., PH.D., Microbial Genetics
Tayler, R. J., M.A., PH.D., Astronomy
Taylor, R. J., M.A., PH.D., L.R.A.M., German
Thompson, M. W., D.SC., F.INST.P., Physics
Thorlby, A. K., M.A., PH.D., Comparative Literature
Thorne, C. G., M.A., International Relations
Vaitsos, C. V., M.A., PH.D., Prof. Fellow, Institute of Development Studies
Ward, G. N., M.A., F.I.M.A., Mathematics
Wilkinson, Sir Denys, M.A., PH.D., SC.D., F.R.S., Physics
Winch, D. N., PH.D., Economics

Readers:

Allen, L., PH.D., D.SC., D.I.C., A.R.C.S., F.INST.P., Experimental Physics
Barton, G., M.A., D.PHIL., Theoretical Physics
Bailey, A. J., B.A., Education
Baker, D. A., PH.D., Plant Physiology
Beeforth, T. H., M.A., M.INST.P., C.ENG., M.I.E.E., Electronics Engineering
Benewick, R. J., M.A., PH.D., Politics
Boden, M. A., M.A., A.M., PH.D., Philosophy
Bott, R. W., B.SC., C.CHEM., F.R.I.C., Molecular Sciences

Bowes, Mrs. P., M.A., PH.D., Philosophy
Bray, R. C., PH.D., SC.D., Biochemistry
Brown, M. G., B.SC., M.A., C.CHEM., F.R.I.C., Education and Chemistry
Brown, R., M.A., History
Burke, U. P., M.A., Intellectual History
Burrow, J. W., M.A., PH.D., Intellectual History
Bushell, P. J., M.A., D.PHIL., Mathematics
Byrne, J., M.SC., PH.D., Experimental Physics
Carlebach, J. I., M.LITT., DIP.SOC., DIP.CRIM., D.PHIL., Sociology
Carsaniga, G., DOTT.LETT., Italian
Chaudhuri, P. K., B.A., M.SC., Economics
Clarke, G. M., M.A., F.I.S., Mathematics
Cohen, C. D., B.SC., Economics
Cook, Miss P. L., M.A., PH.D., Economics
Cooper, C. J., PH.D., Mathematics
Craig, G. W., M.A., French
Craven, A. H., M.SC., PH.D., C.ENG., Mathematics
Cromwell, Miss V., M.A., History
Darwin, C. J.; M.A., PH.D., Experimental Psychology
Dashwood, A. A., B.A., Law
Diffey, T. J., PH.D., Philosophy
Dombey, N. D., PH.D., Theoretical Physics
Eraut, M. R., M.A., PH.D., Education
Ertl, M. E., M.SC., PH.D., Materials Science
Finn, C. B. P., M.A., D.PHIL., M.INST.P., Experimental Physics
Flower, J. O., PH.D., C.ENG., M.I.E.E., Electrical and Systems Engineering
France, P. O., M.A., D.PHIL., French
Giedymin, J., M.A., M.ECON., PH.D., Logic and Scientific Method
Goodwin, B. C., M.SC., Developmental Biology
Griffiths, I. L., PH.D., Geography
Guha, R., M.A., History
Hackel, S., M.A., D.PHIL., Russian Studies
Hamilton, W. D., M.SC., PH.D., F.INST.P., Experimental Physics
Hanson, J. R., M.A., D.SC., PH.D., D.I.C., C.CHEM., F.R.I.C., Molecular Sciences
Hankey, Miss A. T., PH.D., Classical and Medieval Studies
Harrison, B. J., M.A., PH.D., Philosophy
Harvey, J. D., M.A., MUS.D., Music
Hawkins, M. J., M.A., History
Hutt, M. G., M.A., B.LITT., History
Holmes, R., PH.D., C.ENG., F.I.MECH.E., Mechanical and Structural Engineering
Jackson, R. A., M.A., D.PHIL., Molecular Sciences
Jenkins, C., M.A., PH.D., French
Josipovici, G. D., B.A., English
John, S. B., M.A., French
Jones, N. B., M.ENG., D.PHIL., Control Electrical and Systems Engineering
Kedward, H. R., M.A., B.PHIL., History
Lamont, W. M., PH.D., Education and History
Land, M. F., PH.D., Neurobiology
Langmuir, Mrs. E. H., M.A., PH.D., History and Theory of Art
Lloyd, Mrs. B. B., M.A., PH.D., Social Psychology
Löb, L., DR.PHIL., German
Martelli, G. E. G., DOTT.FIS., LIT.DOT. FIS.SUP., Experimental Physics
McCapra, F., PH.D., D.I.C., Molecular Sciences
McCaffery, R. J., PH.D., Molecular Sciences
MacGillivray, A. J., PH.D., Biochemistry
Mason, A. E., M.A., Education
Mayo, P. R., PH.D., Developmental Psychology
Middlemas, R. K., D.PHIL., History
Milner-Gulland, R. R., M.A., Russian Studies
Morris, W. D., PH.D., C.ENG., M.I.MECH.E., Mechanical and Structural Engineering
Nixon, J.-F., PH.D., D.SC., Molecular Science
Ogley, R. C., B.A., International Relations
Oldfield, D. E., M.A., English
Osborne, J., PH.D., German
Owen, J. M., D.PHIL., Mechanical and Structural Engineering
Peeling, E. R. A., PH.D., C.CHEM., F.R.I.C., Molecular Science
Platt, Miss J. A., M.A., Sociology
Prickett, A. T. S., M.A., PH.D., English
Rogers, Miss R. H., M.SC., PH.D., F.I.M.A., Mathematics
Röhl, J. C. G., M.A., PH.D., History
Ross, A. M., M.A., PH.D., English
Rosselli, J., PH.D., History
Routh, G. G. C., PH.D., Economics
Sants, H. J., M.A., Developmental Psychology
Schulkind, E. W., B.A., D.U., French History and Literature
Shiel, J., M.A., D.PHIL., History of Hellenic Thought
Simmonds, J. E., M.A., Social Administration
Simpson, A. W., PH.D., Materials Science
Sloman, A., D.PHIL., Philosophy
Smith, J. D., M.A., PH.D., Molecular Sciences
Smith, B. L., J.P., PH.D., Experimental Physics
Sprigge, T. L. S., M.A., PH.D., Philosophy
Springford, M. J., PH.D., M.INST.P., Experimental Physics
Stein, W. D., M.SC., PH.D., Biochemistry
Streeter, D. T., B.SC., Ecology
Thomas, J. D., PH.D., Ecology
Thomson, Miss P., M.A., English
Turner, R. E., M.A., PH.D., Theoretical Physics
Venables, J. A., M.A., PH.D., F.INST.P., Experimental Physics
Wall, D. G., B.SC.(ECON.), Economics
Walton, D. R. M., PH.D., D.SC., C.CHEM., F.R.I.C., Molecular Sciences
Warren, N., M.A., Social Psychology
Weir, A. J., M.A., PH.D., Mathematics
West, R. W., D.PHIL., Education
Whiteman, K. J., M.A., Mathematics
Wilkinson, R. H., PH.D., American Studies
Wood, D. P. J., M.A., PH.D., History
Woollons, D. J., PH.D., C.ENG., M.I.E.E., Electronics and Computer Science
Wraith, G. C., M.A., PH.D., Mathematics
Wrigley, C. C., M.A., History

Attached Institutes:

Science Policy Research Unit: Dir. Prof. C. Freeman.

A.R.C. Unit of Invertebrate Chemistry and Physiology: Dir. Prof. A. W. Johnson.

A.R.C. Unit of Nitrogen Fixation: Dir. Prof. J. Chatt.

M.R.C. Perceptual and Cognitive Performance Unit: Dir. Prof. W. P. Colquhoun.

M.R.C. Cell Mutation Unit: Dir. Prof. B. A. Bridges.

Sussex European Research Centre: Dir. Prof. L. F. Duchêne.

Institute of Development Studies: Dir. Prof. A. R. Jolly.

Institute of Manpower Studies: Pres. Sir James Dunnett, G.C.B., C.M.G.

UNIVERSITY OF WALES

UNIVERSITY REGISTRY,
KING EDWARD VII AVE.,
CATHAYS PARK,
CARDIFF, CF1 3NS
Telephone: 22656.

Founded 1893.

Chancellor: H.R.H. The Prince Charles, Prince of Wales.
Pro-Chancellor: The Rt. Hon. Lord Edmund-Davies, P.C., LL.D., B.C.L.
Vice-Chancellor: Sir Goronwy Daniel, K.C.V.O., C.B., D.PHIL.
Registrar: J. G. Thomas, M.A.

Libraries: *see* Libraries.

The University of Wales Press publishes learned works and periodicals in Welsh and English.

Includes the following 7 Colleges:

University College of Wales: Aberystwyth; Telephone 3177; f. 1872; Language of instruction: English, with some courses in Welsh; Academic year: October to December, January to March, April to June.

President: Rt. Hon. Cledwyn Hughes, C.H., P.C., LL.D., M.P.
Vice-Presidents: Ben G. Jones, LL.B., Sir Melvyn Rosser.
Principal: Sir Goronwy H. Daniel, K.C.V.O., C.B., D.PHIL.
Vice-Principal: Prof. P. F. Wareing, D.SC., PH.D., F.L.S., F.R.S.
Registrar: T. A. Owen, M.A.

Library: *see* Libraries.

Number of teachers: 345, including 40 professors.

Number of students: 2,532 undergraduate and 562 postgraduate.

Publications: *University of Wales Calendar, Prospectus, Postgraduate Prospectus, Llawlyfr, Newsletter—Llythyr Newyddion.*

Deans:

Faculty of Arts: T. Arwyn Watkins, M.A.
Faculty of Science: Prof. A. O. Morris, PH.D.
Faculty of Education: Prof. J. R. Webster, M.A., PH.D.
Faculty of Economic and Social Studies: D. Steeds, B.A.

Professors:

Andrews, J. A., M.A., B.C.L., BAR.-AT-LAW, Law
Baron, P. J., M.SC., Agricultural Marketing
Bateman, D. I., M.A., Agricultural Economics
Beynon, Sir W. J. Granville, C.B.E., F.R.S., D.SC., PH.D., F.INST.P., M.I.E.E., Physics
Carter, Harold, M.A., Human Geography
Cooper, J. P., F.R.S., PH.D., D.SC., F.I.BIOL., Agricultural Botany
Davies, R. R., D.PHIL., F.R.HIST.S., History
Davies, W., M.SC., PH.D., D.SC., M.I.M.M., F.G.S., Applied Geology
Dickey, J. M., M.S., PH.D., Statistics
Dietrich, B. C., PH.D., Classics

Emery, G., M.A., F.B.C.S., Computer Science
Fryde, E. B., M.A., D.PHIL., F.R.HIST.S., History
Gowan, Ivor, M.A., Political Science
Gruffydd, R. G., D.PHIL., Welsh Language and Literature
Heading, John, M.A., PH.D., Applied Mathematics
Heller, H. G., Organic Chemistry
John, I. G., M.SC.(ECON.), International Politics
Jones, B. M., D.SC., Zoology
Jones, I. G., M.A., F.R.HIST.S., Welsh History
Jones, W. J., M.SC., PH.D., Chemistry
Kidson, C., PH.D., Physical Geography
King, H. K., M.A., PH.D., F.R.I.C., F.INST.BIOL., Biochemistry and Agricultural Biochemistry
Macve, R. H., M.A., M.SC., A.C.A., Accounting
Mathur, P. N., M.A., Economics
Morris, A. O., PH.D., Pure Mathematics
Morris, D. W., PH.D., Agriculture
Morris, J. G., D.PHIL., F.I.BIOL., Microbiology
Moseley, T. H., M.A., LL.B., BAR.-AT-LAW, Law
O'Hara, M. J., M.A., PH.D., Geology
Parrott, H. I., M.A., D.MUS., F.T.C.L., A.R.C.O., Music
Price, G., M.A., D. DE L'U., Romance Studies
Rees, G. L., M.A., Economics
Rees, H., F.R.S., D.SC., PH.D., Agricultural Botany
Roberts, T. A., M.A., D.PHIL., Philosophy
Robinson, A. R., PH.D., German, Swedish and Russian
Slay, D., M.A., PH.D., English
Thomas, P. D. G., M.A., PH.D., F.R.HIST.S., History
Twiddy, N. D., PH.D., F.INST.P., Physics
Van Velsen, J., LL.B., PH.D., Sociology and Social Anthropology
Walters, K., M.SC., PH.D., Applied Mathematics
Wareing, P. F., D.SC., PH.D., F.L.S., F.R.S., Botany
Webster, J. R., M.A., PH.D., Education
Williams, G., Physical Chemistry
Williams, J. E. Caerwyn, M.A., B.D., Irish

Attached Institute:

Welsh Plant Breeding Station: *see* under Research Institutes.

University College of North Wales: Bangor; Telephone: Bangor 51151, f. 1884.

President: Rt. Hon. Lord Kenyon, C.B.E., D.L., LL.D.

Principal: Sir Charles Evans, B.M.; M.A., D.SC., F.R.C.S.

Secretary and Registrar: E. Hughes, B.A.

Librarian: L. J. G. Heywood, M.A.

Library: *see* Libraries.

Number of teaching staff: 318 including 38 professors.

Number of students: 3,139.

Publications: *Gazette* (termly), *Report*, *Prospectus*, *Guide to Courses* (annually), *Prospectus for Non-Graduating Students* (irregular), *Summer School Brochure* (annually), *Conference Accommodation Brochure* (irregular).

Deans:

Faculty of Arts: Prof. K. G. Robbins, M.A., D.PHIL., F.R.HIST.S.

Faculty of Science: C. J. M. Stirling, PH.D., D.SC., C.CHEM., F.R.I.C.

Professors:

Faculty of Arts:

Anderson, M. J., B.A., Drama
Busst, A. J. L., PH.D., French and Romance Studies
Hunter, G. B. B., M.A., Philosophy
Jones, A. R., B.A., B.LITT., English
Jones, B. L., M.A., Welsh
Llywelyn-Williams, A., M.A., Extra-Mural Studies
Mathias, W., D.MUS., Music
Morris-Jones, H., B.A., B.LITT., Social Theory and Institutions
Reardon, B. P., M.A., D.U., Classics
Revell, J. R. S., B.SC.(ECON.), M.A., Economics
Robbins, K. G., M.A., D.PHIL., F.R.HIST.S., History
Sharp, A. E., M.A., Linguistics
Smith, M. F., M.A., M.LITT., F.S.A., Classics
Spalding, K., M.A., PH.D., German
Wilcox, Rev. M., B.D., M.A., PH.D., Biblical Studies
Williams, J. G., M.A., Welsh History
Williams, P., M.A., PH.D., F.B.PS.S., Education

Faculty of Science:

Boyd, T. J. M., PH.D., Applied Mathematics
Brown, R., M.A., D.PHIL., Pure Mathematics
Crisp, D. J., C.B.E., M.A., PH.D., SC.D., F.R.S., Marine Biology
Darbyshire, J., D.SC., F.INST.P., Physical Oceanography
Dodd, J. M., PH.D., D.SC., F.R.S., F.R.S.E., Zoology
Evans, W. C., M.SC., PH.D., F.R.I.C., F.I.BIOL., Biochemistry and Soil Science
Fogg, G. E., PH.D., SC.D., F.R.S., Marine Biology
Greig-Smith, P., M.A., SC.D., F.L.S., Plant Biology
Harper, J. L., M.A., D.PHIL., F.R.S., Botany
Lacey, W. S., PH.D., D.SC., F.L.S., F.G.S., Plant Biology
Lewis, T. J., M.SC., D.SC., PH.D., C.ENG., F.I.E.E., F.INST.P., Electrical Materials Science
Miles, T. R., M.A., PH.D., F.B.PS.S., Psychology
Owen, J. B., PH.D., M.A., F.I.BIOL., Agriculture
Paul, R. J. A., D.SC., C.ENG., F.R.AE.S., F.I.E.E., F.I.MECH.E., F.B.C.S., Electronic Engineering
Roche, L., M.F., PH.D., Forestry
Sagar, G. R., M.A., D.PHIL., Agricultural Botany
Secker, P. E., PH.D., C.ENG., M.INST.P.
Sheridan, J., M.A., D.PHIL., D.SC., F.R.I.C., Physical and Inorganic Chemistry
Stephenson, I. M., M.SC., PH.D., C.ENG., M.I.E.E., Electronics
Stirling, C. J. M., PH.D., D.SC., C.CHEM., F.R.I.C., Organic Chemistry
Wilcock, W. L., PH.D., F.R.A.S., Physics

Readers:

Faculty of Arts:

Kerridge, Eric, PH.D., F.R.HIST.S., Economics
Rees, B., M.A., Welsh
Thomas, A. R., M.A., Linguistics
Thomas, G., M.A., D.PHIL., Welsh
Thrall, Miss M. E., M.A., PH.D., Biblical Studies

Faculty of Science:

Chambers, Ll. G., D.SC., Mathematics
Dorsett, D. A., PH.D., Marine Biology
Gopinath, A., M.TECH., PH.D., C.ENG., M.I.E.E., M.I.E.E.E., Electronic Engineering
Jones, W. C., M.A., PH.D., SC.D., Zoology
Ruston, A. F., PH.D., F.I.M.A., Mathematics
Simpson, J. H., PH.D., Physical Oceanography
Taylor Smith, D., B.SC., D.I.C., Physical Oceanography
Turvey, J. R., PH.D., D.SC., F.R.I.C., Physical and Molecular Sciences
Walsby, A. E., PH.D., Marine Biology
Williams, P. A., D.PHIL., Biochemistry and Soil Science
Wynn Parry, D., M.SC., D.SC., Plant Biology

Attached Institutes:

Inter-University Institute of Engineering Control: f. 1967 to promote co-operation in teaching and research by linking postgraduate work at Universities of Sussex and Warwick and University College of North Wales; Dir. Prof. R. J. A. Paul.

Institute of Economic Research: f. 1969; research in regional economics, economics of developing countries, tourism and economics of ports, policy-making and planning; data analysis; Dir. S. R. C. Wanhill.

Institute of European Finance: f. 1973; Jt. Dirs. Prof. J. R. S. Revell, J. E. Maycock, B.COM., F.I.B.

Industrial Development Unit: f. 1968 to establish liaison with the electronics industry and to undertake provision to the industry of specialized high-voltage equipment; Dir. Prof. P. E. Secker.

Natural Environment Research Council Unit of Marine Invertebrate Biology: A government-sponsored research station with a senior staff of 10; Dir. Prof. D. J. Crisp.

University College, Cardiff: P.O.B. 78, Cardiff, CF1 1XL; Telephone: Cardiff 44211; f. 1883, incorporated by Royal Charter 1884.

President: The Rt. Hon. Lord Elwyn-Jones, C.H., M.A., LL.D.

Principal: C. W. L. Bevan, C.B.E., D.SC., F.R.I.C.

Vice-Principal (Administration) and Registrar: Prof. L. A. Moritz, M.A., D.PHIL.

Library: *see* Libraries.

Number of teaching staff: 570, including 70 professors.

Number of students: 5,311.

Publications: *Prospectus*, *Annual Report*, *Safety Handbook* (all annually).

DEANS:

Faculty of Arts: Prof. J. Percival, M.A., D.PHIL.
Faculty of Economic and Social Studies: Prof. J. A. Cross, M.A., PH.D.
Faculty of Law: Prof. H. G. Calvert, LL.M.
Faculty of Science: Prof. K. W. Kemp, PH.D.
Faculty of Applied Science: Prof. J. E. Thompson, PH.D., F.INST.P., F.I.M.
Faculty of Theology: Prof. T. H. McPherson, M.A., B.PHIL.
Faculty of Education: Prof. A. Taylor, M.A.

PROFESSORS:

(Some professors serve in more than one faculty.)

Faculties of Arts, Education, Music and Theology:

Atkinson, R. J. C., M.A., F.S.A., Archaeology
Baker-Smith, D., M.A., PH.D., English
Beetlestone, J. G., PH.D., D.SC., Science Education
Blackman, D. E., PH.D., F.B.PS.S., Psychology
Brooks, M., PH.D., F.G.S., F.R.A.S., Geology
Churchhouse, R. F., M.A., PH.D., F.B.C.S., Computing Science
Davie, R., PH.D., Education
Dean, W. T., PH.D., D.SC., F.G.S., Geology
Evans, J. L., M.A., D.PHIL., Philosophy and History of Wales
Foulkes, P., M.A., PH.D., German
Gillespie, G. T., M.A., PH.D., German
Griffiths, R. M., M.A., PH.D., French
Hawkes, T. F., M.A., PH.D., English
Hearder, H., PH.D., Modern History
Hoddinott, A., D.MUS., Music
Hooley, C., M.A., PH.D., SC.D., Pure Mathematics
Hopkin, Sir Bryan, C.B.E., M.A., Economics
Jarman, A. O. H., M.A., Welsh
Jarrett, M. G., PH.D., F.S.A., Archaeology
Jones, F. J., M.A., D.U.P., Italian
Kelsall, M. M., M.A., B.LITT., English
Lewis, C. W., B.A., F.S.A., F.R.HIST.S., Welsh
McPherson, T. H., M.A., Philosophy
Moritz, L. A., M.A., D.PHIL., Latin
Pierce, G. O., M.A., History of Wales
Robbins Landon, H. C., D.MUS., Music
Saggs, H. W. F., M.TH., M.A., PH.D., F.S.A., Semitic Languages and Religious Studies
Shergold, N. D., M.A., PH.D., Hispanic Studies
Taylor, A., M.A., Education
Thomas, R. G., M.A., PH.D., English
Walcot, P., M.A., PH.D., Classics
Wickramasinghe, N. C., M.A., PH.D., SC.D., F.R.A.S., Applied Mathematics and Astronomy
Wiegold, J., M.SC., PH.D., D.SC., Pure Mathematics
Williams, G. A., M.A., PH.D., History

Faculty of Economic and Social Studies:

Albrow, M. C., PH.D., Sociology
Blackman, D. E., PH.D., F.B.PS.S., Psychology
Coxon, A. P. M., PH.D., Sociology
Cross, J. A., M.A., PH.D., Politics
French, E. A., PH.D., Accountancy and Financial Control
George, K. D., M.A., Economics
Hopkin, Sir Bryan, C.B.E., M.A., Economics
Jones, H., PH.D., Social Administration
Rees, R., Economics
Thomason, G. F., M.A., PH.D., Industrial Relations

Faculty of Law:

Calvert, H. G., LL.M., Law
Sheridan, L. A., LL.D., PH.D., BAR.-AT-LAW, Law

Faculty of Science:

Bellamy, D., D.PHIL., F.I.BIOL., Zoology
Brooks, M., PH.D., F.G.S., F.R.A.S., Geology
Churchhouse, R. F., M.A., PH.D., F.B.C.S., Computing Mathematics
Davies, R. O., M.SC., D.PHIL., Physics
Dean, W. T., PH.D., D.SC., F.G.S., Geology
Disney, M. J., PH.D., F.R.A.S., Applied Mathematics and Astronomy
Dodgson, K. S., PH.D., D.SC., F.I.BIOL., Biochemistry
Evans, A. G., PH.D., F.R.I.C., D.SC., Chemistry
Evans, W. D., D.PHIL., Pure Mathematics
Gillard, R. D., PH.D., Inorganic Chemistry
Hooley, C., M.A., PH.D., SC.D., Pure Mathematics
Hopkin, Sir Bryan, C.B.E., M.A., Economics
Hughes, D. E., M.A., D.SC., PH.D., F.I.BIOL., Microbiology
Jackson, A. H., M.A., PH.D., SC.D., F.R.I.C., Organic Chemistry
Kemp, K. W., PH.D., F.I.S., Mathematical Statistics, Operational Research
Lever, J. D., M.A., M.D., SC.D., Anatomy
Lloyd, D., PH.D., D.SC., Microbiology
Moffatt, D. B., M.D., F.R.C.S., Anatomy
Pickles, V. R., M.A., M.D., D.C.H., Physiology
Smith, A. G., PH.D., Botany
Taylor, C. A., PH.D., D.SC., F.INST.P., Physics
Whittle, E., M.SC., PH.D., D.SC., Chemistry
Wickramasinghe, N. C., M.A., PH.D., SC.D., F.R.A.S., Applied Mathematics and Astronomy
Wiegold, J., M.SC., PH.D., D.SC., Pure Mathematics

Faculty of Applied Science:

Brinkworth, B., M.SC.ENG., PH.D., Mechanical Engineering and Energy Studies
Lloyd, H. K. M., PH.D., F.I.M., Metallurgy and Materials Science
Markland, E., PH.D., D.SC., F.I.MECH.E., F.I.C.E., Mechanical Engineering and Energy Studies
Millman, A., PH.D., F.I.M.M., Mineral Exploitation
Platt, J., PH.D., F.I.MIN.E., F.I.M.M., Mineral Exploitation
Rockey, K. C., M.SC.ENG., PH D., F.I.C.E., F.I.STRUCT.E., Civil and Structural Engineering
Thompson, J. E., PH.D., F.INST.P., F.I.M., Electrical and Electronic Engineering

ATTACHED INSTITUTES:

School of Home Economics: Dir. A. R. Mathieson, O.B.E., M.SC., PH.D., F.R.I.C., F.R.S.A.

David Owen Centre for Population Growth Studies: Dir. Caspar Brook.

Computing Centre: Dir. J. C. Baldwin, D.PHIL.

Extra-Mural Studies: Dir. Selwyn Davies, B.A.

Cardiff University Industry Centre: Man. J. C. Jones.

Sherman Theatre: Dir. G. J. Axworthy, M.A.

Centre for Journalism Studies: Dir. R. J. Boston, M.A.

Centre for Educational Technology: Dir. G. D. Moss, PH.D.

Cardiff University English Centre for Overseas Students: Dir. J. F. Harris.

University College of Swansea: Singleton Park, Swansea, SA2 8PP; Telephone: 0792-25678; f. 1920; Academic year: October to December, January to March, April to June.

President: Sir John Habakkuk, M.A., D.LITT., F.B.A.
Principal: Prof. R. W. Steel, M.A., D.SC.
Vice-Principals: Prof. J. A. Beardmore, PH.D., F.I.BIOL., Prof. J. Burke, PH.D., F.I.M., Prof. G. Williams, M.A., D.LITT., F.R.HIST.S.
Registrar: Aneurin Davies, M.A.

Library: *see* Libraries.

Number of teaching staff: 450.
Number of students: 3,384.

DEANS:

Faculty of Arts: J. B. Woodward, M.A., D.PHIL.
Faculty of Economic and Social Studies: Prof. R. H. Greenwood, M.A.
Faculty of Science: J. Hayward, PH.D.
Faculty of Applied Science: D. W. Hopkins, M.SC., F.I.M.
Faculty of Education: Prof. D. G. Pritchard, PH.D.

PROFESSORS:

Faculty of Arts:

Collard, C., M.A., M.LITT., Classics
Davies, A., M.A., Modern History
Diverres, A. H., M.A., L. ÈS L., D.UNIV., French
Greenleaf, W. H., PH.D., Political Theory and Government
Griffiths, J. G., M.A., D.PHIL., D.LITT., Classics and Egyptology
Phillips, D. Z., M.A., Philosophy
Price, C. J. L., M.A., PH.D., D.LITT., English Language and Literature
Roberts, B. F., M.A., PH.D., Welsh
Waidson, H. M., M.A., D.PHIL., German
Williams, G., M.A., D.LITT., F.R.HIST.S., History

Faculty of Economic and Social Studies:

Broady, M., B.A., Social Policy and Social Work
Cole, W. A., M.A., PH.D., Economic History
Elliott, C. M., D.PHIL., Development Policy and Planning
Hansel, C. E. M., M.A., Psychology

Mapes, R. E. A., B.A., B.LITT., Medical Sociology
Nevin, E. T., M.A., PH.D., Economics
Pethybridge, R. W., M.A., D. ÈS SC. POL., Russian and East European Studies
Williams, W. M., M.A., Sociology and Anthropology

Faculty of Education:

Chazan, M., M.A.
Pritchard, D. G., PH.D., F.R.HIST.S.

Faculty of Science:

Ager, D. V., D.SC., PH.D., D.I.C., F.G.S., Geology
Banner, F. T., PH.D., F.G.S., Oceanography
Beardmore, J. A., PH.D., Genetics
Beynon, J. H., D.SC., F.R.S., Royal Society Research Prof. (Chemistry)
Brown, E. G., PH.D., D.SC., F.R.I.C., Biochemistry
Dutton, J., PH.D., Physics
Greenwood, R. H., M.A., Geography
Hawkes, A. G., PH.D., Statistics
Knight-Jones, E. W., D.PHIL., Zoology
Morgan, C. G., M.SC., PH.D., Physics
Niblett, G. B. F., M.SC., PH.D., BAR.-AT-LAW, Computer Science
Owen, T. R., M.SC., Geology
Pelter, A., M.SC., PH.D., Organic Chemistry
Purnell, J. H., M.A., PH.D., Physical Chemistry
Ryland, J. S., M.A., PH.D., D.SC., Zoology
Stephens, N., M.SC., PH.D., Geography
Syrett, P. J., M.A., D.SC., Botany
Temperley, H. N. V., M.A., SC.D., Applied Mathematics
Thonemann, P. C., M.SC., D.PHIL., Physics
Weston, J. D., D.SC., Pure Mathematics
Williams, D., M.A., D.PHIL., Pure Mathematics

Faculty of Applied Science:

Alexander, J. M., D.SC., PH.D., Mechanical Engineering
Burke, J., PH.D., Physical Metallurgy
Gravenor, R. B., M.SC., PH.D., A.R.I.C., Management Science
Oldfield, J. V., PH.D., D.I.C., Electrical Engineering
Richardson, J. F., D.SC., PH.D., Chemical Engineering
Singer, A. R. E., PH.D., Metallurgy
Zienkiewicz, O. C., PH.D., Civil Engineering

Welsh National School of Medicine: Heath Park, Cardiff, CF4 4XN; Telephone: 755944; incorporated as an Independent School of the University of Wales by Royal Charter in 1931.

President: Sir Cennydd Traherne, K.G., T.D., LL.D., M.A., J.P., K.ST.J.

Provost: J. P. D. Mounsey, M.A., M.D., F.R.C.P.

Director and Dean of Postgraduate Studies: D. H. Makinson, M.A., M.B., F.R.C.P.

Dean of Dental School: B. E. D. Cooke, M.D.S., F.D.S., L.R.C.P., M.R.C.S., F.R.C.PATH.

Dean of Clinical Studies: G. S. Kilpatrick, M.D., F.R.C.P.(ED.), F.R.C.P.

Registrar and Secretary: T. R. Saunders, B.A.

Library: *see* Libraries.

Number of teaching staff: 144, including 24 clinical professors.

Number of clinical students: 635.

PROFESSORS:

Asscher, A. W., B.SC., M.D., F.R.C.P., Medicine
Bloom, A. L., M.D., F.R.C.PATH., Haematology
Campbell, H., M.A., M.B., F.R.C.P., B.S., F.S.S., F.F.C.M., Medical Statistics
Elder, G. H., M.D., M.R.C.PATH., Medical Biochemistry
Evans, K. T., M.B., CH.B., F.R.C.P., D.M.R.D., F.R.C.R., F.F.R., Diagnostic Radiology
Graham, J. D. P., M.D., D.SC., F.R.C.P., F.R.S., Pharmacology
Gray, O. P., M.B., CH.B., D.C.H., F.R.C.P., Child Health
Griffiths, K., PH.D., Cancer Research (Steroid Biochemistry)
Hibbard, B. M., M.D., PH.D., F.R.C.O.G., Obstetrics and Gynaecology
Hughes, L. E., M.B., B.S., D.S., F.R.A.C.S., F.R.C.S., Surgery
Jacobs, A., M.D., F.R.C.PATH., F.R.C.P., Haematology
Landgrebe, F. W., D.SC., Pharmacology
Laurence, K. M., M.A., M.B., CH.B., D.SC., F.R.C.PATH., M.R.C.P., Child Health
Mahler, R., B.SC., M.B., CH.B., F.R.C.P., F.R.C.P.(EDIN.), Medicine
Mapleson, W. W., PH.D., D.SC., F.INST.P., Anaesthetics
Mckibbin, B., M.D., M.SC., F.R.C.S., Traumatic and Orthopaedic Surgery
Rawnsley, K., M.B., CH.B., F.R.C.P., D.P.M., F.R.C.PSYCH., Psychological Medicine
Roberts, C. J., M.D., PH.D., D.P.H., D.OBST.R.C.O.G., Community Medicine
Vickers, M. D. A., M.B., B.S., D.A., F.F.A.R.C.S., Anaesthetics
Watkins, J. F., M.D., B.CHIR., M.A., DIP.BACT., Medical Microbiology
Williams, E. D., M.A., M.B., B.CH., F.R.C.PATH., F.R.C.P., Pathology

Dentistry:

Bates, J. F., B.D.S., M.SC., D.D.S., Restorative Dentistry
Cooke, B. E. D., M.D.S., F.D.S., L.R.C.P., M.R.C.S., F.R.C.PATH., Oral Medicine
Dolby, A. E., M.D., F.D.S., Periodontology
Eccles, J. D., B.D.S., PH.D., F.D.S., Conservative Dentistry
Miller, J., M.D.S., D.D.S., F.D.S., Children's Dentistry, Preventive Dentistry
Robertson, N. R. E., M.D.S., D.D.S., D.D.O., F.D.S.R.C.P.S., Orthodontics

READERS:

Adams, D., PH.D., Oral Biology
Davis, R. H., M.A., D.M., F.R.C.G.P., General Practice
Dodge, J. A., M.D., F.R.C.P., D.C.M., Child Health
Harper, P. S., D.M., F.R.C.P., Medicine
Henderson, A. H., M.B., B.CHIR., F.R.C.P., Cardiology
James, W. R. L., B.SC., M.D., M.R.C.PATH., Pathology
Keyser, J. W., M.SC., PH.D., F.R.I.C., F.R.C.PATH., Medical Biochemistry
Knight, B. H., M.D., M.R.C.PATH., D.M.J., BAR.-AT-LAW, Forensic Pathology
Marks, R., M.B., B.S., D.T.M. & H., F.R.C.P., Dermatology
Salaman, J. R., M.A., M.B., M.CHIR., F.R.C.S., Surgery
Whiteley, H. J., M.D., PH.D., M.R.C.PATH., Pathology

Saint David's University College: Lampeter, Dyfed, SA48 7ED; Telephone: Lampeter 422351; founded 1822; College opened St. David's Day 1827; first Royal Charter granted 1827, with later Charters 1852, 1865, 1896 and 1963; affiliated to Oxford Univ. 1880 and Cambridge Univ. 1883; inc. as constituent institution of the University of Wales 1971; Academic year: October to December, January to March, April to June.

Visitor: Rt. Rev. E. M. Roberts, M.A., Bishop of St. David's.

Principal: B. R. Rees, PH.D.

Academic Registrar: A. M. S. Kenwright, M.A.

Library: *see* Libraries.

Number of teaching staff: 62, including 9 professors.

Number of students: 600.

Publications: *Prospectus*, *Trivium*† (academic journal), *Cambria*† (geographical journal).

PROFESSORS:

Faculty of Arts:

Beaumont, P., PH.D., Geography
Cavendish, A. P., B.A., Philosophy
Davison, P. H., PH.D., English
Duckham, B. F., M.A., History
Evans, D. S., M.A., B.D., Welsh
George, F. W. A., PH.D., French
Gulley, N., M.A., Classics
Lofmark, C. J., M.A., German
Wood, T., M.A., Theology

University of Wales Institute of Science and Technology (UWIST): King Edward VII Ave., Cardiff, CF1 3NU; Tel.: Cardiff 42522; f. 1866 and formerly the Welsh College of Advanced Technology; incorporated by Royal Charter in 1967 as constituent institution of the University of Wales. Academic year: September to June. First Degree courses are given in five Schools of Studies: Applied Sciences, Arts, Business and Law, Engineering, Environmental Design, and Health and Life Sciences.

President: The Rt. Hon. Roy Jenkins, M.P., M.A., LL.D., D.LITT.

Vice-Presidents: Sir Julian Hodge, LL.D., G. Forbes Hayes, C.ST.J., M.A., M.I.MECH.E.

Principal: A. F. Trotman-Dickenson, M.A., PH.D., D.SC.

Vice-Principal: Prof. B. W. Martin, M.SC., PH.D., D.SC.ENG., C.ENG., F.I.MECH.E.

Registrar: F. Harris-Jones, M.A.

Library: *see* Libraries.

Number of teachers: 276 (11 part-time).

Number of students: 2,807, including 380 postgraduates.

Publications: *Prospectus*, *Annual Report*.

DEANS:

School of Applied Sciences: Prof. R. W. EDWARDS, D.SC., F.I.BIOL., M.I.W.P.C.

School of Arts, Business and Law: Prof. E. D. BROWN, LL.M., PH.D.

School of Engineering: Prof. D. J. HARRIS, O.B.E., PH.D., C.ENG., F.I.E.E., F.I.E.R.E.

School of Environmental Design: Prof. P. E. O'SULLIVAN, PH.D.

School of Health and Life Sciences: Prof. P. S. J. SPENCER, PH.D., F.I.BIOL., M.P.S.

PROFESSORS:

BEYNON, J. D. E., M.SC., PH.D., C.ENG. M.I.E.E., Physics, Electronics and Electrical Engineering
BRATCHELL, D. F., PH.D., English
BROWN, E. D., LL.M., PH.D., Law
BRUTON, M. J., M.SC.ENG., D.I.C., M.R.T.P.I., M.I.H.E., Town Planning
BULL, A. T., PH.D., Applied Biology
CADWALLADER, F. J. J., LL.M., PH.D., Law
COOK, A. M., PH.D., F.P.S., C.CHEM., F.R.I.C., F.I.F.S.T., M.I.PHARM.M. Pharmacy
COUPER, A. D., M.A., PH.D., F.C.I.T., M.R.I.N., M.N.I., Maritime Studies
DAVIES, GETHYN, PH.D., Applied Economics
DAVIES, GLYN, B.A., M.SC.(ECON.), Applied Economics, Banking and Finance
DUNCAN, K. D., PH.D., A.B.PS.S., Applied Psychology
EDWARDS, R. W., D.SC., F.I.BIOL., M.I.W.P.C., Applied Biology
GEDDES, J. D., PH.D., C.ENG., F.I.C.E., F.ASCE., F.I.O.B., M.I.H.E., F.G.S., Civil Engineering and Building Technology
HARRIS, D. J., O.B.E., PH.D., C.ENG., F.I.E.E., F.I.E.R.E., Physics, Electronics and Electrical Engineering
HIGGINS, P. F. P., LL.D., LL.M., Law
LIPMAN, A. R., M.A., PH.D., A.R.I.B.A., Architecture
JONES, E. E., PH.D., F.I.M.A., F.INST.P., Mathematics
KING, J., B.SC., Maritime Studies
MANSFIELD, R., M.A., Business Administration and Accountancy
MARTIN, B. W., M.SC., PH.D., D.SC.ENG., C.ENG., F.I.MECH.E., Mechanical Engineering and Engineering Production
MILLODOT, M., O.D., M.SC., PH.D., F.B.O.A., Optometry
NEWCOMBE, V. Z., F.R.I.B.A., F.R.T.P.I., Town Planning
O'SULLIVAN, P. E., PH.D., Architecture
PARISH, P. A., M.D., CH.B., M.R.C.S., L.R.C.P., F.R.C.G.P., Pharmacy
PARROTT, J. E., PH.D., D.SC., F.INST.P., Physics, Electronics and Electrical Engineering
PATCHETT, K. W., LL.M., Law
SPENCER, P. S. J., PH.D., F.I.BIOL., M.P.S., Pharmacy
THOMAS, D.-P., B.ARCH., DIP.C.D., F.R.I.B.A., M.R.T.P.I., Architecture
TOWILL, D. R., M.SC., C.ENG., M.I.PROD.E., F.I.E.R.E., Mechanical Engineering and Engineering Production
WALLIS, D., B.SC., F.B.PS.S., Applied Psychology
WILLIAMS, D. R., PH.D., D.SC., C.CHEM., F.R.I.C., Chemistry
WILLIAMS, F. W., M.A., PH.D., C.ENG., M.I.C.E., M.I.STRUCT.E., Civil Engineering and Building Technology

READERS:

ASKAM, V., PH.D., F.P.S., Pharmacy
BROWN, A., M.SC., PH.D., C.ENG., M.I.MECH.E., M.A.S.M.E., Mechanical Engineering and Engineering Production
FITZGEORGE, D., PH.D., C.ENG., M.I.MECH.E., Mechanical Engineering and Engineering Production
HUGHES, R. E., M.A., PH.D., F.I.BIOL. Applied Biology
PARK, G. S., D.SC., PH.D., C.CHEM., F.R.I.C., Chemistry
RUSSELL, A. D., PH.D., D.SC., M.P.S., M.R.C.PATH., Pharmacy
THOMAS, J. D. R., D.SC., C.CHEM., F.R.I.C., Chemistry
WATERS, R. T., PH.D., C.ENG., M.I.E.E., M.INST.P., Physics, Electronics and Electrical Engineering

UNIVERSITY OF WARWICK

COVENTRY, CV4 7AL
Telephone: (0203)-24011.

Charter granted March 1965.

Academic year: October to December, January to March, April to June (three terms).

Chancellor: Lord Justice SCARMAN, P.C., O.B.E., M.A.

Pro-Chancellors: Sir STANLEY HARLEY, D.L., B.SC., Sir ARTHUR VICK, O.B.E., PH.D.

Vice-Chancellor: J. B. BUTTERWORTH, J.P., D.L., M.A.

Pro-Vice-Chancellors: A. G. FORD, M.A., D.PHIL., E. F. W. SEYMOUR, M.A,, D.PHIL., R. WHITTENBURY, M.SC., PH.D.

Secretary and Registrar: A. ROWE-EVANS, B.A.

Academic Registrar: M. L. SHATTOCK, M.A.

Librarian: P. E. TUCKER, M.A., B.LITT., A.L.A.

Number of teachers: 525.
Number of students: 5,245.

Annual Publications: *Guide to First Degree Courses*†, *Graduate Studies Prospectuses*†, *Vice-Chancellor's Report to Court*†.

PROFESSORS:

Faculty of Arts:

BERGHAHN, V. R., M.A., PH.D., History
BERGONZI, B., M.A., B.LITT., English
BOOTH, M. R., M.A., PH.D., Theatre Studies
CHARLTON, D. G., M.A., PH.D., French Studies
GARDNER, J. R., M.A., PH.D., F.S.A., History of Art
HARRISON, R. J., M.A., D.PHIL., Social History
HENNESSY, C. A. M., M.A., D.PHIL., History
MALLETT, M. E., M.A., D.PHIL., History
MULRYNE, J. R., M.A., PH.D., English
PRESTON, J., M.A., B.LITT., English
RAWSON, C. J., M.A., B.LITT., English
SCARISBRICK, J. J., M.A., PH.D., History
THOMAS, R. H., M.A., PH.D., German Studies

Faculty of Science:

BURKE, D. C., PH.D., Biological Sciences
BUTCHER, P. N., PH.D., Physics (Theoretical Physics)
BUXTON, J. N., M.A., Computer Science
CARTER, R. W., M.A., PH.D., Mathematics
CLARK, V. M., M.A., PH.D., Chemistry and Molecular Sciences
DOUCE, J. L., PH.D., D.SC., Engineering (Electrical Science)
EELLS, J., PH.D., Mathematics
ELLIS, R. J., PH.D., Biological Sciences
EPSTEIN, D. B. A., PH.D., Mathematics
FORTY, A. J., PH.D., D.SC., Physics
GREEN, J. A., PH.D., Mathematics
HARRISON, P. J., B.SC., Statistics
JENNINGS, K. R., M.A., D.PHIL., Chemistry and Molecular Sciences (Physical Chemistry)
JOHNSON, R. P., M.A., Engineering (Civil Engineering)
KELLY, D. P., PH.D, D.SC., Environmental Sciences
MCMILLAN, P. W., PH.D., D.SC.TECH., Physics
PARRY, W., M.SC., PH.D., Mathematics
RHODES, R. G., M.SC., PH.D., Engineering
SCHWARZENBERGER, R. L. E., M.A., PH.D., Mathematics
SEYMOUR, E. F. W., M.A., D.PHIL., Physics
SHERCLIFF, J. A., M.A., S.M., PH.D., Engineering (Engineering Science)
WALLBRIDGE, M. G. H., PH.D., Chemistry and Molecular Sciences (Inorganic Chemistry)
WHITEHOUSE, D. J., PH.D., Mechanical Engineering
WHITTENBURY, R., M.SC., PH.D., Biological Sciences
ZEEMAN, E. C., M.A., PH.D., F.R.S., Mathematics

Faculty of Educational Studies:

LAWRENCE, J. G., M.A., Education
SHIPMAN, M. D., PH.D., Education
SKEMP, R. R., M.A., PH.D., Education

Faculty of Social Studies:

ANDERSON, M., M.A., D.PHIL., Politics
ANNETT, J., M.A., D.PHIL., Psychology
CLEGG, H. A., M.A., Industrial and Business Studies (Industrial Relations)
COWLING, K. G., PH.D., Economics (Industrial Economics)
DIXIT, A. K., M.A., PH.D., Economics
FAWTHROP, R. A., PH.D., Industrial and Business Studies (Financial Management)
FORD, A. G., M.A., D.PHIL., Economics
GHAI, Y. P., LL.M., Law
GRIFFITHS, A. PHILLIPS, B.PHIL., Philosophy
HOULDEN, B. T., PH.D., Industrial and Business Studies
LEONARD, P. T., M.SC.(ECON.) Applied Social Studies
LIVELY, J. F., M.A., Politics
MCAUSLAN, J. P. W. B., B.A., B.C.L., Law
MILLER, M. H., M.A., PH.D., Economics
PETTIGREW, A. M., PH.D., Industrial and Business Studies (Organizational Behaviour)
SKIDELSKY, R., M.A., D.PHIL., International Studies
STACEY, MARGARET, B.SC.(ECON.), Sociology
STERN, N. H., M.A., D.PHIL., Economics
TWINING, W., L., M.A., J.D., Law
WALLIS, K. F., M.SC.TECH., PH.D., Econometrics
WATERWORTH, J. D., B.SC.(ECON.), Industrial and Business Studies (Marketing)
WILSON, G. P., M.A., LL.B., Law

READERS:

Faculty of Arts:

BEAVER, H. L., M.A., English
GOODE, J. A., PH.D., English
GRANSDEN, K. W., M.A., English
HALL, H. G., M.A., PH.D., French

Kamen, H. A. F., M.A., D.PHIL., History
Kochan, L., M.A., PH.D., History
Righter, W. H., M.A., B.LITT., English

Faculty of Science:

Elworthy, K. D., M.A., D.PHIL., Mathematics
Griffiths, D. E., M.A., PH.D., Chemistry and Molecular Sciences
Hawkes, T. O., M.A., PH.D., Mathematics
Hutchinson, D. W., PH.D., Chemistry and Molecular Sciences
Kemp, T. J., M.A., D.PHIL., Chemistry and Molecular Sciences
Mykura, H., PH.D., D.SC., Physics
Park, D. M. R., M.A., PH.D., Computer Science
Paterson, M. S., M.A., PH.D., Computer Science
Pritchard, A. J., PH.D., Engineering (Control Theory)
Rourke, C. P., M.A., PH.D., Mathematics
Rowlands, G., PH.D., Physics
Sanderson, B. J., PH.D., Mathematics
Stonehewer, S. E., M.A., PH.D., Mathematics
Woodland, H. R., M.A., D.PHIL., Biological Sciences (Genetics)

Faculty of Social Studies:

Anderman, S. D., LL.M., M.SC., Law
Archer, Margaret S., PH.D., Sociology
Barrett, D. C., S.J., PH.D., Philosophy
Boothroyd, H., B.SC., Industrial and Business Studies (Operational Research)
Haack, Susan W., B.PHIL., PH.D., Philosophy
Locke, D. B., M.A., B.PHIL., Philosophy
Miller, C. J., LL.M., Law
Trigg, R. H., M.A., D.PHIL., Philosophy

Attached Research Institutes:

Mathematics Research Centre: f. 1965; Dir. Prof. E. C. Zeeman, M.A., PH.D.

Centre for the Study of Social History: f. 1968; Dir. Prof. R. J. Harrison, M.A., D.PHIL.

Inter-University Institute of Engineering Control: f. 1969.

Centre for Industrial Economic and Business Research: f. 1969; Dir. Prof. J. R. Perrin, M.B.A., PH.D.

S.S.R.C. Industrial Relations Research Unit: f. 1969; Dir. Prof. G. S. Bain, M.A., D.PHIL.

Control Theory Centre: f. 1970; Dir. A. J. Pritchard, PH.D.

Legal Research Institute: f. 1978; Dir. Prof. Y. P. Ghai, LL.M.

UNIVERSITY OF YORK

HESLINGTON, YORK, YO1 5DD
Telephone: 0904-59861.
Founded 1963.

Academic year: October to June (three terms).

Chancellor: The Rt. Hon. Lord Clark, O.M., C.H., K.C.B., D.UNIV., F.B.A.

Pro-Chancellors: The Most Revd. and Rt. Hon. S. Y. Blanch, M.A., A. S. Rymer, O.B.E., J.P., D.UNIV., L. E. Waddilove, C.B.E., J.P.

Vice-Chancellor: S. B. Saul, PH.D.

Registrar: J. West-Taylor, O.B.E., M.A.

Librarian: H. Fairhurst, M.A.

Library: *see* Libraries.
Number of teachers: 320.
Number of students: 3,150.

Publications: *Prospectus*†, *Graduate Prospectus*† (annual).

Professors:

Arthurs, A. M., M.A., D.SC., Mathematics
Atkinson, R. F., B.A., B.PHIL., Philosophy
Blake, D. L., M.A., Music
Bloodworth, G. G., M.A., PH.D., Electronics
Bossy, J. A., PH.D., F.R.HIST.S., History
Brockbank, J. P., M.A., PH.D., English
Bronk, J. R., A.B., D.PHIL., Biochemistry
Cooper, R. A., M.A., Social and Economic Statistics
Cornish, F. H. J., M.A., D.PHIL., Mathematics
Currey, J. D., M.A., D.PHIL., Biology
Dobson, R. B., M.A., D.PHIL., History
Dosser, D. G. M., B.SC.(ECON.), Economics
Feinstein, C. H., PH.D., Economic and Social History
Hampson, N., M.A., D.UNIV., History
Harris, B. A., M.A., English
Hawkins, E. W., C.B.E., M.A., Education (Language Teaching)
Heavens, O. S., PH.D., D.SC., C.ENG., F.I.E.E., F.INST.P., Physics
Jones, Kathleen, PH.D., Social Administration
Leff, G., PH.D., LITT.D., History
Le Page, R. B., PH.D., Language
Lister, I., M.A., Education
Mellers, W., M.A., D.MUS., Music
Moodie, G. C., M.A., Politics
Norman, R. O. C., M.A., D.SC., F.R.S., Chemistry
Pearsall, D. A., M.A., English
Prutton, M., PH.D., F.INST.P., Physics
Pyle, I. C., M.A., PH.D., F.B.C.S., Computer Science
Rahtz, P. A., M.A., F.S.A., Archaeology
Salter, Elizabeth, M.A., English
Taylor, L. J., M.A., Sociology
Venables, P. H., PH.D., Psychology
Waddington, D. J., PH.D., A.R.C.S., D.I.C., Chemical Education
Whitaker, Dorothy S., M.A., PH.D., Social Work
Williams, A. H., B.COM., Economics
Williamson, J. H., M.A., PH.D., Pure Mathematics
Williamson, M. H., M.A., D.PHIL., Biology
Wise, D., B.ARCH., R.I.B.A., Architecture
Wiseman, J., B.SC.(ECON.), Applied Economics
Woolfson, M. M., M.A., PH.D., D.SC., F.INST.P., Theoretical Physics

Readers:

Burnett-Hall, D. G., M.A., F.B.C.S., Computer Science
Butterworth, E. D., O.B.E., M.A., Community Work
Cooney, E. W., B.SC.(ECON.), Economic and Social History
Culyer, A. J., B.A., Economics
De Silva, M. W. S., M.A., PH.D., Language
Dunsire, A., M.A., Politics
Hall, R., M.A., Philosophy
Hartley, K., PH.D., Economics
Hester, R. E., PH.D., Chemistry
Hutton, J. P., M.A., Social and Economic Statistics
Ions, E. S. A., M.A., B.LITT., Politics
Leech, Rachel M., M.A., D.PHIL., Biology
Mulkay, M., M.A., PH.D., Sociology
Sawyer, M. C., M.SC.(ECON.), Economics
Sheil-Small, T. B., PH.D., Mathematics
Simmons, P. J., M.SC.(ECON.), Economics

Attached Institutes:

Borthwick Institute of Historical Research: St. Anthony's Hall, Peaseholme Green, York, YO1 2PW; Dir. Dr. D. M. Smith, M.A., PH.D.

Institute of Advanced Architectural Studies: King's Manor, York, YO1 2EP; Dir. Prof. D. Wise, B.ARCH., DIP.T.P., R.I.B.A.

Institute of Social and Economic Research: University of York, Heslington, York, YO1 5DD; Dir. Prof. J Wiseman, B.SC.(ECON.).

Centre for Medieval Studies: Dirs. Prof. R. B. Dobson, M.A., D.PHIL., Prof. D. A. Pearsall, M.A.

Centre for Southern African Studies: Dir. C. R. Hill, M.A.

POLYTECHNICS

CITY OF BIRMINGHAM POLYTECHNIC

PERRY BARR,
BIRMINGHAM, B42 2SU
Telephone: 021-356-6911.
Founded 1971.

Constituent Colleges: Birmingham College of Art, Birmingham College of Commerce, Birmingham School of Music, North Birmingham Technical College, South Birmingham Technical College, City of Birmingham College of Education, Bordesley College of Education, Anstey College of Physical Education.

Director: S. W. Smethurst, M.SC., F.I.M.A.

Secretary: W. H. Watts, C.B.E., C.ENG., M.I.E.E.

Librarian: (vacant).

Library of 275,000 vols.
Number of teachers: 821.
Number of students: 10,490 (including part-time).

Heads of Departments:

Art and Design Centre:

Barlow, P. J., B.A., History of Art and Complementary Studies
Field, P. L., A.T.D., Foundation and Pre-Diploma Studies
Potter, R. W., Three Dimensional Design
Scott, T., Fine Art
Tomlinson, D., Fashion and Textiles

Commerce Centre:

BURNS, D. E., M.A., B.SC.(ECON.), Business Studies and Finance
CAWTHORNE, H. W. H., LL.M., F.I.ARB., Law
FITZJOHN, B. S., T.D., B.A., F.I.L., English and Foreign Languages
SPECTOR, C., B.SC.(ECON.), A.I.PROD.E., A.M.B.I.M., Economics and Social Science

Music:

CARUS, L., Music

North Centre:

BALL, R. W., M.A., Mathematics and Computer Sciences
BROADBANK, Dr. R. W. C., PH.D., F.R.I.C., Science
EDDEN, D. W., B.SC., F.R.I.C.S., Construction and Surveying
FOX, E. S., M.SC., F.L.A., Librarianship
HOWRIE, A. J., B.A., R.I.B.A., Architecture
LEYLAND, D. G., M.C.D., M.SC., R.I.B.A., M.R.T.P.I., Planning and Landscape
NEWHALL, J. D., B.SC., C.ENG., F.I.E.E., Electrical Engineering
WHITWORTH, R. R., M.SC., C.ENG., F.I.MECH.E., M.I.PROD.E., Mechanical and Production Engineering

Centre for Teacher Education and Training:

HELLAWELL, D. E., M.A., M.ED., M.SC., Educational Studies
HOWLETT, R. F. V., Anstey Dept. of Physical Education
PRICE, E., N.D.D., A.T.D., Art Education
WATKINS, B. R., B.A., Postgraduate Dept.
WAY, J. F., B.A., Edgbaston Dept. for Teacher Education and Training

BRIGHTON POLYTECHNIC

MOULSECOOMB,
BRIGHTON, BN2 4GJ
Telephone: (0273)-67304/9.

Founded 1970.

Constituent Colleges: Brighton College of Art, Brighton College of Technology, Brighton College of Education.

Director: G. R. HALL, B.SC., C.ENG., F.R.I.C., S.F.INST.F.

Deputy Director: J. C. PARKINSON, M.B.E., T.D., B.PHARM., F.R.I.C., F.P.S.

Secretary and Clerk to the Council: G. A. PRINCE, C.ENG., M.I.MECH.E., A.F.R.AE.S., M.I.MAR.E., A.M.B.I.M.

Librarian: C. R. LUTYENS, LL.B., F.L.A.

Library of 65,000 vols.

Number of teachers: 320.

Number of students: 2,200 full-time, 1,400 part-time.

DEANS AND FACULTY CHAIRMEN:

Faculty of Art and Design: R. PLUMMER, A.R.C.A.

Faculty of Education Studies: E. C. RYMAN, M.A.

Faculty of Engineering and Environmental Studies: B. H. VENNING, PH.D., C.ENG., F.I.E.E.

Faculty of Management and Informatics: D. LONGLEY, M.SC.TECH., PH.D., F.I.E.E.

Faculty of Natural and Life Sciences: N. PENTLAND, O.B.E., M.SC., PH.D., C.ENG., F.I.E.E., F.INST.P.

Faculty of Social and Cultural Sciences: D. B. HEATER, B.A.

HEADS OF DEPARTMENTS:

BIRD, JOAN A., B.A., Education (First School)
BLACKLEDGE, A., M.PHIL., A.F.I.M.A., Mathematics
CRAMP, B. G. W., M.A., Community Studies
CROOK, J. M., Three Dimensional Design
DAVIS, D., A.T.D., Educational Studies (art and design)
DONALD, J. D., B.SC., F.R.I.C., Applied Chemistry
GARDNER, K. L., M.A., F.I.M.A., Education (Secondary/F.E.)
HAYNES, R., M.PHIL., Art History
HEATHER, D. B., B.A., Humanities
IRWIN, G., Fine Art (Painting and Sculpture)
KENNY, T. P., B.LITT., F.I.P.M., Business Studies
LEE, F., B.SC.(TECH.), C.ENG., F.I.C.E., Civil Engineering and Building
LOMAX, J. P., M.A.(ARCH.), PH.D., A.R.I.B.A., Architecture and Interior Design
LONGLEY, D., M.SC.(TECH.), PH.D., C.ENG., F.I.E.E., Computing and Cybernetics
LORD, J. V., Visual Communications
MARES, C., M.A., Communication and European Studies
MCVEIGH, J. C., M.A., M.SC., PH.D., C.ENG., F.I.MECH.E., M.I.PROD.E., M.C.I.B.S., Mechanical and Production Engineering
MORRIS, G. S. J., M.A., Education (In-Service)
NUNNS, R. E., M.A., F.C.A., Finance and Accountancy
PARKER, M. S., M.SC., PH.D., M.P.S., M.I.BIOL., Pharmacy
PENTLAND, N., O.B.E., M.SC., PH.D., C.ENG. F.I.E.E., F.INST.P., Applied Physics
QUINN, J., M.PHIL., C.ENG., F.I.PROD.E., M.B.I.M., F.I.W.M., Management and Business Studies
ROSE, P. D., N.D.D., A.T.D., Combined Arts
THOMPSON, B. D., B.A., M.SC., Education (Middle School)
VENNING, B. H., PH.D., C.ENG., F.I.E.E. Electrical and Electronic Engineering

BRISTOL POLYTECHNIC

COLDHARBOUR LANE,
FRENCHAY,
BRISTOL, BS16 1QY
Telephone: (0272) 656261.

Founded 1969.

Director: Dr. WILLIAM BIRCH.

Chief Administrative Officer: C. S. HALL, A.C.I.S.

Academic Registrar: I. MCNAY, B.A., A.M.B.I.M.

Librarian: J. C. HARTAS, B.COM., A.L.A.

Library of 200,000 vols.

Number of teachers: 700.

Number of students: 4,500 full-time and sandwich, 4,100 part-time.

HEADS OF DEPARTMENTS:

Faculty of Accounting, Business and Management:

BOLT, G. J., B.SC.(ECON.), M.A., F.INST.M., M.B.I.M., Business Studies
GILLIES, J. P., F.C.A., F.C.M.A., Accounting and Finance
HAXELL, J. D., B.A., D.M.S., Public Services Management
HAZLEHURST, R., M.SC., C.ENG., M.I.PROD.E., Management Studies
HOLMES, P. W. DE LANCE, B.SC.(ECON.), M.SC., M.B.I.M., South West Regional Management Centre

Faculty of Art and Design:

CHALKER, J. B., A.R.C.A., R.W.A., A.S.I.A., Design
CLEMENTS, J., N.D.D., Graphic Design
LANCASTER, J., N.D.D., A.T.D., D.A.E., F.S.A.E., Art Education (School)
PASCOE, E., D.F.A.(LOND.), F.R.B.S., R.W.A., Fine Art

Faculty of Computing, Mathematics and Science:

CHUDLEY, C. T., PH.D., M.INST.P., F.I.M.A., Computer Studies and Mathematics
GREEN, T., PH.D., C.CHEM., F.R.I.C., M.I.BIOL., Science

Faculty of Education:

KAYE, B. L. B., PH.D., Education Studies
ELLIS, H. B., M.ED., Professional Studies in Education

Faculty of Humanities, Social Science, Languages and Law:

MARSHALL, D. M., M.A., F.I.L., Modern Languages
OLIVER, W. P., M.A., LL.B., Law
TAUBMAN, R., M.A., Humanities
TOZER, W., V.R.D., M.A., B.SC.(ECON.), A.M.B.I.M., Economics and Social Science

Faculty of Technology:

COCKS, F. D., PH.D., C.ENG., M.I.E.E., Engineering
CUSACK, M. M., M.PHIL., M.I.O.B., M.B.I.M., M.I.ENV.SC., Construction and Environmental Health
HUTTON, B. J., B.A., M.SC., M.I.H.E., M.R.T.P.I., Town and Country Planning
SPEDDING, A. H., C.ENG., M.I.STRUCT.E., A.R.I.C.S., A.I.Q.S., Surveying

THE HATFIELD POLYTECHNIC

HATFIELD, HERTFORDSHIRE
Telephone: 30-68100.

Founded 1952 as Hatfield College of Technology, attained present status 1969.

Director: Sir NORMAN LINDOP, M.SC., F.R.I.C.

Library of 100,000 vols.

Number of teachers: 350.

Number of students: 2,700.

DEANS:

School of Engineering: E. L. HOUGHTON, B.SC., C.ENG., M.I.MECH.E., A.F.R.AE.S.

School of Humanities: V. T. OWEN, M.A., B.LITT.

School of Information Sciences: R. W. SHARP, PH.D., A.R.C.S., F.B.C.S.

School of Natural Sciences: W. BOARDMAN, PH.D., M.SC., F.R.I.C., A.R.C.T.S.

School of Social Sciences: J. G. H. NEWFIELD, B.SC.(SOC.).

Centre for Management Studies: P. GRAY LUCAS, M.A.

ATTACHED INSTITUTES:

Hatfield Polytechnic Observatory: Bayfordbury, Hertford, Herts.; f. 1970; teaching of astronomy at all levels and research particularly into aspects of photo-electric and infra-red astronomy; library of 200 vols. and a number of periodicals; Dir. J. C. D. Marsh, M.SC., C.ENG., M.I.E.R.E., F.R.A.S.

National Institute for Careers Education and Counselling: f. 1975 by Careers Research and Advisory Centre and the Polytechnic to advance the development of guidance services in the U.K. through education and training, research and development work.

National Reprographic Centre for Documentation: f. 1967 with a grant from the Office for Scientific and Technical Information (Dept. of Education and Science); govt. support now under British Library; advisory and consultancy service on microform and reprographic systems and techniques; abstracting and information service.

HUDDERSFIELD POLYTECHNIC

QUEENSGATE, HUDDERSFIELD,
W. YORKSHIRE, HD1 3DH

Telephone: 0484-22288.

Founded 1841, formerly Huddersfield College of Technology, attained present status 1970.

Rector: K. J. Durrands, M.SC., C.ENG., F.I.MECH.E., M.I.E.E.

Registrar: M. E. Bond, M.A.

Library of *c.* 240,000 vols.

Number of teachers: 520.

Number of students: 3,350 full-time, 2,500 part-time.

Deans:

Faculty of Arts: H. Robinson, M.ED., PH.D.

Faculty of Business: P. S. Hails, B.SC.(ECON.), F.INST.M., M.B.I.M.

Faculty of Education: F. Barr, B.SC.(ECON.), M.PHIL.

Faculty of Engineering: R. G. Barwick, B.SC., C.ENG., M.I.E.E.

Faculty of Sciences: R. Livingstone, PH.D., C.CHEM., F.R.I.C.

Research: M. S. Burnip, M.SC., PH.D., A.T.I., A.M.S.C.T.

Heads of Departments:

Barwick, R. G., B.SC., C.ENG., M.I.E.E., Systems
Belcher, M. G., N.D.D., F.B.D.S., F.S.I.A.D., Art and Design
Blackburn, Miss N., D.S.DIP. & CERT., F.H.C.I.M.A., Catering Studies
Bullingham, J. M., M.SC., PH.D., Electrical and Electronic Engineering
Burnip, M. S., M.SC., PH.D., A.T.I., A.M.S.C.T., Textile Industries
Davis, D. C., B.A., B.SC.(ECON.), A.C.I.S., Business Studies
Dougherty, L. M., M.SC., M.INST.NAV., F.R.A.S., Physics
Eden, R. A., B.SC., M.I.BIOL., Life Sciences
Flinn, J. W., B.SC., Postgraduate and In-Service F.E. Studies
Forward, A., PH.D., R.I.B.A., F.R.I.A.S., Architecture and Building
Grant, B., B.COM., Pre-Service F.E. Studies
Hails, P. S., B.SC.(ECON.), F.INST.M., M.B.I.M., Management Studies
Hewitt, C. R., M.LITT., M.B.I.M., Extra-Mural Centres
Howlings, N. J. L., M.A., English Studies
Lea, E. C., B.SC.(ECON.), Marketing Studies
Legge, D., PH.D., F.B.PS.C., Behavioural Sciences
Murphy, B., M.SC., A.I.M.T.A., D.M.A., A.M.B.I.M., Accountancy and Professional Studies
O'Connell, J., B.A., History and Political Studies
Paxton, N., M.A., M.LITT., PH.D., Modern Languages
Robinson, H., M.ED., PH.D., Geography and Geology
Shaw, R., B.SC., M.A., C.ENG., F.B.C.S., F.I.M.A., A.F.R.AE.S., Computer Studies and Mathematics
Tittensor, E., PH.D., F.R.I.C., Chemical Sciences
Twigg, E., B.A., F.E. Staff Development
Wales, P., B.SC.(ECON.), M.A., Complementary Studies
White, W., M.SC., PH.D., Physical Education

KINGSTON POLYTECHNIC

PENRHYN RD.,
KINGSTON UPON THAMES,
SURREY, KT1 2EE

Telephone: 01-549-1366.

Founded 1970.

Constituent Colleges: Gipsy Hill College of Education, Kingston College of Art, Kingston College of Technology.

Director: L. E. Lawley, PH.D., F.INST.P.

Deputy Director: A. H. S. Matterson, M.A., D.PHIL.

Registrar: R. B. Hill, M.A., M.SC.

Librarian: (vacant).

Library of 200,000 vols.

Number of teachers: 470.

Number of students: 5,100.

Publications: Prospectuses, *Academic Awards: Research Report* (annual).

Heads of Schools
and Departments:

Berry, D., B.A., DIP.ARCH., F.R.I.B.A., Architecture
Brooker, Mrs. D., A.R.C.A., Fashion
Cobb, C. H., PH.D., Arts and Languages
Coekin, J. A., PH.D., C.ENG., F.I.E.E., Electrical and Electronic Engineering
Daniel, S. S., M.SC.(ECON.), Economics and Politics
Esteve-Coll, Mrs. E. A. L., B.A., A.L.A., Learning Resources
Foley, J., B.ARCH., DIP.C.D., M.R.T.P.I., Planning
Godfrey, R. J., PH.D., Education
Hawes, C. G., B.SC., F.S.S., Mathematics
Lloyd, J. M., B.SC.(ECON)., Business
Lloyd Jones, P., A.R.C.S., PH.D., Three-Dimensional Design
Long, R., PH.D., C.CHEM., F.R.I.C., Chemical and Physical Sciences
Millar, J., A.R.C.A., R.B.A., Fine Art
Morgan, E., B.A., Geography
Potts, C. E., N.D.D., A.S.T.D., F.R.S.A., F.S.I.A. Graphic Design
Reed, D. M., B.SC. (ECON.), M.A., DIP.ECON.POL.SC., Sociology
Renton, B. D., LL.M., PH.D., A.C.I.S., Law
Shand, R., C.ENG., F.I.PROD.E., M.I.MECH.E., M.B.I.M., M.I.Q.A., Management
Simm, D. H., B.SC.(ENG.), C.ENG., F.I.C.E., M.I.W.E.S., Civil Engineering
Smith, M. P., M.A., PH.D., Liberal Studies
White, Mrs. D. P., M.SC., A.R.I.C.S., Surveying
Whitten, D. G., B.SC., A.R.C.S., F.G.S., Geology
Woolvet, G. A., M.TECH., D.I.C., C.ENG., M.I.MECH.E., M.R.AE.S., M.I.E.E., M.INST.M.C., Mechanical Aeronautical and Production Engineering

LANCHESTER POLYTECHNIC

PRIORY ST.,
COVENTRY, CV1 5FB

Telephone: (0203) 24166.

Founded 1970.

Director: G. V. Holroyde, B.SC., A.R.C.O.

Deputy Director: M. E. Foss, PH.D., F.R.I.C.

Assistant Director (Administration): P. D. Heath, M.A.

Librarian: J. Fletcher, M.A., A.L.A.

Library of 165,000 vols.

Number of teachers: 544.

Number of students: 4,203 full-time, 1,610 part-time, total 5,813.

Publication: *Lanchester Polytechnic Research Report 1973–75*†.

Deans:

Faculty of Art and Design: D. C. Broadhead, A.R.C.A., A.S.I.A.

Faculty of Engineering: W. B. Palmer, M.A., PH.D., F.I.MECH.E.

Faculty of Applied Science: G. R. Braithwaite, M.SC., F.S.S., F.I.M.A. (acting).

Faculty of Social Science: H. Heisler, B.SC.(ECON.), PH.D.

Heads of Departments:

Faculty of Art and Design:

- Brickwood, A., M.DES.R.C.A., Industrial Design
- Harrison, A. E., M.I.S.A., M.S.T.D., Graphic Design
- Phillips, D., LL.B., L.G.S.M., F.R.S.A., Art History and Communication
- Saxton, C., D.F.A., Art
- Stair, N., B.A., Centre for Media Studies

Faculty of Engineering:

- Aston, R. L., F.I.MECH.E., F.I.PROD.E., F.G.S., Production Engineering
- Bellamy, N. W., PH.D., M.I.E.E., Electrical and Electronic Engineering (Coventry)
- Harvey, S. J., PH.D., M.I.MECH.E., Combined Engineering
- Stringer, P. E., PH.D., M.I.E.E., Systems and Control (Rugby)
- Walker, H. E., M.ENG., F.I.C.E., F.I.MUN.E., F.I.O.B., Civil Engineering and Building
- Wallis, J. D., M.A., S.M., F.I.MECH.E., MEM.A.S.M.E., Mechanical Engineering (Coventry)

Faculty of Applied Science:

- Caulfield, P. B., M.SC., F.S.S., Statistics and Operational Research (acting)
- Cooper, R., M.A., D.PHIL., M.I.BIOL., Biological Studies

Haidon, E. E. J., b.sc., Computer Science (Rugby)
Oubridge, J. O. V., ph.d., f.r.i.c., Chemistry and Metallurgy
Randall, R. F. Y., ph.d., f.inst.p., Applied Sciences
Smith, D. E., Geography
Wallace, D. A. T., b.sc., m.a., f.i.m.a., Mathematics
Ward, L., m.sc., ph.d., f.inst.p., Applied Physics

Faculty of Social Science:
Furley, O. W., m.a., b.litt., Politics and History
Grant, J. P., b.sc., m.a., Business Studies (acting)
Holliday, J. C., b.a., m.t.p.i., f.i.l.a., Urban and Regional Planning
Hurren, H. A., m.a., b.phil., Language Studies
Junod, Miss V., m.a., Applied Social Studies
Nabiel, E., m.a.(pol.sc.), ph.d., d.sc.(econ.), Economics
Nicol, B. N., m.a., ph.d., m.i.p.m., Management Studies
Royall, D. V. E., m.a., ll.b., Legal Studies

LEEDS POLYTECHNIC

CALVERLEY ST.,
LEEDS, LS1 3HE

Telephone: (0532) 462904.

Founded 1970.

***Director:* P. J. Nuttgens, m.a., ph.d., a.r.i.b.a.**

Head of Administration: A. J. H. Hamblin, ph.d., c.chem., m.r.i.c., m.b.i.m.

***Librarian:* J. H. Flint, f.l.a.**

Library of 300,000 vols.

Number of teachers: 735 full-time, 400 part-time.

Number of students: 5,000 full-time, 5,000 part-time.

Heads of Schools:

Accounting and Applied Economics: R. J. Bull, b.sc.(econ.), a.c.c.a.
Architecture and Landscape: W. Bradshaw, dip.arch., f.r.i.b.a.
Carnegie School of Physical Education and Human Movement Studies: C. E. Bond, m.ed., d.l.c.
Constructional Studies: G. A. Grant, b.sc.tech., c.eng., f.i.c.e., f.i.mun.e., f.i.o.b.
Creative Arts and Design: F. Rubner, f.s.i.a.
Education: A. Nicholas, m.a., f.i.l., bar.-at-law.
Electrical Engineering: J. Hutchinson, m.sc.(eng.), c.eng., m.i.e.e.
Health and Applied Science: K. R. Fell, ph.d., f.p.s., m.i.biol.
Home and Institutional Studies: R. Benson, dip.tex.ind., a.m.b.i.m., m.h.c.i.m.a.
Humanities and Contemporary Studies: A. McGregor, b.a.
International Studies: B. Woodman, ph.d., f.i.l.
Law: J. F. Myers, m.a., ll.b., bar.-at-law.
Librarianship: D. Davinson, b.sc. (econ.), d.p.a., f.l.a.
Management and Business Studies: J. J. Kiely.
Mathematics and Computing: J. Kiely, m.sc., f.i.m.a.
Mechanical and Production Engineering: R. E. Schofield, m.sc., ph.d., c.eng., m.i.mech.e., f.i.prod.e., a.m.c.s.t.
Social Studies: J. Haggett, ll.b., a.a.p.s.w.
Town Planning: R. Mordey, m.c.d., m.r.t.p.i.

LEICESTER POLYTECHNIC

P.O.B. 143, LEICESTER, LE1 9BH

Telephone: (0533) 50181.

Founded 1969.

Director: D. P. Bethel, a.r.w.a., a.t.d., f.s.a.e., a.s.i.a.(ed.).

***Chief Administrative Officer:* R. E. James, b.sc.(econ.), a.c.i.s.**

Librarian: S. R. Gadsden, m.l.s., a.l.a.

Number of teachers: 600.

Number of students: 5,000 full-time, 3,000 part-time.

Deans:

Faculty of Art and Design: A. W. Hodge, des.r.c.a., m.s.i.a.d.
Faculty of Business: F. A. Mee, b.sc., c.eng., m.i.mech.e., f.i.prod.e., m.b.i.m.
Faculty of Education, Humanities and Social Science: C. A. Crook, m.a.
Faculty of Science: Jeanne M. Thompson, ph.d.
Faculty of Technology and Construction: D. J. Picken, m.a., ph.d., c.eng., f.i.mech.e., m.i.prod.e.

Heads of Schools and Departments:

Faculty of Art and Design:
Best, G., a.r.c.a., f.r.s.a., Fashion and Textile Design
Hodge, A. W., des.r.c.a., m.s.i.a.d., Industrial Design
Karo, J., f.s.i.a.d., Graphics
Pountney, A., a.r.c.a., Fine Art
Stewart, M., m.a., Art History
Witts, N., b.a., Expressive Arts

Faculty of Business:
Clark, A., ll.b., bar.-at-law, a.c.i.s., Law
John, D. E., b.a., b.com., a.m.b.i.m., Economics and Accounting
Mee, F. A., b.sc., c.eng., m.i.mech.e., f.i.prod.e., m.b.i.m., Management

Faculty of Education, Humanities and Social Science:
Bartlett, F. W., b.a., Social and Community Studies
Hiorns, J. N., b.a., Humanities
Sharpe, W., Physical Education
Wood, D. M., m.a., m.ed., Education

Faculty of Science:
Barlow, E. G., l.c.s.t., Speech Pathology
Newcombe, F., ph.d., a.r.c.s.t., m.i.biol., m.p.s., Pharmacy
Palmer, R. W., ph.d., m.inst.p., Physics
Pollock, J. M., ph.d., d.i.c., f.r.i.c., Chemistry
Thompson, J. M., ph.d., Life Sciences

Faculty of Technology and Construction:
Farmer, B., m.a., d.a., r.i.b.a., Architecture
McKay, J., b.sc., c.eng., m.i.e.e., Electronic and Electrical Engineering
Picken, D. J., m.a., ph.d., c.eng., f.i.mech.e., m.i.prod.e., Mechanical and Production Engineering
Tindall, K., r.i.b.a., f.r.i.c.s., a.i.a.a. & s., Building, Surveying and Land Economy
Wignall, H., m.sc., ph.d., f.t.i., f.c.i., c.g.i.a., Textile and Knitwear Technology

LIVERPOOL POLYTECHNIC

RICHMOND HOUSE,
RUMFORD PLACE,
LIVERPOOL, L3 9RH

Telephone: (051)-227-5581

Founded 1970.

***Rector:* Gerald Bulmer, m.a., ph.d., c.chem., f.r.i.c.**

Senior Administrative Officer: **Hugh Begley, d.m.a., f.c.i.s.**

Academic Registrar: J. M. Charles, m.a.

Number of teachers: 630 full-time.

Number of students: 4,460 full-time and sandwich; 500 short full-time, 3,020 part-time.

Faculties of: Construction; Engineering; Science; Art and Design; Business and Management Studies; Humanities and Social Studies; Education and Community Studies.

POLYTECHNIC OF CENTRAL LONDON

309 REGENT ST.,
LONDON, W1R 8AL

Telephone: (01)-580-2020.

Founded 1970.

Rector: Dr. Colin Adamson, m.sc. **(eng.), d.sc., c.eng., f.i.e.e.**

***Secretary and Chief Administrative Officer:* H. G. Jelf, c.b.e., m.a.**

Librarian: Prof. W. Ashworth, b.sc., f.l.a., f.inf.sc., a.r.p.s., dip.lib.

Library of 150,000 vols.

Number of students: 3,747 full-time, 7,902 part-time, 9,455 short course.

Deans:

School of Communication: M. Austin, b.a.
School of Engineering and Science: M. Semple.
School of the Environment: D. Broodbank, dip.arch., r.i.b.a.
School of Languages: Prof. P. P. Newmark.
School of Law: M. A. Commons.
School of Management Studies: R. S. Gandy.

School of the Social Sciences and Business Studies: M. G. VEXTER.
Sidney Webb School of Education: C. S. GRIFFITHS, B.A.
London Regional Management Centre: Prof. K. ALAN-SMITH, B.A. (Dir.).

CITY OF LONDON POLYTECHNIC

117/119 HOUNDSDITCH,
LONDON, EC3A 7BU
Telephone: (01)-283 1030.
Founded 1970.

Provost: ARTHUR SUDDABY, M.SC., PH.D., C.CHEM., M.R.I.C., C.ENG., M.I.CHEM.E.
Chief Administrative Officer: PETER BURRELL, I.P.F.A., A.M.B.I.M.
Chief Librarian: Mrs. R. PANKHURST, M.A., A.L.A.

Number of teachers: 400 full-time, 500 part-time.

Number of students: 15,000.

Publications: *Guides to Courses*† (annually); *Report* (annually), *Research Review*† (irregularly).

HEADS OF DEPARTMENTS:

School of Business Studies:
HARVEY, M., M.SC., F.R.S.A., A.C.C.A., A.C.I.S., Accountancy and Taxation
OLIVER, Lady, M.A., BARR., Law
POWELL, W. R., B.A., F.R.G.S., Modern Languages
STEBBINGS, W. H., F.C.I.S., F.C.I.T., Transport and Insurance
TOFT, K. S., M.SC.(ECON.), A.I.B., Economics and Banking

School of Science and Technology:
BALANESCU, I. N., M.A., PH.D., Psychology
GODDARD, J., PH.D., A.R.C.S., D.I.C., F.INST.P., Physics
MORRIS, K. M. L., N.D.A., M.SC., PH.D., Biological Sciences
SHREIR, L. L., PH.D., C.CHEM., F.R.I.C., F.I.M., F.I.CORR.T., Metallurgy and Materials
SKELHORN, R. R., PH.D., F.G.S., Geology and Geography
SPAIN, B., M.A., M.SC., PH.D., F.I.M.A., Mathematics and Statistics
WILSON, D. W., M.SC., F.R.I.C., Chemistry

School of Art:
HUNTLEY, D. W., F.R.B.S., N.D.D., A.T.C., Head of School
WARD, A. D., N.D.D., A.T.D., M.S.C.D., Silversmithing, Jewellery and Allied Crafts

School of Navigation:
(Vacant)

THE POLYTECHNIC OF NORTH LONDON

HOLLOWAY, LONDON, N7 8DB.
Telephone: (01)-607-2789.
Founded 1971.

Departments at: Holloway Rd., London, N.7; Essex Rd., London, N.1; Highbury Grove, London, N.5; Kentish Town, N.W.5.

Director: T. G. MILLER, T.D., M.A.
Secretary: P. KNIGHT, F.C.I.S.
Academic Registrar: R. F. HALL, B.SC.
Librarian: S. FRANCIS, F.L.A.

Library of over 150,000 vols.

Number of teachers: 500.

Number of students: 5,500, full- and part-time.

HEADS OF DEPARTMENTS:

BARTON, Dr. J. C., Physics
BRANDON, Dr. P., Geography
BROWN, J. L., Accounting and Administrative Studies
CHAMPNESS, C. J., Law
CLARK, C. R., Business Studies
DUDLEY, E. P., Librarianship
ETHERINGTON, D., Biology and Geology
GLAZER, Dr. J., National College of Rubber Technology
JAMES, R., Extension Studies
JONES, S., Teaching Studies
MEADOWS, R. G., Electronic and Communications Engineering
NUTKINS, Dr. M. A. E., Mathematics
O'HARA MAY, J., Food Sciences
OWSTON, Dr. P. G., Chemistry
PARRY, N. C., Sociology
QUANTRILL, M., Environmental Design
ROSETTI, V., Language and Literature
SNELLING, J. M., Applied Social Studies
TONKS, P., Management Studies

NORTH EAST LONDON POLYTECHNIC

ROMFORD RD., STRATFORD,
LONDON, E15 4LZ
Telephone: (01)-555-0811.
Founded 1970.

Organized in three precincts: West Ham Precinct, Romford Rd., Stratford, London, E15 4LZ; Waltham Forest Precinct, Forest Rd., Walthamstow, London, E17 4JB; Barking Precinct, Longbridge Rd., Dagenham, Essex, RM8 2AS; and in the Anglian Regional Management Centre, Danbury Park, Danbury, nr. Chelmsford, Essex, CM3 4AT.

Director: Dr. G. S. BROSAN, T.D., PH.D., C.ENG., F.I.E.E., F.I.PROD.E., F.I.M.A.
Chief Administrative Officer: C. MILNER, M.PHIL., A.M.B.I.M., A.M.I.P.M., M.I.T.O.
Librarian: P. W. PLUMB, J.P., F.L.A.

Library of 300,000 vols. and over 300 current periodicals. Also houses the library of the former National Institute of Industrial Psychology.

Number of teachers: *c.* 700 full-time.

Number of students: 3,900 full-time and 3,100 part-time.

DEANS:

Faculty of Arts: L. S. CRICKMORE.
Faculty of Art and Design: P. J. BOURNE.
Faculty of Business: A. HALE.
Faculty of Engineering: J. E. PROCTOR.
Faculty of Environmental Studies: W. W. FOY.
Faculty of Human Sciences: Dr. J. RADFORD.
Faculty of Science: Dr. G. E. BEEDHAM.
Anglian School of Management: B. A. LITTLEWOOD.
School for Independent Study: T. BURGESS.

HEADS OF DEPARTMENTS:

ACKROYD, G. F., Mechanical Engineering (B).
AL NAIB, S. K., Civil Engineering (W.F.)
BEEDHAM, G. E., Biology (W.H.)
BOADLE, A. J., Management Development (A.R.M.C.)
CASSELL, J. B., Chemical Engineering (B.)
CAUSON, A. C., Computing Services (W.F.)
CHADWICK, G. F., Education (B.)
CRICKMORE, L. S., Humanities (B.)
DAVIES, J. L., Management (Public Services) (A.R.M.C.)
DYE, P., Science Degree Course (W.H.)
FRITH, N. L., Architecture (W.F.)
HALE, A., Systems and Computing (B).
HARGREAVES, M. K., Chemistry (W.H.)
HILL, S. F., Services to Industry (A.M.R.C.)
HOLLWEY, J. R., Land Surveying (W.F.)
JACKSON, S. A., Production Engineering (B.)
JONES, R., Health and Social Studies (W.H.)
LICHTENSTEIN, E. A., Law (B.)
LOWNDES, R., Manpower Studies (A.R.M.C.)
MOSERT, H., Accounting and Finance (B.)
NEVILLE, J. E., Paramedical Sciences (W.H.)
OVERALL, J. R., General Surveying and Construction (W.F.)
PEPPER, J. V., Mathematics (W.H.)
PLANT, J., Business Studies (B.) (acting)
POWNEY, J., Education (B.)
PRESTON, A. E., Dean of Students (B.)
REICH, B., Psychology (W.H.)
RUSTIN, M., Sociology (W.H.)
SALMON, M. J., Applied Economic Studies (B.)
SIM, A. C., Electrical Engineering (B.)
WHITEREAD, T., Humanities (B.)
WRIGHT, G., Applied Physics (W.H.)

MANCHESTER POLYTECHNIC

ALL SAINTS BUILDING,
ALL SAINTS,
MANCHESTER, M15 6BH
Telephone: 061-228-6171.
Founded 1970.

Director: Sir ALEX SMITH, M.A., PH.D.
Deputy Director: J. H. HOLDEN, A.R.C.A., A.T.D., F.S.A.E., A.S.I.A.
Associate Director: D. HAMER, PH.D., F.R.I.C., F.I.R.I., F.R.S.A.
Dean of Studies: F. R. HOLTERMAN, A.R.C.A., F.R.S.A.
Secretary: R. O. YEO, B.A.
Librarian: I. ROGERSON, A.L.A.

Number of teachers: *c.* 1,000.

Number of students: 5,700 full-time, 1,600 sandwich, 5,500 part-time.

Degree, diploma and professional courses in numerous subjects.

DEANS:

Art and Design: (vacant).
Community Studies: K. GREEN, M.A.
Humanities: P. ASPINALL, B.A.
Management and Business: J. H. HEPBURN, B.SC., F.B.C.S., M.B.I.M.

John Dalton Faculty of Technology: P. R. FALKNER, M.A., C.CHEM., F.R.I.C.

Hollings Faculty: L. AMBERY, B.A.

EXTRA FACULTY UNITS:

Law: S. B. MARSH, J.P., B.COM., LL.B., PH.D., BARR.-AT-LAW.

Staff Development and Educational Methods Units: B. HOLLINSHEAD, B.SC., M.I.BIOL.

Institute of Advanced Studies: J. LANGRISH, M.SC., PH.D.

MIDDLESEX POLYTECHNIC

ADMISSIONS OFFICE,
114 CHASE SIDE, SOUTHGATE,
LONDON, N14 5PN

Designated 1973; comprises the former Enfield and Hendon Colleges of Technology, Hornsey College of Art, New College of Speech and Drama, Trent Park College of Education and the College of All Saints.

Director: R. M. W. RICKETT, PH.D., F.R.I.C.

Deputy Director: M. M. EDWARDS, PH.D., M.B.I.M.

Secretary: R. P. HORNUNG, M.A.

Academic Registrar: J. R. C. WILKINSON, B.ENG.

Head of Library Services: J. COWLEY, B.A., F.L.A.

DEANS:

Art and Design: J. REID, A.R.I.B.A., F.S.I.A., F.I.E.S.

Education and Performing Arts: A. D. GRADY, M.A., PH.D.

Engineering, Science and Mathematics: J. OSBORNE-MOSS, B.SC.(ENG.), C.ENG., F.I.MECH.E.

Humanities: B. V. E. JONES, M.A., PH.D.

Social Science: A. J. HOLT, B.A.(PHIL.), B.A.(SOC.).

NEWCASTLE UPON TYNE POLYTECHNIC

ELLISON BUILDING,
ELLISON PLACE,
NEWCASTLE UPON TYNE,
NE1 8ST

Telephone: (0632)-26002.

Founded 1969.

Constituent Colleges: Newcastle upon Tyne College of Education, Municipal College of Commerce, Newcastle upon Tyne College of Art and Industrial Design, Rutherford College of Technology, Northern Counties College of Education.

Director: LAING BARDEN, PH.D., D.SC.
Chief Administrative Officer: R. HOPKINSON, B.SC.
Librarian: K. G. E. HARRIS, M.A., F.L.A.

Library of 400,000 vols.

Number of teachers: 719 (full-time).
Number of students: 4,950 full-time, 4,100 part-time.

HEADS OF DEPARTMENTS:

Faculty of Art and Design:
- BROMLY, Mrs. M., A.T.D., A.S.I.A., Fashion and Clothing Technology
- BROMLY, T., A.T.D., Fine Art
- EVANS, G. J., A.T.D., F.R.S.A., M.S.I.A., Industrial Design
- SLADE, J., M.SC., A.R.C.A., A.S.I.A., Graphic Design

Faculty of Business amd Managemen Studies:
- BROWNLEE, G. L., M.SC., A.C.C.A., Accountancy
- MITCHELL, G., B.A., M.B.I.M., F.R.S.A., Administrative and Management Studies
- PURVIS, R. L., LL.B., Law
- TEMPLETON, R. H., B.SC.(ECON.), LL.M., M.ED., Economics

Faculty of Community and Social Studies:
- KING, A. R., PH.D., Behavioural Studies
- NISBETT, A., Social Work
- SMITH, Miss S. B., B.A., S.R.N., S.C.M., Health Studies

Faculty of Education and Librarianship:
- CALDWELL, W., F.L.A., Librarianship
- CORNISH, M., M.A., Teaching Studies
- GIBBON, Miss V., B.A., N.F.F., Dean of Education Studies
- MURPHY, F., M.A., Education Studies
- SNOWDEN, R. L., B.A., M.ED., Dean of Teacher Education
- TODD, A., B.SC., M.I.BIOL., Home Economics

Faculty of Humanities:
- COLLERTON, J., B.A., Humanities
- HUBSCH, P., M.A., Modern Languages

Faculty of Science and Technology:
- GIBSON, R., M.SC., PH.D., Mathematics, Statistics and Computing
- HALLETT, L. H. W., M.A., B.SC., F.R.I.C., M.I.CORR.T., Chemistry
- NEEDHAM, G., M.SC.TECH., PH.D., C.ENG., M.I.MECH.E., A.M.C.T., Mechanical Engineering
- RENDALL, G. C., B.SC.(ENG.), M.I.C.E., Surveying and Construction
- WALWYN-JAMES, D. H., M.A., M.SC., D.PHIL., C.ENG., M.R.AE.S., C.CHEM., F.P.R.I., F.R.I.C., Materials Science

OXFORD POLYTECHNIC

GYPSY LANE, HEADINGTON,
OXFORD, OX3 0BP

Telephone: (0865)-64777.

Founded 1970, formerly Oxford College of technology; amalgamated with Lady Spencer Churchill College of Education 1976.

Director: BRIAN LLOYD, M.A., D.SC.
Deputy Director: B. L. TONGE, PH.D., C.CHEM., F.R.I.C., A.M.B.I.M.
Registrar: M. C. CLERICI, M.B.E., M.A., F.C.I.S.
Librarian: (vacant).

Library of 115,000 vols.

Number of teachers: 411.
Number of students: 3,000 full-time, 1,000 part-time.

DEANS:

Faculty of Architecture and Planning: (vacant).
Faculty of Educational Studies: J. H. KENNEDY, M.A.
Faculty of Technology: P. GODDARD, M.SC., C.ENG., M.I.C.E., M.I.STRUCT.E., F.I.O.B.
Faculty of Modern Studies: C. A. HORN, PH.D., M.SC., LL.B., M.B.I.M., F.C.I.S., F.O.W.S.O.M.

PLYMOUTH POLYTECHNIC

DRAKE CIRCUS,
PLYMOUTH, PL4 8AA

Telephone: (0752)-21312.

Founded 1970.

Director: R. F. ROBBINS, PH.D., C.CHEM., F.R.I.C.
Deputy Directors: I. C. CANNON, PH.D.; Capt. G. R. HUGHES, M.B.E., M.C.INST.T., F.N.I.
Chief Administrative Officer: R. G. BARKER, M.A.
Head of Learning Resources Centre: Miss M. LATTIMORE, M.A., F.L.A.

Number of staff: 325.
Number of students: 3,000 full-time, 1,800 part-time.

Publications: *Annual Report*†, Prospectuses.

HEADS OF SCHOOLS:

Architecture: T. MATOFF, D.ARCH., R.I.B.A.
Behavioural and Social Science: G. PAYNE, M.A.
Electrical Engineering: B. R. WEBSTER, B.SC.(ENG.), C.ENG., F.I.E.E., F.I.E.R.E.
Engineering Science: D. R. S. RABLEY, B.SC.(ENG.), C.ENG., F.I.MECH.E., F.I.MAR.E., M.I.PROD.E., M.B.I.M.
Environmental Science: L. A. F. HEATH, PH.D., F.I.BIOL., M.I.ENV.SC.
Management and Business Studies: R. FROST, B.A.(ECON.), M.B.A.
Maritime Studies: D. H. MOREBY, PH.D., M.N.I.
Mathematical Sciences: C. M. GILLETT, J.P., PH.D., M.INST.P., C.ENG., M.I.E.E.

PORTSMOUTH POLYTECHNIC

MUSEUM RD.,
PORTSMOUTH, PO1 2QQ

Telephone: (0705)-27681.

Founded 1870 as Portsmouth School of Science and Art.

President: W. DAVEY, C.B.E., PH.D., F.R.I.C.
Deputy President: R. PARKER, PH.D., F.INST.P.
Vice-President: D. J. WILLIAMS, B.SC., M.A., A.K.C.
Registrar: P. R. GIBSON, M.A.
Librarian: W. G. GALE, B.A., A.L.A.

Library of 350,000 vols.
Number of teachers: 700.
Number of students: 5,424 full-time and sandwich, 629 part-time.

Heads of Departments, Faculties and Schools:

Broadbent, G. H., B.A.(ARCH.), A.R.I.B.A., Architecture
Cahm, E. S. H., B.A., Languages and Area Studies
Chandler, D. C., PH.D., W.SCH., C.ENG., F.I.MECH.E., Mechanical Engineering and Naval Architecture
Dellow, F., M.PHIL., C.ENG., F.I.E.E., Electronic and Electrical Engineering
Etherington, P., B.SC.(ENG.), C.ENG., F.I.C.E., F.I.MUN.E., M.INST.H.E., Civil Engineering
Griffin, J. W., PH.D., C.CHEM., F.R.I.C., Chemistry and Geology
Haskell, P. S., M.B.E., M.SC., PH.D., Mathematics
Hibbert, F. A., M.A., PH.D., Biological Sciences
Hyman, S., PH.D., F.C.I.S., M.B.I.M., Management Studies
Lort, J. B., F.R.I.C.S., Surveying
Millard, G. C., M.A., PH.D., Historical and Literary Studies
Mills, P. F., B.A., M.SC., F.I.M.A., Computing Centre
Perks, F., PH.D., F.P.S., C.CHEM., F.R.I.C., D.B.A., Pharmacy
Podolski, T. M., M.COM., PH.D., Economics
Rawkins T. H., B.A., M.I.B.G., Geography
Rolls, I. F., M.A.(ED.), A.R.C.S., M.INST.P., Educational Studies
Scane, J. G., M.SC., F.INST.P., Physics
Vail, J. R., M.SC., PH.D., D.SC., C.ENG., F.I.M.M., F.G.S., Geology
Williams, T., M.SC.(ECON.), Social Studies

PRESTON POLYTECHNIC

CORPORATION ST.,
PRESTON, PR1 2TQ
Telephone: (0772)-51831.

Founded 1956 as Harris College, 1973 as Preston Polytechnic.

Director: H. D. Law, PH.D., F.R.I.C.
Deputy Director: S. Skidmore, PH.D., F.R.I.C.
Chief Administrative Officer: T. G. Goodwin, M.A.
Librarian: J. R. Edgar, M.A.

Number of teachers: 498.
Number of students: 2,374 full-time, 2,588 part-time.

Publications: prospectus of full-time courses†, prospectus of part-time courses†.

Deans:

School of Art and Design: T. Metcalfe, A.R.C.A., A.S.I.A.
School of Business and Administration: B. G. Booth, M.TECH., F.S.S.
School of Education and Humanities: A. B. Butterworth, M.ED., N.F.F.
School of Management: E. K. Langham, B.SC.(ECON.), C.ENG., M.I.MECH.E., F.I.PROD.E.
School of Science and Technology: J. J. Betts, PH.D., C.CHEM., F.R.I.C.
School of Social Studies: M. North, M.SC.(ECON.), PH.D.

SHEFFIELD CITY POLYTECHNIC

POND ST., SHEFFIELD S1 1WB
Telephone: (0742)-20911.

Founded 1969.

Constituent Colleges: Sheffield Polytechnic, Sheffield City College of Education, Totley-Thornbridge College of Education, Lady Mabel College of Education.

Academic Year: September to June.

Principal: Rev. G. Tolley, M.SC., PH.D., F.R.I.C.

Deputy Principal: D. Thacker, B.SC., F.I.M.

Assistant Principal (Personnel): Sir John Rowlands, G.C., K.B.E., B.SC., C.ENG., F.R.AE.S., M.INST.P.

Secretary: A. M. Davis, B.A.

Librarian: D. T. Lewis, A.L.A.

Library of 390,000 vols.
Number of teachers: 726.
Number of students: 5,699 full-time.

Deans:

Faculty of Art and Design: J. M. Townley, D.F.A., A.T.D., A.R.E.

Faculty of Business and Management Studies: E. G. Wood, B.COM., M.I.M.C., M.B.I.M.

Faculty of Social Studies: R. V. Bailey, B.A.

Faculty of Education: G. Q. Craig, M.A.

Faculty of Humanities: J. Salt, M.A.

Faculty of Engineering: D. Abraham, M.SC., C.ENG., F.I.E.E., M.F.R.AE.S.

Faculty of Science: W. G. Gilchrist, M.SC., PH.D., A.R.C.S., F.S.S., F.I.M.A., F.I.S.

Heads of Departments:

Faculty of Art and Design:
Boswell, A., M.A., Communication Arts
Brighton, J. T., M.A., History of Art
Crowther, R., N.D.D., A.T.D., D.A.S.E., Craft Studies
Macdonald, B., B.A., Plastic Arts
Townley, J., D.F.A., A.T.D., A.R.E., Painting and Printmaking
Tyssen, J. K., DES.R.C.A., Three-Dimensional Design

Faculty of Business and Management Studies:
Fowler, A. H., B.A.(ECON.), M.PHIL., Economics and Business Studies (acting)
Gladwell, D. C., M.A., F.R.S.A., F.H.C.I.M.A., Hotel Catering Studies and Home Economics
Lewis, A. L., B.SC.(ECON.), Management Studies
Wilmott, R. A., B.SC.(ECON.), A.C.I.S., Accounting and Company Administration
Wood, E. G., B.COM., M.I.M.C., M.B.I.M., Director, Sheffield Centre for Innovation and Productivity

Faculty of Social Studies:
Bailey, R. V., B.A., Applied Social Studies
Challinor, J., S.R.N., S.C.M., Health Studies
Haigh, R. A., B.SC.(ECON.), M.A., Political Studies
Hedden, R. E., M.A., PH.D., Geography and Environmental Studies
Leaker, A. M. D., B.SC., M.A., DIP.T.P., F.R.I.C.S., M.R.T.P.I., A.I.H.M., A.M.B.I.M., Urban and Regional Studies

Faculty of Education:
Alderson, G. J. K., M.A., PH.D., Human Movement Studies
Carlson, B., M.A., Education Studies
Craig, G. Q., M.A., Professional Studies
Hudson, H., M.B.E., B.COM., Education Services
Jones, A. F., M.ED., Physical Education
Watson, L. E., M.A., Education Management and In-Service Education

Faculty of Humanities:
Absalom, R. N. L., B.A., F.I.L., Modern Languages
Ainsworth, M., M.A., English
Bunting, J., B.A., M.ED., L.R.A.M., A.R.C.M., L.T.C.L., Section of Music
Cashdan, A., M.A., M.ED., F.B.PS.S., Communication Studies
Russell, Rev. E., M.A., B.D., Section of Religious Studies
Salt, J., M.A., History

Faculty of Engineering:
Abraham, D., M.SC., C.ENG., F.I.E.E., M.F.R.AE.S., Electrical and Electronic Engineering
Bardsley, O., M.A., M.SC., C.ENG., M.R.F.AE.S., Mechanical and Production Engineering
Fulwood, A. F., B.SC., C.ENG., F.I.C.E., F.I.STRUCT.E., F.I.O.B., Civil Engineering and Building
Waterworth, H. W., M.A., A.R.I.C.S., F.I.O.B., A.I.Q.S.

Faculty of Science:
Davies, D. A., PH.D., F.INST.P., Applied Physics
Draffan, I., M.SC., M.B.C.S., M.D.P.M.A., Computer Studies
Gilchrist, W. G., M.SC., PH.D., A.R.C.S., F.S.S., F.I.M.A., Mathematics and Statistics
Goldstein, M., PH.D., C.CHEM., F.R.I.C., Chemistry
Hills, A. W. D., M.A., PH.D., D.I.C., M.I.M.M., C.ENG., F.I.M., Metallurgy

POLYTECHNIC OF THE SOUTH BANK

BOROUGH RD., LONDON,
SE1 OAA.
Telephone: (01)-928-8989.

Founded 1971.

Academic year: September to July.

Director: V. Pereira Mendoza, M.SC. TECH., C.ENG., F.I.E.E.

Academic Registrar: D. Foster, D.L.C., M.ED.

Librarian: G. J. Broadis, M.A.

Library of 269,000 vols.
Number of teachers: 600.
Number of students: 4,047 full-time, 3,626 part-time.

Publication: *Prospectus*† (annually).

Deans:

Faculty of Administrative Studies: K. C. Counter.

Faculty of Science and Engineering: Dr. B. E. Weller.

Faculty of Built Environment: M. Smith.

Faculty of Education, Human and Social Studies: A. J. Bellamy.

Heads of Departments:

Faculty of Administrative Studies:
Haworth, C. H., Languages
LeGeach, Mrs. E., Business Studies
Walters, B., Management and Administration
Watson, C. H., Accountancy and Finance
Weaver, P. M., Law

Faculty of Science and Engineering:
Crook, M. A., Polymer Science and Technology
Douglas, Dr. J. F., Mechanical and Production Engineering
Dubbey, Dr. J. M., Mathematical Sciences and Computing
Kaposi, Dr. A., Electrical and Electronic Engineering
Kidman, F. G., National Bakery School
Randall, Dr. D. D., Physics
Roselaar, Dr. L. C., Chemistry
Weller, Dr. B. E., Physical Science and Technology
Winward, Dr. A., Chemical Engineering
Wix, Dr. P., Applied Biology and Food Science

Faculty of Built Environment:
Chong, C. V. Y., Construction Science and Materials
Haenlein, H., Architecture
Lane, S. J., Building Economics
McConnell, R. S., Town Planning
Ratcliffe, J., Estate Management
Scott, Dr. D. R., Environmental Science and Technology
Slaney, J. R., Civil and Structural Engineering
Webb, R. T., Construction Mathematics
Wilder, L., Building Administration

Faculty of Education, Human and Social Studies:
Crowther, M. H., Home Economics
McGinty, D. A., Professional Education Studies
Newman, Dr. O., Social Sciences
Owen, G., Nursing and Community Health Studies
Tyas, J. G. M., Humanities and Education
Wisker, A., Arts

NORTH STAFFORDSHIRE POLYTECHNIC

BEACONSIDE, STAFFORD

Telephone: (0785)-52331.

Founded 1970.

Director: J. F. Dickenson, PH.D., C.ENG., F.I.MECH.E.

Deputy Directors: W. E. Lewis, PH.D., C.ENG., M.I.E.E., R. S. Paradise, B.SC.(ENG.), C.ENG., F.I.MECH.E., K. B. Thompson, M.A., M.ED.

Secretary and Chief Administrative Officer: H. C. Johnstone, M.A.

Academic Registrar: R. A. Bott, B.SC.(ECON.), D.M.A.

Librarian: E. S. Waterson, M.A., F.L.A.

Number of teachers: 418.

Number of students: 2,600 full-time, 2,200 part-time.

Heads of Departments:

Ceramic Technology: G. J. Gittens, PH.D., A.R.I.C.

Chemistry: W. K. Wilde, M.SC., F.R.I.C.

Physics: J. B. Williams, M.SC., F.INST.P., M.I.NUC.E.

Art History and Complementary Studies: Mrs. F. I. Petrie, B.A.

Fine Art: C. Melbourne, A.R.C.A., F.R.S.A.

Graphic Design and Printing: C. Swann, F.S.I.A.

Three-Dimensional Design (Ceramics): K. E. W. Wright, A.T.D., M.S.I.A.

Business and Legal Studies: A. D. Ramsay, B.COM., DIP.COM., M.B.I.M.

Economics: J. L. Bridge, PH.D.

Management Studies: A. J. H. Kitley, D.M.S., A.M.B.I.M., A.M.I.P.M.

Humanities: J. K. Shelton, M.A., PH.D., DIP.ED., A.T.C.M.

International Relations and Politics: A. E. Thorndike, M.SC.

Geography and Sociology: G. Kay, M.A., PH.D., F.R.G.S.

Electrical and Electronic Engineering: G. F. A. Hoffman de Visme, M.SC.(TECH.), PH.D., M.I.E.E.

Mechanical and Civil Engineering: E. Jackson, M.SC.(TECH.), C.ENG., M.I.MECH.E.

Mining Engineering: T. Brereton, PH.D., C.ENG., M.I.MIN.E., M.I.M.M., M.INST.F.

Bio-Medical Engineering Unit: O. F. Phoenix, B.SC.(ENG.), C.ENG., F.I.MECH, A.R.AE.S.

Computing: H. L. W. Jackson, M.SC., PH.D., M.INST.P., DIP.ED., F.I.M.A., F.B.C.S.

Mathematics: H. G. Martin, PH.D., F.I.M.A., F.B.C.S., M.INST.P.

Computer Centre: D. M. Melluish, M.A., M.SC., F.B.C.S., A.F.I.M.A.

Physical Education: A. Hargreaves, M.A.

SUNDERLAND POLYTECHNIC

CHESTER RD.,
SUNDERLAND, SR1 3SD

Telephone: (0783)-76191.

Founded 1969.

Constituent Colleges: Sunderland College of Art, Sunderland Technical College, Sunderland College of Education.

Rector: E. A. Freeman, D.SC., PH.D., M.A., F.I.E.E., F.I.M.A.

Chief Administrative Officer: M. Skilleter, C.B.E., LL.B., F.C.I.S.

Academic Registrar: R. A. Taylor, D.M.A., A.C.I.S.

Librarian: N. Hunter, M.A., B.SC., L.I.B., A.L.A.

Library of 150,000 vols.

Number of students: 3,000 full-time and sandwich, 1,100 part-time.

Deans:

Faculty of Art and Design: M. Yeomans, D.F.A.

Faculty of Engineering: B. R. MacManus, PH.D., C.ENG.

Faculty of Humanities: R. Cowell, PH.D.

Faculty of Science: A. Crawshaw, PH.D., F.R.I.C.

Faculty of Education: H. Webster, M.A.

TEESSIDE POLYTECHNIC

BOROUGH RD.,
MIDDLESBROUGH,
CLEVELAND, TS1 3BA

Telephone: (0642)-244176.

Founded 1929 as Constantine College of Technology, attained present status 1970.

Director: (vacant).

Chief Administrative Officer: D. S. Clarke, M.A.

Librarian: W. R. Moss, B.A., F.L.A.

Library of 80,000 vols.

Number of teachers: 300.

Number of students: 4,000.

Degree courses in Art and Design, Computer Science, Mathematics, Business Studies, Chemical, Civil, Mechanical, Instrumentation and Control Engineering, Humanities and Social Studies.

Heads of Departments:

Business and Professional Studies: H. C. Bridger, B.COM., B.C.L., F.C.I.S.

Management: J. M. Wright, M.SC., C.ENG., M.I.MECH.E., M.I.GAS.E.

Humanities: H. McL. Currie, M.A.

Social Studies: J. Peel, PH.D.

Art and Design: S. Spedding, DIP.F.A.

Mathematics and Statistics: (vacant).

Computer Science: C. A. G. Webster, PH.D.

Chemical Engineering: C. J. Liddle, M.SC., PH.D., D.I.C.

Chemistry: V. Moss, PH.D., F.R.I.C.

Metallurgy and Materials: R. J. Hey, B.SC., F.I.M.

Civil and Structural Engineering: W. M. Jenkins, PH.D., C.ENG., F.I.C.E.

Mechanical Engineering: L. J. Hodson, B.SC., C.ENG., M.I.MECH.E.

Electrical, Instrumentation and Control Engineering: L. J. Herbst, PH.D., F.INST.P., C.ENG.

THAMES POLYTECHNIC

WELLINGTON ST., WOOLWICH,
LONDON, SE18 6PF

Telephone: (01)-854-2030.

Founded 1970.

Previously Woolwich Polytechnic.

Director: Dr. N. Singer.
Academic Registrar: B. J. Betham.
Librarian: R. S. Eagle.

Library of 100,000 vols.

Number of teachers: 349.
Number of students: 4,300.

Publications: *Thames Papers in Political Economy*; *Literature and History, A New Journal for the Humanities.*

Deans:

Faculty of Engineering: Dr. G. A. Battersby.
Faculty of Architecture and Surveying: Dr. A. F. C. Sherratt.
Faculty of Science: C. H. Sefton.
Faculty of Social Sciences and Humanities: Miss V. Pitt.
Dartford College of Education: K. Challinor (Principal).

Heads of Schools:

Battersby, Dr. G. A., Electrical Engineering
Bruce, M. G., Education and Teaching Studies
Currell, Dr. B., Chemistry
Hawkins, A. T., Civil Engineering
Johnstone, J. C., Movement and Recreation Studies
Koolman, G., Social Sciences
Mason, Dr. J. S., Mechanical Engineering
Morisetti, M. D., Biological Sciences
Paul, Dr. J., Architecture
Pitt, Miss V., Humanities
Randall, G. K., Business Administration
Sefton, C. H., Mathematics
Simpson, E., Surveying
Williams, Dr. J. L., Materials Science and Physics

TRENT POLYTECHNIC

BURTON ST.,
NOTTINGHAM, NG1 4BU
Telephone: 0602-48248.
Founded 1970.

Director: R. Hedley, M.A.
Chief Administrative Officer: D. B. Davies, D.P.A.

Number of students: 5,700 full-time, 4,400 part-time.

Degree courses in Accounting and Finance, Applied Biology, Applied Chemistry, Applied Social Studies, Building, Business Studies, Civil Engineering, Creative Arts, Economics, Education and Cert. Ed., Electrical and Electronic Engineering, Fashion, Fashion (Knitwear Design), Fine Art, Furniture Design, Interior Design, Humanities, Law, Legal Studies, Modern European Studies, Mechanical Engineering, Production Engineering, Public Administration, Quantity Surveying, Social Sciences, Textile Design, Theatre Design, Town and Country Planning, Urban Estate Surveying.

POLYTECHNIC OF WALES

LLANTWIT RD., TREFOREST,
PONTYPRIDD,
GLAMORGAN, CF37 1DL
Telephone: 0443-405133.

Founded 1913 as South Wales and Monmouthshire School of Mines; in 1956 became Glamorgan College of Technology; in 1970 became Glamorgan Polytechnic; merged with Glamorgan College of Education to become Polytechnic of Wales 1975.

Director: J. D. Davies, M.SC., PH.D., D.SC., C.ENG., F.I.C.E., M.I.STRUCT.E.
Deputy Directors: F. J. Hybart, PH.D., F.R.I.C., C. Roberts, M.A.
Academic Registrar: C. M. Lawthom, M.ED.
Chief Administrative Officer: P. Gillibrand, B.A.(ECON.), D.M.A.
Librarian: G. W. F. Ewins, B.SC. (ECON.), A.L.A.

Library of 160,000 vols., 2,000 current periodicals.

Number of teachers: 400.
Number of students: 2,253 full-time, 1,075 part-time, total 3,528.

Includes Degree and H.N.D. courses, Sandwich courses.

Chairmen of Faculties:

Faculty of Education: D. J. Phillips M.A.
Faculty of Engineering: G. T. Bolan, C.ENG., F.I.CHEM., M.INST.F.
Faculty of Science: D. J. Green, M.SC., D.I.C., F.B.C.S., F.I.M.A.
Faculty of Social Sciences and Arts: J. Hanson, B.A.(COM.), I.P.F.A.

Heads of Departments:

Faculty of Education:
Lotwick, W. R., M.SC., Education and Physical Education

Faculty of Engineering:
Bassett, M. B., M.SC.TECH., PH.D., C.ENG., F.I.MECH.E., F.I.PROD.E., F.I.PLANT.E., Mechanical and Production Engineering
Biker, A. J., A.R.I.C.S., M.SC., A.R.V.A., Estate Management and Quantity Surveying
Lee, L., C.ENG., M.INST.F., Chemical Engineering (acting)
McMurray, R. D., B.SC., C.ENG., F.I.C.E., F.I.O.B., Civil Engineering and Building
Morgan, L., C.ENG., F.R.I.C.S., F.I.MIN.E., Mining and Mine Surveying
Thompson, G. H., M.SC., C.ENG., M.I.E.E., Electrical Engineering

Faculty of Science:
George, W. O., PH.D., D.SC., C.CHEM., F.R.I.C., Science
Wright, G. G. L., M.A., F.B.C.S., Mathematics and Computer Science (acting)

Faculty of Social Sciences and Arts:
Farmer, T. J., M.SC., C.ENG., M.I.MIN.E., A.M.B.I.M., D.M.S., Management Studies
Hawkins, P. J. L., M.SC.(ECON.), A.M.B.I.M., Social Studies and Arts
Slater, M., M.A., Arts and Languages
Thomas, G., B.SC., Business Studies (acting)

THE POLYTECHNIC WOLVERHAMPTON

WULFRUNA ST.,
WOLVERHAMPTON, WV1 1LY
Telephone: (0902) 27371.
Founded 1969.

Constituent Colleges: Wolverhampton College of Art, Wolverhampton College of Technology, Dudley College of Education, Wolverhampton Teachers' College for Day Students and Wolverhampton Technical Teachers' College.

Director: G. A. Seabrooke, LL.B., M.B.I.M.
Deputy Director: C. J. M. Lee, M.SC., C.ENG., M.I.MECH.E.
Secretary: J. W. Hammond, F.C.I.S.
Librarian: Mrs. S. G. Ayerst, B.SC., M.I.INF.SC.

Library of 100,000 vols.

Number of teachers: 595.

Number of students: 4,000 full-time, 3,000 part-time.

Publications: *West Midland Studies*, *Journal of Industrial Affairs*, *The Dudley Journal.*

Deans:

Faculty of Art and Design: E. Clements, DES.R.C.A., F.S.I.A., F.R.S.A.
Faculty of Education: D. Broadhurst, M.A., M.ED., J.P.
Faculty of Engineering: C. J. M. Lee, M.SC., C.ENG., M.I.MECH.E.
Faculty of Humanities: H. Smith, M.A., LL.B., PH.D.
Faculty of Science: J. A. Sandbach, M.SC., F.R.I.C.
Faculty of Social Science: E. E. Mitchell, B.SC.(ECON.), F.C.M.A., M.B.I.M.

Heads of Departments:

Faculty of Art and Design:
Messenger, T., A.R.C.A., Visual Communication
Potter, H., DES.R.C.A., M.S.I.A., A.I.B.D., Design
Rowe, N., N.D.D., DIP.F.A., Fine Art

Faculty of Engineering:
Courten, D. S., J.P., B.SC.(ENG.), C.ENG., F.I.MUN.E., F.I.O.B., A.M.INST.H.E., Building and Civil Engineering
Eastop, T. D., PH.D., C.ENG., M.I.MECH.E., M.I.MAR.E., Mechanical Engineering
Evans, B. R., M.SC., C.ENG., F.I.E.E., F.I.E.R.E., Electrical Engineering
Page, M. G., B.SC.(ENG.), C.ENG., F.I.MECH.E., F.I.PROD.E., M.B.I.M., F.S.S., Production Engineering

Faculty of Humanities:
Sheppard, P. E., B.A., Arts
White, J. E. G., M.A., L.-ES-L., Languages and European Studies

Faculty of Science:
McLaren, J., PH.D., F.R.I.C., Physical Sciences
Powell, A. J., M.A., F.I.M.A., M.B.C.S., Computing and Mathematical Sciences
Webber, F. C., PH.D., M.I.BIOL., Biological Sciences

Faculty of Social Science:
Ashby, D. C., M.SC., PH.D., F.I.W.M., C.ENG., F.I.MIN.E., M.B.I.M., Management Studies
Crockett, J., M.A., LL.M., Legal Studies
Lucey, T., M.SOC.SC., F.C.M.A., J.DIP.M.A., M.B.C.S., Business Studies
Wildsmith, J. R., M.A., M.SOC.SC., Economics and Social Sciences

COLLEGES

Due to space limitations, we are restricted to giving a selection of colleges in the U.K. The degree courses run by these Colleges (unless otherwise stated) lead to degrees awarded by the Council for National Academic Awards (*q.v.*) and are comparable to courses at British universities.

AGRICULTURE

East of Scotland College of Agriculture: West Mains Rd., Edinburgh, EH9 3JG; f. 1901; associated with the University of Edinburgh; degree courses in Agricultural Science, Agricultural Economics, General Agriculture; diploma courses in Agriculture; 50 teachers, 366 students; library of 12,000 vols., 8,000 monographs; Principal Prof. N. F. ROBERTSON, C.B.E., M.A., PH.D., F.R.S.E.

Harper Adams Agricultural College (incorporating National Institute of Poultry Husbandry): Newport, Shropshire; three-year sandwich courses for H.N.D. in Agriculture, H.N.D. in Agricultural Marketing and Business Administration, H.N.D. and O.N.D. in Poultry; one-year pre-entry H.N.D. course; one-year post-diploma courses in Pig Technology, Agricultural Marketing and Business Administration, Crop Protection, Poultry Technology; Principal A. G. HARRIS, N.D.A., M.I.AGR.E.

Lancashire College of Agriculture: Myerscough Hall, Billsborrow, Preston, PR3 ORY; f. 1890; 49 teachers, 230 students; library of 16,000 vols.; Principal F. A. W. PEREGRINE, N.D.A., F.R.AG.S.

North of Scotland College of Agriculture: 581 King St., Aberdeen; f. 1904; associated with the University of Aberdeen; 75 teachers; 300 students; library of 20,000 vols.; Principal G. A. LODGE, PH.D.; Dir. of Studies M. H. D. F. FYFE; publs. *Annual Report*†, *Research, Investigations and Field Trials*† (annual).

Royal Agricultural College: Cirencester, Glos.; f. 1845; College Diplomas in Agriculture and Estate Management, and National and Professional qualifications; Advanced Diploma in Farm Management; Principal H. V. HUGHES, B.SC.

Seale-Hayne Agricultural College: Newton Abbot, Devon; f. 1912; 500 students; O.N.D. courses in Agriculture, Food Technology (Dairy Technology); H.N.D. courses in Agriculture, Natural Resources and Rural Economy, Applied Biology, Food Technology; postgraduate and post-H.N.D. supplementary courses in Farm Management (3 options—general Farm Management, Milk Production, Amenity Agriculture and Recreation Management); Management Studies; Principal G. J. DOWRICK, B.SC., PH.D., M.I.BIOL.

Shuttleworth Agricultural College: Old Warden Park, nr. Biggleswade, Bedfordshire, SG18 9DX; f. 1944; farms 910 acres, estate of 4,700 acres; residential college for 175 students; one-year farming course and courses in preparation for the Ordinary and Higher National Diplomas in Agriculture; Principal J. E. SCOTT, M.S.

Welsh Agricultural College: Llanbadarn Fawr, Aberystwyth, SY23 3AL; f. 1971; library of *c.* 21,000 vols.; 17 lecturers, 180 students; Principal D. W. MORRIS, PH.D.; Chief Administrative Officer W. PUGH EVANS, D.M.A.

West of Scotland Agricultural College: Auchincruive, Ayr, KA6 5HW; f. 1899; associated with the University of Glasgow; education, advisory and research and development work; 55 teachers, 350 students; library of 15,000 vols.; Principal J. S. HALL.

Writtle Agricultural College: Writtle, Chelmsford, CM1 3RR; courses in Agriculture and Horticulture.

Wye College: *see* under University of London.

ART

The colleges listed below (unless otherwise stated) are those which run courses leading to the Diploma in Art and Design, comparable to first degree courses at British universities, awarded by the C.N.A.A. (*q.v.*).

Bath Academy of Art: Corsham, Wiltshire, SN13 0DB; f. 1946; B.A. (Hons.) degree courses in Fine Art, Visual Communication—Graphic Design, Three-Dimensional Design, Ceramics; one-year Foundation course in Art and Design; 53 teachers, 250–300 students; library of 23,000 vols.; Principal M. G. FINN, A.R.C.A., F.R.S.A.

Camberwell School of Art and Crafts: Peckham Rd., London, SE5 8UF; Hons. degree courses in Fine Art, Graphic Design, Ceramics and Metalwork, Textiles; Principal I. E. TREGARTHEN JENKIN, M.A.

City of Canterbury College of Art: New Dover Rd., Canterbury, Kent, CT1 3AN; f. 1882; B.A. (Hons.) degree courses in Fine Art and Graphic Design; B.A. and diploma courses in Architecture; diploma courses in Graphic Design and Dress/Textiles; 53 full-time and 91 part-time teachers, 500 students; library of 22,754 vols.; Principal G. G. BELLAMY, DES.R.C.A.; Vice-Principal BARRY KIRK, A.R.C.A.; Chief Admin. Officer HARRY ALLSOPP.

Central School of Art and Design: Southampton Row, London, WC1B 4AP; f. 1896; degree courses in Fine Art, Graphic and Three-dimensional Design, Textiles, Theatre; course in Foundation Studies; M.A. courses in Graphic Design and Industrial Design; 450 students; library of 26,000 vols.; Principal T. PANNELL, DES.R.C.A., F.S.I.A.D., A.T.I.; Vice-Principal P. BIRD, B.A., A.T.D.

Chelsea School of Art: Manresa Rd., London, SW3 6LS; f. 1895; degree courses in Fine Art; library of 18,000 vols.; Principal F. BRILL.

City and Guilds of London Art School: 124 Kennington Park Rd., London, S.E.11; f. 1879; 3-year diploma courses in Painting, Graphic Arts, Sculpture, Restoration of Wood and Stone; 2-year certificate courses in Lettering, Printmaking, Woodcarving, Gilding; part-time day and evening courses; number of teaching staff: 25; Chair. Sir EDWARD CHADWYCK-HEALEY; Principal ROGER DE GREY, R.A.

Courtauld Institute of Art: 20 Portman Square, London, W1H 0BE; f. 1932; affiliated to the University of London; undergraduate and postgraduate courses in the History of European Art; diploma course in Conservation of Paintings; 21 teachers, 163 full-time and 118 part-time students; Dir. Prof. P. E. LASKO, B.A., F.S.A.; Registrar D. J. WALLACE, B.SC.; publ. *Journal of the Warburg and Courtauld Institutes* (annually).

Duncan of Jordanstone College of Art: Perth Rd., Dundee; Schools of Architecture, Town Planning, Design (Textile, Graphic, Illustration, Printmaking, Ceramics, Pottery, Silversmithing and Jewellery, Interior Design), Drawing and Painting, Sculpture, Home Economics, Catering and Institutional Management, Department of Printing; 100 full-time and 60 part-time teachers, 850 full-time and 500 part-time students; Principal M. LACOME, F.R.S.A., M.S.I.A., M.S.T.D., M.INST.P.

Edinburgh College of Art: Lauriston Place, Edinburgh, EH3 9DF; f. 1907; Departments of Architecture, Town and Country Planning and Schools of Drawing and Painting, Design and Crafts, Sculpture; Sec. J. R. BROWN, J.P., F.C.I.S.

Exeter College of Art and Design: Earl Richards Rd. North, Exeter, Devon, EX2 6AS; degree courses in Graphic Design and Fine Art (including Painting, Sculpture, Ceramics, Printmaking and Art History); diploma in Printing (two-year) and special one-year vocational courses.

almouth School of Art: Kerris Vean, 27 Woodlane, Falmouth, Cornwall; f. 1947; foundation course and B.A. (Hons.) course in Fine Art; 26 teachers, *c.* 135 students; Principal Thomas Cross, D.F.A.; Sec. Mrs. E. Evans.

lasgow School of Art: 167 Renfrew St., Glasgow, G3 6RQ; f. 1840; B.A. courses in Fine Art and Design, Town and Country Planning, and (in conjunction with Glasgow University) Architecture; Dir. H. Jefferson Barnes, C.B.E., M.A., D.F.A. (LOND.); Sec. and Treas. F. W. Kean, C.A., A.C.M.A.

Gloucestershire College of Art and Design: Pittville, Cheltenham, Glos. and Brunswick Rd., Gloucester; f. 1968 from the amalgamation of the Cheltenham and City of Gloucester Colleges of Art and Stroud School of Art; B.A. (Hons.) degrees awarded in Fine Art (Painting, Printmaking, Sculpture), Textiles and Fashion; foundation course in Art and Design; designated diploma courses in Architecture, Landscape Architecture and Town Planning; vocational courses in Graphics and Technical Graphics, Photography, Printing, Display and Fashion, Painting and Decorating; 96 teachers, 630 students; library of 30,000 vols.; Principal James Martin, D.A. (EDIN.); Registrar L. Woodward.

Hamilton Kerr Institute: Whittlesford, Cambridge, CB2 4NE; f. 1976; dept. of Fitzwilliam Museum, Univ. of Cambridge; postgraduate course in conservation and restoration of easel paintings; 5 teachers, 6 full-time students; Dir. H. Lank.

Loughborough College of Art and Design: Radmoor, Loughborough, Leicestershire; degree courses in Fine Art, Three-dimensional Design, Textiles/Fashion; vocational diploma courses in Fashion, Graphic Design; one-year foundation course.

Maidstone College of Art: Oakwood Park, Oakwood Rd., Maidstone, Kent; f. 1867; CNAA courses in Fine Art, Graphic Design; full- and part-time printing courses; 41 full-time and 75 part-time teachers, 260 full-time and 200 part-time students; Principal W. Stobbs, M.A., F.S.I.A.; Chief Admin. Officer M. F. Chapman, D.M.A.; publ. *Vision* (occasional).

Norwich School of Art: St. George St., Norwich, Norfolk, NR3 1BB; f. 1846; degree courses in Fine Art and Graphic Design, Foundation course and Vocational Design course; 30 full-time lecturers; Principal W. G. English.

Ravensbourne College of Art and Design: Walden Rd., Chislehurst, Kent, BR7 5SN; f. 1962; B.A. degree courses in Fine Art, Graphic and Three-dimensional Design, Textiles and Fashion; 56 full-time and 60 part-time teachers, 500 students; library of 15,000 vols., 20,000 slides; Principal N. Frewing, DES.R.C.A., F.S.I.A.D.; Registrar A. H. Locke, J.P., B.A., F.I.L.

Royal Academy Schools: Burlington House, Piccadilly, London, W1V 0DS; f. 1768; Schools of Painting and Sculpture; Keeper P. Greenham, B.A., R.A.; Curator W. Woodington, R.P., R.B.A.

Royal College of Art: Kensington Gore, London, SW7 2EU; f. 1837, awarded Charter 1967 empowering it to grant its own degrees, although not under the control of the University Grants Committee; Schools of Ceramics and Glass, Environmental Design, Fashion Design, Film and Television, Furniture Design, Graphic Arts, Industrial Design, Painting, Sculpture, Silversmithing and Jewellery, Textile Design; 600 students; Visitor H.R.H. The Duke of Edinburgh, K.G., K.T., P.C., O.M., G.B.E., F.R.S.; Provost Sir Colin Anderson, K.B.E.; Rector and Vice-Provost Prof. Richard Guyatt, C.B.E., F.S.I.A.; Registrar B. Cooper, B.A., A.M.B.I.M.

Ruskin School of Drawing and Fine Art: 74 High St., Oxford; f. 1871; dept. of the University of Oxford; 3-year degree course in Fine Art; 60 students; Principal P. Morsberger, M.A.

St. Martin's School of Art: 107/111 Charing Cross Rd., London, WC2H 0DU; f. 1854; M.A. course in Fashion and B.A., courses in Fine Art, Graphic Design, Textiles and Fashion; 1000 Students; Principal I. Simpson, A.R.C.A.

School of Architecture—Architectural Association: 34–36 Bedford Square, London, WC1B 3ES; instituted 1847; 5-year course leading to AA Dipl. and exemption from the R.I.B.A. Part 2 exam.; postgraduate courses and research in Architecture, Planning & Urban Design; 500 students; 4,000 mems.; library of 29,000 vols.; Chair. A. S. Boyarsky, B.ARCH., M.R.P., M.R.A.I.C., T.P.L.C.; publ. *AA Quarterly*.

Slade School of Fine Art: University College, Gower St., London, W.C.1; f. 1871; degree courses in Drawing and Painting with instruction in History of Art, Print-making and Film; postgraduate courses in Drawing, Painting, Print-making (Etching, Engraving, Silkscreen, Lithography), Theatre Design, Sculpture, Electronic (Computer) art and mixed media forms; supervision is given to those studying for higher degrees in the historical and theoretical Study of Film; Univ. of London B.A. degree in Fine Art, Higher Diploma in Fine Art, M.Phil./Ph.D. in Film Studies; 200 students; Slade Prof. Lawrence Gowing, C.B.E.; Sec. Murray Watson, M.A.

Stourbridge College of Art: Church St., Stourbridge, DY8 1LY; f. 1853 as School of Design; degree courses in Fine Art, Three-dimensional Design (Glass/Ceramics); 35 full-time and 4 part-time teachers, 230 students; library of 13,000 vols. and 50,000 slides; Principal T. H. Jenkins, B.SC., A.M.B.I.M., A.F.I.M.A.; Chief Administrative Officer A. J. Evans, M.INST.A.M., A.S.C.T.; publ. Prospectus of courses (annual).

University of London, Goldsmiths' College (School of Art and Design): Lewisham Way, New Cross, SE14 6NW; f. 1893; first degree courses in Fine Art, Embroidery & Textiles; combined degrees in Art/Dance, Art/Education, Art/Religious Studies; Communication Studies with Sociology, Mathematics or Education; M.A. in Fine Art; postgraduate diplomas in Art History, Art Therapy, Ceramics, Communication Studies, Fine Art and Graphics, Embroidery/Textiles; A.T.C. and L.C.A.D. courses; Communication and Graphics, Foundation courses; 42 full-time staff, 70 part-time specialists, 710 full-time or joint degree students; Dean J. B. Thompson.

West Surrey College of Art and Design: Falkner Rd., The Hart, Farnham, Surrey; degree courses in Fine Art, Textiles and Ceramics; diploma courses in Photography, Film and Television, Animation and T.V. Graphics; Wood/Metal/Glass; foundation course; library of 31,000 vols.; 650 students; Principal L. W. Stoppani, A.R.C.A., F.S.A.E.

Wimbledon School of Art: Merton Hall Rd., Wimbledon, London, SW19 3QA; f. 1890; Hons. degree in Art and Design, courses in Fine Art Painting, Fine Art Sculpture, Theatre Design; own diploma in Graphic Design; Certificate in Theatre Wardrobe; Foundation Course; library of 18,000 vols.; 320 students; Principal William Brooker.

Winchester School of Art: Park Ave., Winchester; f. *c.* 1870; Hons. degree courses in Fine Art, Painting, Sculpture and Printmaking, Printed and Woven Textiles; Foundation course; Music course for performers; 25 full-time and 30 part-time teachers; library of 10,000 vols. and slide collection; Principal Dr. B. D. Taylor; Registrar L. J. Pearce.

Business and Commerce

Aberdeen College of Commerce: Holburn St., Aberdeen, AB9 2YT, Scotland; f. 1959; courses in Distributive Trades, General Studies, Professional Studies, Secretarial Studies, English and Communication, Languages, Mathematics and Science; Office Administration Studies; library of 18,000 vols.; 153 full-time teachers; 1,091 full-time, 3,216 part-time students; Principal B. Edwards, B.SC.(ECON.), B.COM., D.C., M.LITT., M.I.S., F.S.S.; Registrar H. A. Forrest; Librarian M. Smith, A.L.A.

Administrative Staff College: Greenlands, Henley-on-Thames, Oxfordshire, RG9 3AU; f. 1946; various residential courses for managers and administrators already holding important positions to prepare them for still greater responsibilities; special courses; research projects; higher degrees and postgraduate courses; 30 teachers, 90 students; library of 12,000 vols.; Principal Prof. T. Kempner, B.SC.(ECON.), F.B.I.M.; Registrar Mrs. J. B. Margerrison; Librarian Miss Gail Thomas; publs. *College Journal*, *Journal of General Management*, Occasional and College Papers.

Central College of Commerce: 300 Cathedral St., Glasgow, G1 2TA; f. 1962; courses in Business Studies, Distribution, English and General Studies, Hairdressing; 78 full-time, 148 part-time teachers; 950 full-time, 50 block-release and 4,000 part-time students; library of 27,000 vols.; Principal D. C. Horn; Registrar W. T. B. Robertson.

College of Estate Management: Whiteknights, Reading, Berks., RG6 2AW. f. 1919; courses for external B.Sc, degree in Estate Management of the University of Reading and for the examinations of the professional societies dealing with the use; development, valuation, and management of land and buildings; Principal P. N. Brook; Sec. D. E. Tucker, M.A.

College of Production Technology and School of Business Administration: 5 Elwick Rd., Ashford, Kent; f. 1949; Pres. Dr. Douglas R. Woodley; Registrar Mrs. J. Kingston-Miles.

Dundee College of Commerce: 30 Constitution Rd., Dundee, DD3 6TB; f. 1956; 118 full-time and 25 part-time teachers, 4,382 students; library of 17,000 vols.; Principal C. M. Brown, B.SC.(ENG.), C.ENG., M.I.PROD.E., M.B.I.M.; Depute Principal D. Hood, M.A., LL.B., BAR.-AT-LAW.

London Graduate School of Business Studies: Sussex Place, Regent's Park, London, N.W.1; f. 1965; two-year courses leading to the M.Sc. degree and three-year courses leading to the Ph.D. degree of London University; 225 students; Principal Prof. R. J. Ball, M.A., PH.D.

Professors:

Beesley, M. E., Economics
Brealey, R. A., Portfolio Investment
Chambers, D. J., Operational Research
Eccles, A. J., Business Administration
Ehrenberg, A. S. C., Marketing
Heath, J. B., Economics
Moore, P. G., Statistics
Nicholson, T. A. J., Production
Pugh, D. S., Organizational Behaviour
Pym, D. L., Organizational Behaviour
Reid, W., Accounting and Financial Control
Simmonds, K., Marketing and International Business
Stopford, J. M., International Business

Oxford Centre for Management Studies: Kennington Rd., Kennington, Oxford, OX1 5NY; f. 1965; independent of but linked with the University of Oxford; nine-week Senior Managers Development programme leading to the Oxford University Certificate in Management Studies; 3-week Fundamental Issues in Management programme; individual Management Development programmes; corporate strategy seminars; top management briefings; teaching for the B.Phil. degree of Oxford University; Dir. R. I. Tricker, M.A., F.C.A., F.C.M.A.

Music and Dramatic Art

Bristol Old Vic Theatre School: 1 and 2 Downside Rd., Clifton, Bristol; in association with the Bristol Old Vic Company and Drama Dept. of the Univ. of Bristol; courses in acting, design, directing and technical aspects of the theatre; Principal N. Brenner.

Central School of Speech and Drama: Embassy Theatre, Swiss Cottage, London, NW3 3HY; f. 1906; *c.* 40 staff, *c.* 300 students; departments of Stage, Teaching of Speech and Drama, Speech Therapy; Principal George Kitson; Registrar Eric Newsome, M.A.

Guildhall School of Music and Drama: Barbican, London, EC2Y 8DT; f. by the Corporation of London in 1880 and administered by the Music Cttee.; Professorial staff 210; approx. 1,600 students; Principal John Hosier, M.A., F.G.S.M.; Dir. of Music L. East, M.MUS., F.G.S.M.; Dir. of Drama (vacant); General Administrator J. Isard, HON. G.S.M.

London Academy of Music and Dramatic Art: Tower House, 226 Cromwell Rd., London, S.W.5; professional theatrical training, acting and stage management; Dir. of Administration and Technical Courses Robert Stanton; Dir. of Acting School Roger Croucher.

National Film School: Beaconsfield Film Studios, Station Rd., Beaconsfield, Bucks.; f. 1970; professional training for film and television with broadly based background of humane studies; small information library; Chair. Lord Lloyd of Hampstead; Dir. Colin Young.

Royal Academy of Dramatic Art (R.A.D.A.): 62 Gower St., London, WC1E 6ED; f. 1904; courses: Acting (7 terms), Stage Management, Scene Painting and Design, Stage Carpentry (all 4 terms), and Property Making (2 terms); Principal Hugh Cruttwell; Administrator-Registrar Richard O'Donoghue.

Royal Academy of Music: Marylebone Road, London, N.W.1; f. 1822; inc. by Royal Charter 1830; professorial staff 140; students 650 full-time study only; Pres. H.R.H. Princess Alice, The Duchess of Gloucester; Principal Sir Anthony Lewis, C.B.E., M.A., MUS.B.(CANTAB.), HON. R.A.M.; Warden Noel Cox, B.MUS., F.R.A.M.; Administrator G. Hambling; Registrar R. Golding, M.A., HON. R.A.M.; publs. *Prospectus*, *R.A.M. Magazine* (3 a year), *L.R.A.M. Syllabus* (annually).

Royal College of Music: Prince Consort Rd., South Kensington, London, S.W.7; f. 1883; 700 pupils; Dir. Sir David Willcocks, C.B.E., M.C., MUS.B., F.R.C.M., F.R.C.O.; Registrar Michael Gough Matthews, F.R.C.M., A.R.C.O.

Royal College of Organists: Kensington Gore, London, SW7 2QS; f. 1864, inc. by Royal Charter 1893; Hon. Sec. Sir John Dykes Bower, C.V.O., M.A., D.MUS.

Royal Military School of Music: Kneller Hall, Twickenham, Middlesex; a military school established 1857 for the purpose of training the non-commissioned officer for the position of bandmaster and young soldiers as solo performers; 50 students, 250 pupils; Commandant Col. E. I. Windsor-Clive; Dir. of Music Lt.-Col. G. E. Evans, The Blues and Royals; Adjutant Lt.-Col. R. Maddison, M.B.E., King's Own Scottish Borderers.

Royal Northern College of Music: 124 Oxford Rd., Manchester, M13 9RD; amalgamation of Royal Manchester College of Music and Northern School of Music; Royal Charter 1923 and 1973; library of 32,000 vols.; Pres. H.R.H. The Duchess of Kent; Principal John Manduell, F.R.A.M., F.R.N.C.M.

Royal School of Church Music: Addington Palace, Croydon, CR9 5AD; f. 1927, inc. 1930; centre for training church musicians; world-wide membership of affiliated choirs; Chair. of Council The Bishop of Bath and Wells; Dir. Lionel Dakers, B.MUS., F.R.A.M., F.R.C.O.(CHM), A.D.C.M., F.R.C.M.; publs. *Church Music* (quarterly), *English Church Music* (annually).

Royal Scottish Academy of Music and Drama: St. George's Place, Glasgow, G2 1BS; f. 1890 as The Glasgow Athenaeum, became The Scottish National Academy of Music 1928, The Royal Scottish Academy of Music 1944 and the Royal Scottish Academy of Music and Drama 1968; teaching staff 100; *c.* 400 students; Principal D. LUMSDEN, M.A., D.PHIL.; Sec. G. T. L. SCOTT, M.C.

Trinity College of Music: Mandeville Place, London, W1M 6AQ; f. 1872; full-time diploma courses (3–4 years) to equip students as teachers or performers; 350 full-time and 150 part-time students; Pres. YEHUDI MENUHIN, K.B.E.; Principal M. FOGGIN, C.B.E., F.R.A.M.; Dir. of Studies C. CORK, B.MUS., F.T.C.L., L.R.A.M., A.R.C.M.; Dir. of Examinations E. HEBERDEN, M.A.; publ. *T.C.M. Bulletin* (bi-annually).

SCIENCE AND TECHNOLOGY

Camborne School of Mines: Trevenson, Pool, Redruth, Cornwall, TR15 3SE; f. 1859; 21 teachers; 200 students; library of 7,000 vols.; Principal P. HACKETT, PH.D., C.ENG., F.I.M.M.; Registrar H. D. HOY, B.A.; Librarian Miss S. PENGELLY, A.L.A.; publs. *Annual Journal*†, annual prospectus.

Cranfield Institute of Technology: Cranfield, Bedfordshire; f. 1946 as College of Aeronautics, awarded Charter 1969 to grant own degrees, although not listed by the University Grants Committee; Nat. College of Agricultural Engineering (*q.v.*) became a School of the Institute 1975; provides postgraduate and post-experience master-degree and doctoral-degree courses of study and research and short courses in several branches of science, engineering, technology and management orientated towards design, development, manufacture and organization in industry; Schools of Aeronautics, Agricultural Engineering (NCAE), Automotive Studies, Mechanical Engineering, Production Studies, Management; Departments of Design of Machine Systems, Fluid Engineering, Electronic System Design, European Languages and Institutions, Materials, Mathematics; Centre for Transport Studies, Cranfield Unit for Precision Engineering, Ecological Physics Research Unit, National Materials Handling Centre; 850 postgraduate students, 3,500 short-course students; library of 30,000 vols.; Vice-Chancellor Sir HENRY CHILVER, PH.D., D.SC., M.A., C.ENG., A.F.R.AE.S., M.I.C.E., M.I.STRUCT.E.; Registrar A. J. I. DAVIES, B.A.; publs. *Reports*† (irregular).

Dundee College of Technology: Bell St., Dundee, DD1 1HG; f. 1911; Faculty of Engineering and Construction: departments of Civil Engineering, Electrical and Electronic Engineering, Mechanical and Industrial Engineering, Surveying and Building; Faculty of Management and Social Studies: departments of Accountancy and Economics, Business Studies, Learning Resources Group; Faculty of Science: departments of Mathematics and Computer Studies, Molecular and Life Sciences, Physics, Textile Science; 140 full-time and 70 part-time teachers, 1,200 full-time and 850 part-time students; library of 74,000 vols.; Principal H. G. CUMING, M.A., PH.D., D.I.C., C.ENG., F.I.M.A., M.R.AE.S.

Glasgow College of Building and Printing: 60 North Hanover St., Glasgow, G1 2BP; f. 1972 by amalgamation of Colleges of Building (f. 1927) and Printing (f. 1925); library of 30,000 vols.; 197 teachers; 650 full-time and 3,000 part-time students; Principal D. McEWAN, B.SC., C.ENG., M.I.MUN.E., F.I.O.B.; Academic Registrar J. K. GRAHAM, M.A.; Registrar Mrs. A. S. GIBBS, M.INST.A.M.; publ. *Prospectus*†.

Napier College of Commerce and Technology: Colinton Rd., Edinburgh, EH10 5DT and Sighthill Court, Edinburgh, EH11 4BN; degree courses in Biological Sciences, Business Studies, Communications and Electronic Engineering, Industrial Design (Technology), Science with Industrial Studies, Technology with Industrial Studies; 360 lecturers, over 2,300 full-time and 4,500 part-time students; library of 80,000 vols., 1,300 periodicals; Principal J. DUNNING, C.B.E., B.SC., M.ED., M.A., A.I.M., A.M.C.T.; Academic Registrar R. W. STEVENSON, B.A.

National College of Agricultural Engineering: Silsoe, Bedford, MK45 4DT; f. 1961 (became College of the Cranfield Institute of Technology 1975); residential courses for men and women leading to B.Sc. in Agricultural Engineering; wide range of postgraduate courses; 32 academic staff; 130 undergraduate students, 95 graduate students; library of over 25,000 vols.; Head Prof. B. A. MAY, N.D.AGR.E., C.ENG., M.I.MECH.E., M.I.AGR.E.; publs. *NCAE Occasional Papers* (irregular).

Paisley College of Technology: High St., Paisley; f. 1897; courses up to Honours degree level in departments of Physics, Mathematics and Computing, Chemistry, Biology, Civil Engineering, Electrical Engineering, Mechanical Engineering, Social Studies, Land Economics, Economics and Management; 200 full-time and 40 part-time teachers; 1,800 full-time and 500 part-time students; library of 65,000 vols.; Principal T. M. HOWIE, B.SC.(ENG.), C.ENG., F.I.C.E.; Sec. J. M. OSWALD, M.B.E., B.SC., A.R.C.S.T.

Robert Gordon's Institute of Technology: Aberdeen; Scott-Sutherland School of Architecture, Gray's School of Art; Schools of Business Management Studies, Chemistry, Electronic and Electrical Engineering, Health Visiting, Hotel and Institutional Administration, Home Economics, Librarianship, Mathematics, Mechanical and Off-shore Engineering, Nutritional Science, Pharmacy, Physics, Social Studies; 270 lecturers, 4,200 students; library of 100,000 vols.; Dir. PETER CLARKE, PH.D.

Royal Military College of Science: Shrivenham, Swindon, Wilts.; f. 1864; officer students and civilians holding Shrivenham Scholarships, County Awards and Army Cadetships are prepared for degrees in Engineering and Applied Science under auspices of Council for National Academic Awards (CNAA); Army Officers from the Home and Commonwealth armies take postgraduate courses and officers of the three services take specialist scientific course; residential; 100 teachers, including 7 full and 13 assoc. profs.; library of 80,000 vols.; Commandant Maj.-Gen. T. L. MORONY, O.B.E.; Dean F. J. M. FARLEY, SC.D., PH.D., M.A., F.INST.P., F.B.C.S., F.R.S.; Academic Registrar Lt.-Col. (retd.) P. J. KNOTT, M.A.

Royal Naval College, Greenwich: London, SE10 9NN; f. 1873; courses in Nuclear Science and Technology to C.N.A.A. M.Sc. level, junior, intermediate and senior courses in Naval Staff Training; library of 36,000 vols.; Pres. Rear-Adm. A. J. COOKE; Dir. of Studies and Dean of the College Capt. D. C. F. WATSON, M.A., F.I.M.A., R.N.; Librarian Mrs. J. M. BLACKLAW, A.L.A.

NORTHERN IRELAND

Population 1,538,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agricultural Research Institute of Northern Ireland: Hillsborough, Co. Down; Dir. and Sec. Prof. J. C. Murdoch, Ph.D.

Arts Council of Northern Ireland: 181a Stranmillis Rd., Belfast, BT9 5DU; f. 1943; the Council is charged with developing the practice and appreciation of the arts throughout Northern Ireland. It maintains a gallery and subvents the Ulster Orchestra, Theatre, Ballet and Opera Companies, literary publications and festivals; Chair. Dr. A. S. Worrall, O.B.E.; Dir. K. Jamison, O.B.E.; publs. *Annual Report*, catalogues.

Belfast Natural History and Philosophical Society: c/o Linen Hall Library, 17 Donegall Sq. N., Belfast; f. 1821; 100 mems.; Hon. Sec. N. McNeilly, M.B.E., B.A.; publ. *Proceedings and Reports.*

Observatory, The: Armagh; f. 1790 by Primate Robinson; it possesses an 18/12-in. Schmidt telescope, a 10-in. refractor, and, together with Dunsink Observatory, a 36/32-in. telescope in South Africa; library of 4,000 vols.; Dir. Dr. Mart de Groot; Research Associate Dr. E. J. Öpik; Astronomers A. D. Andrews, C. J. Butler, R. H. Wilson; Sec. Miss Sheelagh Grew; Dir. of Planetarium Terence Murtagh; publs. *Armagh Observatory Contributions* and leaflets.

PEN Club: 14 Ashley Gardens, Belfast, BT15 4DN; f. 1937; 30 mems.; Chair. and Sec. Mrs. J. Cooper Foster.

Ulster Archaeological Society: Archaeology Dept., The Queen's University of Belfast, Belfast, BT7 1NN; Pres. Prof. E. Estyn Evans, C.B.E., M.A., D.Sc., F.S.A., M.R.I.A.; Hon. Sec. T. E. McNeill, M.A., Ph.D.; publ. *Ulster Journal of Archaeology*†.

Veterinary Research Laboratories: Stormont, Belfast; part of Department of Agriculture; library of 8,000 vols.; Dir. Prof. C. Dow, Ph.D., B.V.M.S., M.R.C.V.S., M.R.C.Path.

LIBRARIES

Belfast Library and Society for Promoting Knowledge (Linen Hall Library): Donegall Square North, Belfast; f. 1788; over 250,000 vols.; 1,800 mems. and subscribers; special features are the Gibson Collection of Burns and Burnsiana, the Ewart Collection of books on textile manufactures, Belfast-printed books, etc., and the Belshaw Collection; Librarian James W. Vitty, M.A.

Belfast Public Libraries: Central Library, Royal Ave., Belfast, BT1 1EA; f. 1888; 10 branch libraries, 1 part-time centre and 3 mobile libraries; Humanities Library 98,400 vols.; special collections: Irish Library 51,700 books, pamphlets and MSS. on all aspects of Ireland, Ulster and Belfast; Bibliographic collection of 6,500 vols.; Fine Arts Library—special collections: Music Library 13,700 vols. and Gramophone Record Library; Science Library 50,000 vols.; Patents Collection Book Headquarters Collection (Central Reserve); Central Lending Library; microfilm holdings; magnaprint reader/printer; City Librarian I. A. Crawley, F.L.A.

Magee University College Library: Northland Rd., Londonderry, BT48 7JL; f. 1865; 98,000 books and pamphlets; special collections: Spalding Collection on Eastern civilizations, Irish Collection, Irish Presbyterianism Londonderry Local Collection, and Incunabula; MSS include Steward, Deuchanel and Witherow Collections; Librarian Graham White, M.A., F.L.A.

New University of Ulster Library: Coleraine, Co. Londonderry, BT52 1SA; f. 1968; *c.* 175,000 vols. and pamphlets; considerable holdings of microtexts; European Documentation Centre; Special collections: Henry Morris Irish Collection; Headlam-Morley Collection relating to World War I; Paul Ricard Collection relating to World War II; Stelfox Natural History Collection; MSS. of Denis Johnston; Henry Davis Gift of incunabula and rare books; Librarian F. J. E. Hurst, M.A., A.L.A., F.L.A.I.

North-Eastern Education and Library Board, Library Service: Demesne Ave., Ballymena, Co. Antrim; f. 1922, reorganized 1973; 1,000,000 vols.; 30 brs., 13 mobile libraries; Chief Librarian J. P. E. Francis, B.A., F.L.A.; publs. *Library Bulletin* (quarterly), *Select List of Additions* (monthly), *Additions to Local Collection* (quarterly).

Public Library: Armagh; f. 1771 by Primate Richard Robinson; Ref. Dept. about 30,000 vols., Lending Dept. about 10,000; Dean Swanzy's special collection of genealogical works and Army Lists; history, theology, philosophy; largely antiquarian; MSS. include copies of Primatial Registers from 1362; (genealogical research not undertaken); Keeper Very Rev. Henry A. Lillie, M.A.; Deputy Librarian Mrs. R. I. Lillie, B.A.

Queen's University Library: Belfast; f. 1849; 710,000 books, pamphlets, manuscripts, theses and microforms; special collections: Hibernica Collection (incl. R. M. Henry Collection, O'Rahilly Collection), Antrim Presbytery Library, MacDouall Collection (Philology), Hamilton Harty Music Collection, Thomas Percy Library; Librarian A. Blamire, M.A., A.L.A.; publs. *Irish Naturalists Journal*† (quarterly), *Northern Ireland Legal Quarterly*†, *Wiles Lectures*† (annual), *Inaugural Lectures*†, *Statistical and Social Inquiry Society of Ireland Journal*† (annual).

South Eastern Education & Library Board: Windmill Hill, Ballynahinch, Co. Down; f. 1973; 21 brs., 7 mobile libraries; 129,500 mems.; 734,500 vols.; Chief Librarian D. H. Welch, F.L.A.; publs. *Drumlin: Books and Pamphlets added to the Irish Collection* (every 2 months), *Clipping* (weekly), *Info Dig* (monthly).

MUSEUMS

County Museum: The Mall East, Armagh; f. 1935; collection of material illustrative of local history, antiquities and natural history; Curator D. R. M. Weatherup, F.M.A.

Queen's University Museums: Belfast; five museums: Classical Archaeology, Geology, Materia Medica, Pathology and Zoology.

Ulster Folk and Transport Museum: Cultra Manor, Holywood, Co. Down; a national Museum comprising the Ulster Folk Museum and the former Belfast Transport Museum; library of 15,000 vols.; Chair. of Board of Trustees J. Ll. MacQuitty, Q.C.; Dir. G. B. Thompson, O.B.E., M.Sc., F.M.A.; publs. *Ulster Folklife*† (annual), *Ulster Folk and Transport Museum Year Book*†.

Folk Museum: f. 1958; opened to public 1964; 136-acre estate in which authentic buildings illustrating Ulster folk-life are being re-erected; twelve reconstructions complete, three in progress.

Transport Museum: f. 1962, merged with Folk Museum 1967; being transferred to new premises in a 40-acre site adjoining the Folk Museum's estate; first group of new transport galleries opened May 1976.

Ulster Museum: Botanic Gardens, Belfast, BT9 5AB; est. under municipal management 1890 in the Central Public Library; transferred to new building 1929; since April 1962 national museum administered by Board of Trustees; contains collections of fine and applied arts, coins, medals, Irish antiquities, ethnography, industrial technology, local history, and natural sciences; library of 12,000 vols.; Dir. Dr. W. A. McCUTCHEON, M.A., F.S.A., F.R.G.S.

UNIVERSITIES AND COLLEGES

NEW UNIVERSITY OF ULSTER

COLERAINE, CO. LONDONDERRY
Telephone: Coleraine 4141.

Founded 1965; opened October 1968.

Chancellor: The Duke of ABERCORN, D.LITT.

Vice-Chancellor: W. H. COCKCROFT, M.A., D.PHIL.

Registrar: W. T. EWING, M.A., LL.B., J.P.

Librarian: F. J. E. HURST, M.A., F.L.A.I.

Number of teachers: 250.

Number of students: 2,100, including *c.* 200 postgraduates.

Publications: *Prospectus, Graduate Studies, Calendar, Report to the Court.*

DEANS:

School of Social Sciences: J. C. LEHANE, M.ECON.SC.

School of Physical Sciences: F. L. SWINTON, PH.D., F.R.S.E.

School of Humanities: R. G. USSHER, M.A., PH.D.

Education Centre: J. E. NESBITT, M.A., PH.D.

School of Biological and Environmental Studies: K. L. WALLWORK, M.A., PH.D.

Institute of Continuing Education: H. T. SOCKETT, M.A., PH.D.

PROFESSORS:

School of Biological and Environmental Studies:
BARBOUR, K. M., M.A., D.PHIL., Geography
LYNN, R., M.A., PH.D., Psychology
MACFADYEN, A., M.A., D.SC., Biology
NEWBOULD, P. J., M.A., PH.D., Biology
WOOD, R. B., PH.D., Biology

Education Centre:
JENKINS, D., M.A.
NESBITT, J. E., M.A., PH.D.

School of Social Sciences:
GIBSON, N. J., PH.D., Economics
GRIFFITHS, J. H., B.A., Social Administration
MORTON-WILLIAMS, P., PH.D., Sociology and Social Anthropology
SPENCER, J. E., B.SC., Economics

School of Humanities:
JOLLES, F. E. F. M.A. DR.PHIL., German
LELIÈVRE, F. J., M.A., Greek and Latin
McCRACKEN, J. L., M.A., PH.D., History
MURPHY, A. B., M.A., Modern Languages
NICHOLL, H. F., M.A., M.LITT., Philosophy
RENWICK, J. P., M.A., PH.D., Modern Languages (French)
THOMSON, A. W., M.A., English
WALLACE, W. V., M.A., History

School of Physical Sciences:
BEST, G. T., Physics
GRUNDON, M. F., M.A., D.PHIL., M.R.I.A., F.R.I.C., Chemistry
HENSTOCK, R., M.A., PH.D., F.I.M.A., F.R.S.S., Mathematics
SWINTON, F. L., PH.D., Chemistry
YOUNG, A., PH.D., F.B.C.S., F.I.M.A., F.R.A.S., Mathematics

Institute of Continuing Education:
BADLEY, F. S., B.A.(ADMIN.)
CARTER, D. T., M.A., M.S., PH.D.
SMITH, R. D., M.A.
SOCKETT, H. T., M.A., PH.D

INCORPORATED COLLEGE:

Magee University College: Northland Rd., Londonderry, BT48 7JL; Tel.: Londonderry 65621. Opened in 1865. During the existence of the Royal University of Ireland (1879–1908) the college was one of the five recognized institutions composing that university; since 1970 it has been associated with the New University of Ulster and has become the centre for an Institute of Continuing Education, a Teachers' Centre and for other academic activities; Pres. Prof. F. J. LELIÈVRE, C.B.E., M.A.; Dir. Prof. H. T. SOCKETT, M.A., PH.D.; College Admin. Officer J. W. TAGGART; Library: *see* Libraries.

QUEEN'S UNIVERSITY OF BELFAST

UNIVERSITY RD.,
BELFAST, BT7 1NN
Telephone: Belfast 0232-45133.

Founded as Queen's College in 1845, received University Charter in 1908.

State control; Language of instruction: English; Academic year: October to September.

Chancellor: The Rt. Hon. Lord ASHBY OF BRANDON, D.SC., M.A., F.R.S.

President and Vice-Chancellor: P. FROGGATT, M.A., M.D., PH.D., D.P.H., F.F.C.M., F.R.C.P.I., M.R.C.P., F.F.O.M., F.F.C.M.IRE.

Secretary: R. G. TOPPING, V.R.D., M.A.

Secretary to Academic Council: A. H. GRAHAM, M.A.

Librarian: A. BLAMIRE, M.A., A.L.A.

Library: *see* Libraries.

Number of full-time academic staff: 756, including 87 professors.

Number of students: *c.* 5,816 full-time, *c.* 925 part-time.

Publications: *Calendar, General Prospectus*†, *Faculty Prospectuses*†, *Postgraduate Prospectus*†, *Student Accommodation Handbook*†, *Entrance Requirements Handbook*†, *Higher Degrees and Postgraduate Courses Handbook*†, *Scholarships and Studentships Handbook**, *Institute of Professional Legal Studies Handbook*† (all annual).

DEANS:

Faculty of Arts: Prof. P. S. N. RUSSELL-GEBBETT.

Faculty of Science: Prof. R. S. ASQUITH.

Faculty of Law and Jurisprudence: Prof. C. M. CAMPBELL.

Faculty of Medicine: Prof. I. C. RODDIE.

Faculty of Economics and Social Sciences: Prof. C. EHRLICH.

Faculty of Applied Science and Technology: Prof. W. D. RYAN.

Faculty of Theology: Prof. W. L. WARREN.

Faculty of Agriculture and Food Science: Prof. J. R. MURDOCH.

Faculty of Education: Prof. W. KIRK.

PROFESSORS:

Faculty of Arts:
ASTIN, A. E., M.A., M.R.I.A., Ancient History
BLACKING, J. A. R., M.A., PH.D., D.LITT. F.R.A.I., Social Anthropology
BRAIDWOOD, J., M.A., English Language and Literature
DOLLEY, M., B.A., M.R.I.A., F.S.A., F.R.HIST.S., Historical Numismatics
EVANS, J. D. G., M.A., PH.D., Logic and Metaphysics
GOODING, D. W., M.A., PH.D., M.R.I.A., Old Testament Greek
GREER, DAVID C., M.A., Music
HARKNESS, D. W., M.A., PH.D., F.R.HIST.S., Irish History
HUXLEY, G. L., M.A., F.S.A., M.R.I.A., Greek

McEvoy, J. J., D.PHIL., M.A., Scholastic Philosophy
McGann, M. J., B.LITT., M.A., Latin
Radford, C. B., M.A., PH.D., French
Russell-Gebbett, P. S. N., M.A., PH.D., Spanish
Singh, G. S., M.A., PH.D., DOTT.LETT., Italian
Smallwood, E. Mary, M.A., PH.D., Romano-Jewish History
Wagner, H. H., DR.PHIL., M.R.I.A., Celtic Studies and Comparative Philology
Warren, W. L., M.A., D.PHIL., M.R.I.A., F.R.HIST.S., F.R.S.L., Modern History
Wells, D. A., M.A., PH.D., German
Wheeler, M. C. C., M.A., B.LITT., Slavonic Studies

Faculty of Science:

Asquith, R. S., M.A., PH.D., F.S.D.C., C.CHEM., F.R.I.C., F.T.I., Industrial Chemistry
Bacon, R. G. R., D.I.C., PH.D., Organic Chemistry
Bates, Sir David, D.SC., M.R.I.A., F.R.S., Theoretical Physics (Special Research Chair)
Brown, K., M.A., A.PS.S.I., F.B.PS.S., Psychology
Burke, P. G., PH.D., M.R.I.A., F.R.S., Mathematical Physics
Burns, D. T., PH.D., D.SC., F.I.C.I., C.CHEM., F.R.I.C., Analytical Chemistry
D'Arcy, P. F., PH.D., D.SC., F.P.S., C.CHEM., F.R.I.C., M.P.S.N.I., Pharmacy
Elmore, D. T., PH.D., A.R.C.S., Biochemistry
Gilbody, H. B., PH.D., F.I.P., M.R.I.A., Physics
Glockling, F., PH.D., D.SC., Inorganic Chemistry
Grigg, R., GRAD.R.I.C., PH.D., Organic Chemistry
Ivin, K. J., PH.D., SC.D., C.CHEM., F.R.I.C., M.R.I.A., Physical Chemistry
Jope, E. M., B.SC., M.A., F.S.A., F.B.A., M.R.I.A., Archaeology
Kirk, W., B.A., F.S.A.SCOT., Geography
Lissberger, P. H., PH.D., F.I.P., Physics
Maddox, I. J., PH.D., D.SC., F.I.M.A., Pure Mathematics
Moiseiwitsch, B. L., PH.D., M.R.I.A., Applied Mathematics
Owen, G., D.SC., M.R.I.A., F.I.BIOL., Zoology
Schwarzacher, W., D.PHIL., F.G.S., Mathematical Geology
Simon, E. W., M.A., D.PHIL., D.SC., F.I.BIOL., Botany
Smith, F. J., PH.D., F.I.M.A., F.B.C.S., M.R.I.A., Computer Science
Threadgold, L. T., PH.D., SC.D., F.I.BIOL., Parasitology
Wright, A. D., PH.D., F.G.S., Geology

Faculty of Law:

Campbell, C. M., LL.B., Jurisprudence
Greer, Desmond S., B.C.L., LL.B., Law
Hornsey, G., LL.M., Commercial Law
Lawton, A. D., LL.B., B.SC.(ECON.), DIP.DR.COMP., Civil Law

Faculty of Medicine:

Adams, C. P., M.D.S., F.D.S.R.C.S., F.F.D.R.C.S.I., D.ORTH.R.C.S., Orthodontics
Alldritt, W. A. S., M.D.S., F.D.S.R.C.S., F.F.D.R.C.S.I., Periodontics
Archer, D. B., M.B., D.O., F.R.C.S., Ophthalmology
Bridges, J. B., T.D., B.SC., M.D., Physiology
Buchanan, K. D., PH.D., M.D., F.R.C.P., Metabolic Medicine
Carré, I. J., M.A., M.D., F.R.C.P., F.R.C.P.I., D.C.H., Child Health
Dundee, J. W., M.D., PH.D., F.F.A.R.C.S., M.R.C.P., Anaesthetics
Fenton, G. W., M.B., F.R.C.P.ED., F.R.C.PSYCH., M.R.C.P., D.P.M., Mental Health
Fraser, K. B., M.C., M.D., D.SC., F.R.S.E., Microbiology
Gillies, R. R., M.D., F.R.C.P.ED., F.R.C.PATH., D.P.H., Clinical Bacteriology
Irwin, W. G., M.D., F.R.C.G.P., General Practice
Love, A. H. G., B.SC., M.D., F.R.C.P., Gastro-Enterology
Lowry, W. S. B., M.SC., M.B., D.M.R.T., F.R.C.R., F.R.C.P.I., Cancer Studies
McDevitt, D. G., D.SC., M.D., F.R.C.P., F.R.C.P.I., Clinical Pharmacology
McKeown, E. Florence, M.D., D.SC., F.R.C.PATH., F.R.C.P., Morbid Anatomy
Nevin, N. C., B.SC., M.D., F.R.C.P., Medical Genetics
O'Brien, F. V., B.D.S., M.B., F.D.S.R.C.P.S., Dental Surgery
Pinkerton, J. H. McK., M.D., F.R.C.O.G., F.R.C.P.I., Midwifery and Gynaecology
Pritchard, J. J., B.SC., M.A., B.CH., D.M., F.R.C.S., Anatomy
Roddie, I. C., T.D., M.D., D.SC., F.R.C.P.I., M.R.I.A., Physiology
Roy, A. D., M.B., CH.B., F.R.C.S., F.R.C.S.ED., Surgery
Shanks, R. G., D.SC., M.D., M.R.C.P., M.R.C.P.ED., Clinical Pharmacology
Stout, R. W., M.D., M.R.C.P., Geriatric Medicine
Swallow, J. N., M.D.S., Restorative Dentistry
Vallance-Owen, J., M.A., M.D., F.R.C.P., F.R.C.PATH., Medicine

Faculty of Economics and Social Sciences:

Bates, J. A., PH.D., F.B.I.M., Business Studies
Black, R. D. C., B.COMM., M.A., PH.D., M.R.I.A., F.B.A., Economics
Black, W., PH.D., Applied Economics
Brown, M. J., M.S.W., PH.D., Social Administration and Social Work
Ehrlich, C., PH.D., Economic and Social History
Lawrence, R. J., PH.D., Political Science
Wallis, R., D.PHIL., Sociology

Faculty of Applied Science and Technology:

Benham, P. P., PH.D., D.SC., C.ENG., F.I.MECH.E., F.P.R.I., M.R.AE.S., Aeronautical Engineering
Blair, G. P., PH.D., C.ENG., F.I.MECH.E., M.S.A.E., Mechanical Engineering
Crossland, B., PH.D., D.SC., C.ENG., F.I.MECH.E., F.I.PROD.E., F.I.W., M.R.I.A., Mechanical Engineering
Jennings, A., D.SC., C.ENG., F.I.M.A., M.R.AC.S., M.I.STRUCT.E., Civil Engineering
Kidd, W. J., B.ARCH., R.I.B.A., Architecture
Long, A. E., PH.D., C.ENG., M.I.C.E., Civil Engineering
McKie, R. L. G., M.A., PH.D., Town and Country Planning
Roberts, A. P., D.I.C., PH.D., F.I.M.A., Engineering Mathematics
Ryan, W. D., M.SC., PH.D., C.ENG., F.I.E.E., Electronics

Faculty of Agriculture and Food Science:

Dow, C., PH.D., M.R.C.V.S., F.R.C.PATH., Comparative Pathology
Furness, G. W., M.SC., Agricultural Economics
McKee, R. K., M.A., PH.D., A.I.C.T.A., Mycology and Plant Pathology
Murdoch, J. C., PH.D., Crop and Animal Production
Murray, J. G., M.AGR., PH.D., F.I.F.S.T., Agricultural and Food Bacteriology
Todd, J. R., M.AGR., PH.D., C.CHEM., F.R.I.C., F.I.F.S.T., Agricultural and Food Chemistry
Wright, C. E., PH.D., F.I.BIOL., Agricultural Botany

Faculty of Education:

Cathcart, H. R., M.A., PH.D., Education
Fulton, J. F., M.A., PH.D., Education
Knox, H. M., M.A., M.ED., PH.D., Education
Nichols, A. K., M.ED., Dir. of Physical Education
Read, E. C., M.A., B.SC.(ECON.), Dir. of Extra-mural Studies

READERS:

Faculty of Arts:

Broome, P., PH.D., French
Gray, J., M.A., F.R.HIST.S., Modern History
Hamilton, J. N., M.A., PH.D., Celtic
Herivel, J. W., M.A., History and Philosophy of Science
Scott, A. B., D.PHIL., Latin
Stewart, A. T. Q., M.A., PH.D., F.R.HIST.S., Irish History

Faculty of Science:

Bates, B., M.SC., D.I.C., PH.D., M.INST.P., Physics
Bell, K. L., M.A., PH.D., Applied Mathematics and Theoretical Physics
Boyd, D. K., PH.D., C.CHEM., M.R.I.C., Organic Chemistry
Brown, W. P., M.A., PH.D., F.B.PS.S., F.PS.S.T., Psychology
Common, R., PH.D., Geography
Crothers, D. S. F., M.A., PH.D., F.INST.P., F.I.M.A., Applied Mathematics and Theoretical Physics
Galwey, A. K., D.I.C., PH.D., D.SC., C.CHEM., M.R.I.C., Physical Chemistry
Grimshaw, J., PH.D., D.SC., C.CHEM., F.R.I.C., Organic Chemistry
Halton, D. W., PH.D., M.I.BIOL., Zoology
Heal, H. G., PH.D., Inorganic Chemistry
John, P. C. L., PH.D., Botany
Johnston, A. R., PH.D., Physics
Key, M. H., PH.D., A.R.C.S., M.INST.P., Pure and Applied Physics
Kingston, A. E., PH.D., Applied Mathematics and Theoretical Physics
Lewis, F. A., PH.D., Inorganic Chemistry
Malpress, F. H., PH.D., Biochemistry
Martin, S. J., M.SC., PH.D., Biochemistry
Nelson, S. M., D.PHIL., M.SC., PH.D., C.CHEM., M.R.I.C., Inorganic Chemistry
Park, D., PH.D., D.SC., Botany
Pink, R. C., D.SC., C.CHEM., M.R.I.C., Physical Chemistry
Preston, J., PH.D., Geology
Robinson, P. M., PH.D., Botany
Rooney, J. J., PH.D., Physical Chemistry
Rudge, M. R. H., PH.D., Applied Mathematics and Theoretical Physics
Smith, D. L., PH.D., Botany
Stewart, A. L., PH.D., Applied Mathematics and Theoretical Physics
Svehla, G., PH.D., D.SC., C.CHEM., F.R.I.C., Analytical Chemistry
Welsh, J., M.SC., PH.D., Computer Science
Williams, J. F., M.SC., PH.D., F.INST.P., Pure and Applied Physics
Wright, A. L., B.COMM., M.A., Economics

Faculty of Law:

Knight, M. T., M.A., LL.D., Common Law

Faculty of Medicine:

Allen, Ingrid V., M.D., M.R.C.PATH., Neuropathology
Allen, J. D., M.D., Physiology
Clarke, R. S. J., PH.D., M.D., F.F.A.R.C.S., Anaesthetics
Harrison, T. J., M.D., PH.D., Anatomy
McNeill, T. A., B.SC., M.D., Immunobiology
Meban, C., M.D., PH.D., Anatomy
Merrett, J. D., PH.D., Medical Statistics
Parks, T. G., M.CH., F.R.C.S.ED., Surgical Science
Richardson, A., B.D.S., D.P.D., M.SC., F.F.D.R.C.S.I., D.ORTH.R.C.S., Orthodontics
Stewart, D. J., M.D.S., F.D.S.R.C.S., F.F.D.R.C.S.I., Paediatric and Preventive Dentistry

Faculty of Economics and Social Sciences:

Brown, K. D., M.A., PH.D., F.R.HIST.S., Economic and Social History
Clarkson, L. A., PH.D., Economic and Social History
O'Leary, C., M.A., D.PHIL., Political Science
Whyte, J. H., M.A., PH.D., M.R.I.A., Political Science
Wright, A. L., M.A., Economics

Faculty of Applied Science and Technology:

Bahrani, A., M.SC., PH.D., C.ENG., M.I.MECH.E., F.I.W., Mechanical and Industrial Engineering
Dunwoody, J., PH.D., C.ENG., M.I.MECH.E., Engineering Mathematics
Monds, F. C., PH.D., Electrical and Electronic Engineering
Newmann, M. M., PH.D., Engineering Mathematics

Faculty of Agriculture and Food Science:

Balnave, D., PH.D., C.CHEM., F.R.I.C., Agricultural and Food Chemistry
Jackson, N., M.A., PH.D., D.SC., C.CHEM., F.R.I.C., F.I.F.S.T., Agricultural and Food Chemistry
Logan, C., PH.D., Mycology and Plant Pathology
McAllister, J. S. V., O.B.E., D.F.C., D.F.M., PH.D., Agricultural and Food Chemistry
Patterson, J. T., D.I.C., PH.D., F.I.F.S.T., Agricultural and Food Bacteriology
Swinburne, T. R., D.I.C., PH.D., D.SC., A.R.C.S., M.I.BIOL., Mycology and Plant Pathology

Faculty of Education:

Muinzer, L. A., M.A., PH.D., Extra-Mural Studies

Attached Institutes:

Institute of Irish Studies: Dir. E. R. R. Green, M.A., D.PHIL., M.R.I.A.

Institute of Professional Legal Studies: f. 1977; 1-yr. postgraduate course; Dir. J. H. S. Elliott, B.C.L., B.A., LL.B.

THE UNION THEOLOGICAL COLLEGE

BOTANIC AVE.,
BELFAST 7

Telephone: 25374.

Founded 1978 as result of merger of Assembly's College (founded 1847) and Magee Theological College, Londonderry. The members of faculty constitute the Presbyterian Theological Faculty, Ireland, which grants the theological degrees of B.D. and D.D. It is situated in close proximity to Queen's University and is a recognized College of the University. This institution is for the training of students for the Ministry of the Presbyterian Church.

Principal: Rev. Prof. J. M. Barkley, M.A., PH.D., D.D.
Vice-Principal: Rev. Prof. E. A. Russell, B.A., M.TH., D.D.
Secretary: Rev. Prof. J. S. McIvor, B.A., B.D., PH.D.
Warden: Rev. Prof. J. R. Boyd, B.A., B.D.
Librarian: Miss Anne McConnell, M.A., B.D.

Library: 22,000 vols.

Number of teachers: 9, including 6 professors.

Number of students: 68 men, 2 women.

Professors:

Barkley, Rev. J. M., M.A., PH.D., D.D., Church History
Boyd, Rev. J. R., B.A., B.D., Christian Ethics
Holmes, Rev. R. F. G., M.A., M.LITT., Church History
McIvor, Rev. J. S., PH.D., Old Testament
Russell, Rev. E. A., B.A., M.TH., D.D., New Testament
Thompson, Rev. J., PH.D., Systematic Theology

BELFAST COLLEGE OF TECHNOLOGY

BELFAST, BT1 6DJ

Erected by the Council of the County Borough of Belfast, under the control of the Belfast Education and Library Board. Founded 1901. Opened in 1907.

Principal: W. F. K. Kerr, M.SC., PH.D., C.ENG., F.I.MECH.E.
Vice-Principal: G. McBratney, B.SC., C.ENG., F.I.MECH.E.
Registrar: R. Hodgett.

ULSTER COLLEGE THE NORTHERN IRELAND POLYTECHNIC

JORDANSTOWN,
NEWTOWNABBEY,
CO. ANTRIM, BT37 0QB

Telephone: Whiteabbey 65131.

Founded 1971.

State control; Language of Instruction: English; Academic year: September to July.

Faculties of Science, Technology, Business Administration, Social and Health Sciences, Education, Arts, and a Centre for Management Education.

Director: Derek Birley, M.A.
Pro-Directors: Anne E. H. Dufton, M.A., R. I. Houston, M.S., M.I.E.E., R. H. McGuigan, PH.D., F.I.MECH.E., M.I.PROD.E., O. M. White, M.SC., PH.D., F.INST.P.
Academic Registrar: P. J. Conway, B.A.
Librarian: B. G. Baggett, B.SC., M.I.INF.SC.

Number of teachers: 519.

Number of students: 3,670 full-time, 3,199 part-time.

Deans:

Arts: (vacant).
Business Administration: J. A. O'Reilly, B.COMM., M.B.A., M.H.C.I.M.A.
Management and Continuing Education: (vacant).
Science: J. A. Magowan, M.SC., PH.D.
Social and Health Sciences: R. A. F. Ellis, B.A., A.B.PS.S.
Technology: J. P. O'Donoghue, PH.D., C.ENG., M.I.MECH.E., M.I.PROD.E., MEM.A.S.M.E.
Education: C. Wright, PH.D.

UNITED KINGDOM

OVERSEAS TERRITORIES AND PROTECTED STATES

ASCENSION ISLAND

Ascension Historical Society: Fort Hayes Museum, Georgetown; information on the South Atlantic islands of Ascension, St. Helena and Tristan da Cunha, especially their unique natural history.

Fort Hayes Museum: Georgetown; museum in 19th-century fort; local volcanic geology and natural history displays; collection of hand-blown bottles; naval artefacts; amateur astronomical observatory; library of Ascension and St. Helena material, early maps, photographs and paintings; Curator John E. Packer.

BELIZE

The Baron Bliss Institute: Belize City; handed to the Government by the Baron Bliss Trust in 1954; has a dramatic stage and auditorium, lecture rooms, an exhibition hall; houses the Central Library of the National Library Service and a Resource Centre of the Curriculum Development Unit of the Ministry of Education; museum exhibits three stelae excavated from the Maya ruins at Xunantunich in the Cayo District.

National Library Service: P.O.B. 287, Belize City; conducted by the Government through the Ministry of Education and a statutory Library Board. The Central Library and Headquarters are in the Bliss Institute, Belize City. There are also a Technical/Reference Library, a Children's Library and a Branch Library in Belize City, branches in all the main towns and sub-libraries in villages, making a total of 78 service points. The Central Library also includes a National Collection. Total book stock: 102,000 vols.; Librarian Alice R. Gibson, A.L.A.

COLLEGES

Belize Technical College: Belize City; f. 1952; 20 teachers, 253 students; Principal C. E. Gillett.

Fletcher College: Corozal, Belize, C.A.; f. 1962; 11 teachers, 150 students; Principal G. A. Harrison Pilgrim.

University of the West Indies Extra-Mural Department: University Centre, Belize City.

Wesley College: Belize City; 26 teachers, 476 students.

BERMUDA

LEARNED SOCIETIES

Astronomical Society of Bermuda: P.O.B. 1054, Hamilton 5; Pres. Morley E. B. Nash, M.D.; Sec. C. McGonagle; publs. *Bermuda Sky Watch, Cosmos.*

Bermuda Audubon Society: P.O.B. 1382, Hamilton 5; Pres. David Wingate, M.B.E., B.SC.; publ. *Newsletter.*

The Bermuda Society of Arts: Art Gallery, City Hall, P.O.B. 1202, Hamilton 5; f. 1956; 300 mems.; Pres. Dr. Marjorie Bean; Curator Mrs. Pamela Darrell.

The Bermuda National Trust: P.O.B. 61, Hamilton 5; f. 1970 to promote the preservation of lands and buildings of national or historic interest; 2,000 mems.; Pres. Michael Darling; Dir. W. S. Zuill; publ. *Newsletter* (quarterly).

Bermuda Historical Society: Par-la-Ville, Hamilton; 180 mems.; Pres. Sir Dudley Spurling, C.B.E., J.P.

Bermuda Technical Society: P.O.B. 151, Hamilton 5; *c.* 85 mems.; Pres. W. R. Holland; Sec. Allan Blundell.

Royal Commonwealth Society, Bermuda Branch: P.O.B. 1245, Hamilton 5; Chair. John Gilbert; Hon. Sec. Ian K. M. Esslemont.

St. George's Historical Society: Cnr. Duke of Kent St. and Featherbed Alley, St. George's; 109 mems.; Pres. Mrs. W. Olivey; Curator Mrs. Elizabeth E. Frith.

RESEARCH INSTITUTES

Bermuda Department of Agriculture and Fisheries: Paget East, Bermuda; f. 1898; Dir. Idwal W. Hughes, M.S.A., PH.D.; Asst. Dirs. Edward A. Manuel, B.S.A. (Agriculture), James Burnett-Herkes, M.SC., PH.D. (Fisheries); publs. *Annual Report, Monthly Bulletin,* occasional special reports.

Bermuda Biological Station for Research: St. George's W., 1–15; f. 1903; research in nearly all aspects of marine sciences and oceanography; summer courses organized in marine invertebrates, embryology, geology, etc. and high school and college facilities for instruction in marine sciences; a 65 ft. research ship is attached to the station, also a number of smaller boats for inshore work; library of over 11,000 vols.; Pres. Dr. W. Redwood Wright; Dir. Dr. Wolfgang Sterrer; publs. *Contributions*†, *Special Publications.*

LIBRARIES AND MUSEUMS

Bermuda Archives: Par-la-Ville, Hamilton; f. 1949; only repository for official and non-governmental records; Archivist Helen Rowe.

Bermuda Library: Par-la-Ville, Hamilton 5-31; f. 1839; national and public library services; 131,454 vols.; special collection of Bermudiana; br. libraries in St. George's and Somerset; Librarian Mrs. Mary Skiffington, A.L.A.

Bermuda Maritime Museum: P.O.B. 273, Somerset 9; f. 1975; area includes fortress of Bermuda Dockyard and exhibits representing Bermuda maritime history; Chair. Dr. J. C. Arnell; Sec.-Treas. J. D. Robinson.

Confederate Museum: (mailing address: P.O.B. 61, Hamilton 5); situated in St. George's; administered by the Bermuda National Trust; displays depicting Bermuda's role in the American Civil War; collection of antique furniture; Dir. W. S. Zuill.

Government Aquarium, Museum and Zoo: The Flatts; f. 1928; live zoological collection, local natural history and other exhibits; Curator David D. Lonsdale.

President Henry Tucker House: (mailing address: P.O.B. 61, Hamilton 5); situated in St. George's; administered by the Bermuda National Trust; historic house with period furniture; Dir. W. S. Zuill.

Verdmont: Collector's Hill, Smith's Parish (P.O.B. 61, Hamilton); administered by Bermuda National Trust; historic house with period furniture; Dir. W. S. Zuill.

COLLEGE

BERMUDA COLLEGE

Prospect, Devonshire

Chief Executive Officer: A. C. H. Hallett.

Number of teachers: *c.* 90.
Number of students: *c.* 2,000 (day and evening).

Heads of Departments:

Commerce and Technology: G. Spencer, b.a.
Academic Studies: G. Cook, d.phil.
Hotel Technology: A. M. Barnes, f.h.c.i.m.a., f.c.m.a.

GIBRALTAR

LEARNED SOCIETIES

The Gibraltar Society: John Mackintosh Hall, Gibraltar; f. 1929; for the advancement of general knowledge of Gibraltar and its environs; 301 mems.; Chair. E. A. J. Canessa; Hon. Sec. E. F. J. Garcia.

Calpe Institute, The: 277 Main St.; f. 1944; Centre to foster cultural, educational and recreational facilities in Gibraltar; there is also a lending library with some 5,000 vols.; Pres. H.E. The Governor; Dir. E. A. C. Hunt.

LIBRARIES AND MUSEUM

Gibraltar Garrison Library: f. 1793; extensive reference section, 38,000 vols.; Sec. J. Halmshaw.

Calpe Institute Library: 277 Main St.; lending library with 5,000 vols.

Gibraltar Museum: Bomb House Lane; f. 1930; controlled by a Committee of Management appointed by the Governor; collection of local Natural History, Archaeology (especially Palaeolithic and Phoenician) and History (especially Local and Military); Curator/Archivist J. Bensusan.

HONG KONG

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Asia Foundation, The: P.O.B. 1738, Hong Kong; f. 1954; one of 14 branches of the main organization in the U.S.A. (*q.v.*); to support Asian social, educational, economic and cultural development, and regional co-operation among Asian countries; Rep. Frank E. Dines.

British Council: Easey Commercial Bldg., 253-61 Hennessy Rd., Wanchai; Rep. P. K. Cavaye; libraries: *see* Libraries.

Goethe Institut: 141 Des Voeux Rd. Central, P.O.B. 5531, Hong Kong; f. 1962; Concerts, Filmshows, Exhibitions, Lectures; information service; Language classes; Library of 4,650 vols.; Dir. Dr. R. Thoma.

Hong Kong Chinese PEN Centre: Victoria Park Mansion, 15th floor, Flat A, Paterson St.; f. 1955; 85 mems.; library of 1,600 vols.; Pres. Lo Hsiung-Lin; Sec. William Hsu; publ. *PEN News* (weekly in Chinese).

Hong Kong Library Association: c/o The Library, University of Hong Kong, Pokfulam Rd.; f. 1958; 200 mems.; Chair. R. W. Frenier; Hon. Sec. W. H. Tam; publs. *Journal*, *Newsletter*.

Royal Asiatic Society, Hong Kong Branch: P.O.B. 3864, Hong Kong; f. 1847, re-established 1959; for the encouragement of the arts, science and literature in relation to Hong Kong; lectures and social activities; 423 mems., 94 overseas mems.; library of 870 vols.; Pres. Dr. M. Topley; Hon. Sec. Dr. B. J. Shaw; publ. *Journal*†.

Royal Observatory: Hong Kong; f. 1884; library of 12,200 vols.; Dir. G. J. Bell; publs. *Meteorological Results* (annually), *Astronomical Tables and Star Charts* (annually), *Departmental Reports* (annually), *Extracts of Meteorological Observations* (monthly), *Weather Summaries* (monthly), *Radioactivity Bulletins* (monthly), *Weather Maps* (daily), *Rainfall Chart* (monthly and annually), *Technical Note*† (irregularly), *Climatological Note*† (irregularly), *Technical Memoir*† (irregularly), *Seismological Bulletins* (monthly), *Forecasters' Note* (irregularly), *Magnetic Results* (annually).

Union Research Institute: 9 College Rd., Kowloon; f. 1951; private institution affiliated to Union Cultural Organization Ltd.; studies of contemporary Chinese affairs, including material, research and publication programmes; 31 mems.; library of 30,000 vols.; Dir. William Hsu; Sec.-Gen. Wang Tsien-wu; publs. *Chung-hua Yueh-pao* (China Monthly), *Union Research Service* (twice a week in English).

LIBRARIES

British Council Library: Easey Commercial Bldg., 253-61 Hennessy Rd., Wanchai; 16,391 vols., 95 periodicals; Librarian Mrs. C. H. Jen.

Chinese University of Hong Kong Library System: Shatin, New Territories; f. 1963; over 600,000 vols. in Oriental and Western languages, 3,801 current periodicals and 4,696 reels of microfilms; special collections: rare Chinese books, Korean 13th-century *Tripitaka* printed from wood blocks; University Librarian Kan Lai-bing, m.a., m.l.s., ph.d.; Branch Libraries:

- **Chung Chi College Library:** f. 1951; 136,185 vols.; 384 reels microfilm; 478 current periodicals; Librarian Mrs. Sylvia Lo Shen, b.s.e., m.l.s.
- **New Asia College Library:** f. 1949; 83,932 vols.; 298 current periodicals; special collections: sets of microfilms of 106 titles of rare Chinese books and 6,980 Tun Huang MSS; Librarian Poon Wah-tung, b.a., f.l.a.
- **United College Library:** f. 1956; 118,714 vols.; 431 current periodicals; special collections: modern Chinese drama comprising *c.* 1,850 titles; collection of 56 oracle bones; Librarian Liu Ching, m.a.

Hong Kong Junior Chamber of Commerce Libraries: 24 Ice House St., 4th Floor, Hong Kong; 27 branch libraries for children.

Hong Kong Polytechnic Library and Learning Resources Centre: Kowloon, Hong Kong; f. 1972; 120,000 vols., mostly in English; over 4,000 current periodicals and a large collection of standards and non-print materials; Librarian and Learning Resources Officer: Barry L. Burton, b.a., a.l.a.a., a.m.b.i.m.

Sun Yat-Sen Library: 172-174 Boundary St., Kowloon; f. 1953; public library; 110,000 vols.; Dir. L. S. Wong; Librarian D. Y. Lin, m.f., ll.d.

University of Hong Kong Main Library: f. 1911; contains about 286,000 vols. in Western languages, including the Hong Kong and Morrison collections; *c.* 3,500 current periodicals; Librarian H. A. Rydings, m.b.e., m.a., a.l.a.

- **Fung Ping Shan Library:** f. 1932; in the same building; about 210,000 vols. in Chinese and other oriental languages.

Medical Library: Sassoon Rd.; 45,000 vols., 700 current periodicals.

Law Library: Knowles Bldg., Bonham Rd.; f. 1969; 16,000 vols., 300 current periodicals.

Urban Council Libraries: City Hall, Edinburgh Place, Hong Kong; f. 1962; Waterloo Rd. Branch, Kowloon: f. 1965; Pok Fu Lam Branch, Hong Kong: f. 1970; Yau Ma Tei Branch, Kowloon: f. 1971; Ping Shek Branch, Kowloon: f. 1972; Aberdeen Branch, Hong Kong: f. 1974; Kwun Tong Branch, Kowloon: f. 1975; Mobile Library, Sham Shui Po, Kowloon: f. 1976; joint book-stock of 215,765 vols. in English, 474,300 vols. in Chinese; 1,422 newspapers and periodicals; adult, reference, junior and music libraries; Chief Librarian Timothy A. Chow, L. ÈS L., DIP.LIB., A.L.A.A.

Urban Services Department: Tsuen Wan Public Library, New Territories; f. 1974; book-stock of 5,821 vols. in English, 27,273 vols. in Chinese; adult and junior libraries; publ. catalogue of books printed in Hong Kong (quarterly).

MUSEUMS

Hong Kong Museum of Art: Edinburgh Place, Hong Kong; f. 1962; Chinese antiquities, incl. the Henry Yeung collection; historical paintings, prints and drawings of Hong Kong, Macao and China, incl. Chater, Sayer, Law and Ho Tung collections; contemporary works by local artists; Curator Laurence C. S. Tam.

Hong Kong Museum of History: 4th Floor, Star House, Salisbury Rd., Kowloon, Hong Kong; f. 1975; archaeology, ethnology and local history of Hong Kong, incl. the Fr. Raphael Maglioni and Fr. Daniel J. Finn archaeological collections from Hong Kong and South China; Chinese fishing junk models; historical photographs; active excavations and field work; Lei Cheng Uk Han Tomb and branch museum; Curator B. A. V. Peacock.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF HONG KONG

POKFULAM RD., HONG KONG

Telephone: 5-468161.

Founded 1911.

Chancellor: H.E. The Governor of Hong Kong.

Pro-Chancellor: Sir Albert Rodrigues, C.B.E., E.D., LL.D., J.P.

Vice-Chancellor: Rayson Lisung Huang, C.B.E., D.PHIL., D.SC., F.W.A., F.R.S.A., J.P.

Pro-Vice-Chancellors: Prof. L. K. Young, M.A., D.PHIL., J.P., Prof. A. C. M. C. Yau, M.B., B.S., F.R.C.S., F.A.C.S.

Treasurer: M. G. R. Sandberg, J.P.

Dean of Students: P. M. Whyte, B.A.

Registrar: D. M. Dudgeon, M.A., M.ED.

Secretary: N. J. Gillanders, LL.B., F.C.I.S., F.C.M.A., F.S.C.A., J.P.

Librarian: H. A. Rydings, M.B.E., M.A., A.L.A.

Number of teaching staff: 500 full-time.
Number of students: 4,664.

Publications: *Calendar*†, *Vice-Chancellor's Report*†, *Univ. Gazette*†, *Undergrad* (students), *Interflow*.

Deans:

Faculty of Arts: Dr. N. Lee, M.A., PH.D.

Faculty of Science: Prof. S. C. Chan, PH.D., D.SC., F.R.I.C., F.R.S.A.

Faculty of Medicine: Prof. K. K. Colbourne, M.B., CH.B., F.R.C.P., D.T.M.&H., F.F.C.M.

Faculty of Engineering: Prof. Y. K. Cheung, PH.D., D.SC., DIP.ENG., C.ENG., F.I.C.E., F.I.STRUCT.E., F.I.E.

Faculty of Social Sciences: Prof. J. Aitchison, M.A., F.R.S.

Professors:

Aitchison, J., M.A., F.R.S., Statistics
Binnie Dawson, J. L. M., R.D., D.PHIL., F.B.PS.S., Psychology
Boyde, T. R. C., B.SC., M.D., Biochemistry
Brimer, M. A., M.A., Education
Bruges, E. A., PH.D., F.I.MECH.E., F.I.MAR.E., M.A.S.M.E., Mechanical Engineering
Chan, S. C., PH.D., D.SC., F.R.I.C., F.R.S.A., Chemistry
Chen, Y. M., D.SC., Mathematics
Cheung, Y. K., PH.D., D.SC., F.I.C.E., F.I.STRUCT.E., F.I.A., Civil Engineering
Colbourne, K. K., M.B., CH.B., F.R.C.P., D.T.M. & H., F.F.C.M., Community Medicine
Evans, D. M. E., LL.B., B.C.L., Law
Gibson, J. B., O.B.E., M.D., F.R.C.P., F.R.C.PATH., Pathology
Grant, C. J., PH.D., Geography
Griffiths, D. A., PH.D., D.SC., Botany
Groves, M. C., D.PHIL., Sociology
Harris, P. B., PH.D., D.LITT., Political Science
Hodge, P., M.A., Social Work
Howe, G. L., L.D.S.R.C.S., L.R.C.P., M.R.C.S., M.D.S., F.F.D.R.C.S., Oral Surgery and Medicine
Hsia, R., PH.D., Economics
Hsieh, A. C. L., M.D., D.SC., Physiology
Hutchison, J. H., C.B.E., M.D., F.R.C.P., F.R.S., Paediatrics
King, F. H. H., M.A., D.PHIL., Dir. Centre of Asian Studies
King, S. Y., O.B.E., PH.D., D.I.C., F.I.E.E., S.MEM.I.E.E.E., J.P., Electrical Engineering
Lethbridge, D. G., M.SC., Management Studies
Leung, W. S., PH.D., C.ENG., F.I.E.E., F.I.E.R.E., SEN.M.I.E.E.E., Electrical Engineering
Lisowski, F. P., L.M., PH.D., L.R.C.P.I., L.R.C.S.I., Anatomy
Lofts, B., PH.D., D.SC., F.I.BIOL., Zoology
Lord, R., M.A., Dir. Language Centre
Lumb, P., D.SC.(ENG.), D.I.C., F.I.C.E., F.A.S.C.E., F.G.S., Civil Engineering
Lye, K. C., B.ARCH , M.F.A., M.R.A.I.C., R.I.B.A., Architecture
Ma, H. K., M.B., B.S., F.R.C.O.G., Obstetrics and Gynaecology
Ma, M., M.B.E., B.A., Chinese
Newman, D. J., A.R.C.S., PH.D., D.SC., F.F.I.P., Physics
Ong, G. B., O.B.E., M.D., M.B., B.S., F.R.C.S., F.A.C.S., F.R.A.C.S., F.G.S., J.P., Surgery
Payne, D. S., PH.D., F.R.I.C., A.R.C.S., Chemistry
Preston, P. J., M.R.C.S., L.R.C.P., D.C.H., F.R.S.M., F.R.S.T.M.H., D.T.M. & H., F.R.C.P., Dir. Postgraduate Medical Education
Renson, C. E., L.D.S.R.C.S., PH.D., D.D.P.H.R.C.S., Conservative Dentistry
Reynolds, W. A., M.A., C.ENG., M.I.MECH.E., F.I.PROD.E., M.H.K.I.E., M.A.I.I.E., Industrial Engineering
Roberts, M. B., M.A., D.PHIL., M.B., B.S., L.M.S.S.A., Pharmacology
Singer, K., M.D., F.R.C.P., F.R.C.PSYCH., M.A.N.Z.C.P., F.A.P.A., Psychiatry
Spencer, J. W., M.A., English
Todd, D., M.D., F.R.C.P., F.R.A.C.P., Medicine
Willoughby, P. G., LL.M., Law
Yau, A. C. M. C., M.B., B.S., F.R.C.S., F.A.C.S., Orthopaedic Surgery
Young, L. K., M.A., D.PHIL., J.P., History
Young, R. T. T., M.D., F.R.C.P., F.R.A.C.P., J.P., Medicine

THE CHINESE UNIVERSITY OF HONG KONG

SHATIN, NEW TERRITORIES, HONG KONG

Telephone: 12-612211.

Founded 1963

Chung Chi College, New Asia College and United College are Foundation Colleges of the University (*see below*). Principal languages of instruction: Chinese and English; Academic year: August to July. The University is controlled by a self-governing corporation.

Chancellor: H. E. The Governor of Hong Kong.

Vice-Chancellor: Prof. Ma Lin, PH.D.

Pro-Vice-Chancellors: T. C. Cheng, O.B.E., M.A., J.P., T. K. Cheng, PH.D.

Secretary: N. H. Young, B.A., J.P.

Registrar: J. T. S. Chen, LL.B., LIC.SC. ECON. ET POL., D.LITT., ORDRE DES PALMES ACADEMIQUES.

Treasurer: The Hon. Q. W. Lee, C.B.E., LL.D., J.P.
Librarian: Lai-bing Kan, M.A., M.L.S., PH.D.

Library: *see* Libraries.

Number of teachers: 440 full-time, 132 part-time.
Number of students: 4,466 full-time, 90 part-time.

Publications: *University Calendar* (annual), *University Bulletin* (quarterly), *Journal of The Chinese University of Hong Kong* (annual), *Journal of the Institute of Chinese Studies* (annual), *Renditions* (Chinese-English Translation Magazine, 2 a year), *The Chung Chi Journal*, *The New Asia Life* (monthly), etc.

Deans:

Graduate School: M. H. Hsing, B.A.
Faculty of Arts: J. B. Gannon, M.A.
Faculty of Business Administration: C. M. Chang, M.A., M.S.
Faculty of Medicine: G. H. Choa, C.B.E., M.B.B.S., M.D., D.T.M. & H., F.R.C.P.
Faculty of Science: B. S. Hsu, PH.D., F.I.P.
Faculty of Social Science: T. B. Lin, PH.D.

Professors:

Chen, C. F., M.S., PH.D., Electronics
Cheng, T. K., PH.D., Fine Arts
Choa, G. H., C.B.E., M.D., D.T.M. & H., F.R.C.P., Administrative Medicine
Hsing, M. H., B.A., Economics
Hsu, B. S., PH.D., F.INST.P., F.I.O.P., F.R.S.A., Physics
Hsueh, S. S., PH.D., Government and Public Administration
Jones, J. F., M.S.W., PH.D., Social Work
Lau, D. C., M.A., Chinese Language and Literature
Loh, S. C., PH.D., Computer Science
Thrower, L. B., O.B.E., PH.D., Biology
Wu, T. S., PH.D., Mathematics
Yu, T., M.A., Journalism and Communication Studies

Constituent Colleges and Institutes:

Chung Chi College: f. 1951.
College Head: S. W. Tam, PH.D.
Assistant Secretary: Patrick Yiu, B.A., A.M.B.I.M.
Number of teachers: 193 (141 full-time).
Number of students: 1,336 (full-time).

New Asia College: f. 1949.
College Head: Ambrose Y. C. King, PH.D.
Assistant Secretary: Stephen Tiong, M.A.
Number of teachers: 158.
Number of students: 1,374 (full-time).

United College: f. 1956.
College Head: S. S. Hsueh, PH.D., Chevalier de l'Ordre Nat. du Mérite.
Assistant Secretary: Stephen Chan, B.SC., L.PHIL.
Number of teachers: 179.
Number of students: 1,461 (full-time).

School of Education: f. 1965; 182 students (92 full-time); Dir. T. C. Cheng, O.B.E., M.A., J.P.

Graduate School: f. 1966; 203 students; Dean M. H. Hsing, B.A.

Department of Extramural Studies: f. 1965; Dir. T. C. Lai, M.A., DIP.AD.ED., J.P.

Institute of Chinese Studies: f. 1967; Assoc. Dir. C. H. Chen, D.LITT.

Institute of Social Studies and Humanities: f. 1965; Dir. M. H. Hsing, B.A.

Institute of Science and Technology: f. 1965; Dir. H. M. Chang, PH.D.

Lingnan Institute of Business Administration: f. 1966; 60 students; Dir. A. M. Chung, M.B.A., PH.D.

Research Institute of Business Management Studies: f. 1978; Dir. Y. T. Chung, D.B.A., F.C.A.

HONG KONG POLYTECHNIC
KOWLOON

Founded 1972 (formerly Hong Kong Technical College). Autonomous control, financed mainly from the University and Polytechnic Grants Committee; Language of instruction: English.

President: H.E. the Governor of Hong Kong, Sir Murray Maclehose, G.B.E., K.C.M.G., K.C.V.O., M.B.E.
Board Chairman: The Hon. Chung Sze-Yuen, C.B.E., PH.D., C.ENG., F.I.MECH.E., F.I.PROD.E., M.B.I.M., J.P.
Director: K. L. C. Legg, M.SC., PH.D., C.ENG., F.I.MECH.E., F.R.AE.S., F.C.I.T.
Deputy Director: Ching Yuen-Kai, PH.D., D.I.C., C.ENG., M.I.E.R.E., F.I.E.E.
General Secretary: G. C. Lytton.

Library: *see* Libraries.

Number of teachers: 375 full-time.
Number of students: 6,000 full-time, 2,500 day release (part-time), 14,500 evening.

Publications: *Prospectus*†, *Annual Report*†, *The Polytechnic Student*.

Heads of Departments:

Bromfield, A. C., Master Mariner, M.R.I.N., M.N.I., M.B.I.M., Nautical Studies
Chan, Ka-ku, M.SC., F.S.D.C., A.T.I., L.R.I.C., Textile Industries
Collins, K. E., M.A., DIP.ED., Languages
Farr, M. B., M.A., Design
Ginsburg, K., PH.D., A.C.T., A.I.M., Applied Science
Haigh, P., B.A., M.INST.M., Business and Management Studies
Howard, L. R., F.C.A., F.H.K.S.A., A.M.B.I.M., Accountancy
Kam, Wai-kee, M.SC., A.F.I.M.A., M.INST.P., Mathematical Studies (acting)
Lees, L. H., M.SC., PH.D., M.I.E.E., P.ENG., C.ENG., M.I.E.E.E., M.H.K.I.E., Electrical Engineering
Lindsay, D. V., C.ENG., M.I.MECH.E., M.I.PROD.E., M.I.MAR.E., M.I.PLANT.E., M.H.K.I.E., M.I.M. & C., M.I.T.O., Industrial Centre; Mechanical and Marine Engineering (acting)
Mead, G. P., M.TECH., C.A.S., CERT.ED., L.I.M.A., M.B.C.S., Computing Science
Richardson, S., M.SC., C.ENG., F.I.MECH.E., F.I.PROD.E., Production and Industrial Engineering
Stringer, R. D., F.R.I.C.S., F.I.O.B., Building and Surveying
Wong Sook-leung, Joshua, B.SC.(ENG.), PH.D., M.I.E.E., Electronic Engineering

Morrison Hill Technical Institute: 6 Oi Kwan Rd., Wanchai, Hong Kong; f. 1969; courses in commercial studies, construction, electrical engineering, mechanical engineering and general studies; 97 full-time and 500 part-time teachers; 12,000 full-time and part-time students; library of *c.* 14,700 vols.; Principal Alick Fong-Yang; Vice-Principal Yung Ho Koon.

GILBERT ISLANDS

Gilbert Islands National Archives: Tarawa.

MONTSERRAT

Montserrat Public Library: Plymouth, Montserrat; operates mobile library service; over 4,000 mems.; *c.* 15,000 vols.

NEW HEBRIDES

(Anglo-French Condominium)

Cultural Centre: Vila; f. 1962; public lending library and New Hebrides reference collection; 13,830 vols. (7,300 in English, 6,530 in French); museum with comprehensive New Hebrides natural history and anthropological collection; philatelic collection; Librarian Mrs. Y. HOLDEN.

Western Pacific Archives: National Archives and reference library of the New Hebrides British Service; presently located in Suva (*see under* Fiji).

WEST INDIES ASSOCIATED STATES

LIBRARIES

LEEWARD ISLANDS

St. John's Public Library: St. John's, Antigua; 50,000 vols.

WINDWARD ISLANDS

Central Library of St. Lucia: P.O.B. 103, Castries, St. Lucia; br. at Soufrière; 9 deposit centres; 38,000 vols.; Librarian Mrs. MARY A. PRESCOD.

Saint Lucia Archaeological and History Society: P.O.B. 525, Castries, St. Lucia; f. 1954; to promote, study and preserve archaeological, historical, and natural history disciplines; 225 mems.; library of 1,000 vols.; Hon. Pres. B. H. EASTER; Hon. Gen. Sec. VICTOR ARCHER; publs. *The Archaeological and Historical Society Newsletter*† (annual), assorted works on archaeology and history.

UNITED STATES OF AMERICA

Population 216,817,000

ACADEMIES

NATIONAL ACADEMY OF SCIENCES—NATIONAL ACADEMY OF ENGINEERING—INSTITUTE OF MEDICINE—NATIONAL RESEARCH COUNCIL

2101 Constitution Ave., Washington, D.C. 20418.

The National Academy of Sciences is a private non-profit-making organization dedicated to the advancement of science and its use for general welfare. Its Congressional charter of 1863 calls upon it to serve as an independent adviser to the Federal Government in science and technology and provides it with broad authority to determine its organization. Membership (currently about 1,200) is by election only and is in recognition of research accomplishments.

In December 1964, a National Academy of Engineering was created under the charter of the Academy of Sciences as a parallel organization, autonomous in the selection of its membership but co-ordinated with the Academy of Sciences in the provision of advice to the Federal Government.

The Institute of Medicine was chartered by the National Academy of Sciences in 1970 in recognition of the problems posed in the provision of adequate health services. The Institute identifies important issues that relate to health and medicine, initiates and conducts studies of national policy and planning for health care, responds to requests from the federal government for studies and advice, and establishes liaison with societies in the field.

The National Research Council was established by the Academy of Sciences in 1916 to permit a broader association of scientists and engineers in the work of the Academy. The Research Council is now the principal operating agency of both Academies, carrying out studies by means of appointed committees of scientists and engineers. Policies for the work of the Research Council are established by a Governing Board, consisting of representatives of the elected councils of the two Academies and of the Institute of Medicine.

NATIONAL ACADEMY OF SCIENCES

Founded 1863.

President: Philip Handler.

Vice-President: Saunders Mac Lane.

Home Secretary: David R. Goddard.

Foreign Secretary: Thomas F. Malone.

Treasurer: E. R. Piore.

Executive Officer: John S. Coleman.

Comptroller: David Williams.

Council of the Academy: P. H. Abelson, P. W. Anderson, R. W. Berliner, R. H. Bing, P. Handler, A. L. Lehninger, S. MacLane, C. L. Markert, E. R. Piore, H. M. Ranney, H. A. Simon, R. M. Solow, D. Stetten, Jr., C. H. Townes, F. H. Westheimer.

The Academy is divided into the following Sections, to which members are assigned at their own choice:

11 Mathematics
12 Astronomy
13 Physics
14 Chemistry
15 Geology
16 Geophysics
21 Biochemistry
22 Cellular and Developmental Biology
23 Physiological Sciences
24 Neurobiology
25 Botany
26 Genetics
27 Population Biology, Evolution, Ecology
31 Engineering
32 Applied Biology
33 Applied Physical and Mathematical Sciences
41 Medical Genetics, Hematology, Oncology
42 Medical Physiology, Edocrinology, Metabolism
43 Medical Microbiology and Immunology
51 Anthropology
52 Psychology
53 Social and Political Sciences
54 Economic Sciences

Members:

✓21 Abeles, Robert H., Graduate Department of Biochemistry, Brandeis University, Waltham, Mass. 02154.
15 Abelson, Philip H., Office of the President, Carnegie Institution of Washington, 1530 P St., N.W., Washington, D.C., 20005.
13 Adair, Robert K., Department of Physics, Yale University, 217 Prospect St., New Haven, Conn. 06520.
51 Adams, Robert McCormick, The Oriental Institute, 1155 East 58th St., Chicago, Ill. 60637.
26 Adelberg, Edward A., Department of Human Genetics, Yale University, 333 Cedar St., New Haven, Conn. 06510.
✓21 Adler, Julius, Depts. of Biochemistry and Genetics, Univ. of Wisconsin, Madison, Wis. 53706.
13 Adler, Stephen Louis, School of Natural Sciences, Institute of Advanced Study, Princeton, N.J. 08540.
11 Ahlfors, Lars V., ph.d., Department of Mathematics, Harvard University, Cambridge, Mass. 02138.
42 Ahrens, Edward H., Jr., Rockefeller University, 1230 York Ave., New York, N.Y. 10021.
14 Alberty, Robert A., School of Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 Alder, Berni J., Lawrence Livermore Laboratory, P.O.B. 808, Livermore, Calif. 94550.
27 Alexander, Richard D., Museum of Zoology, University of Michigan, Ann Arbor, Mich. 48109.
27 Allard, Robert W., Department of Genetics, University of California, Davis, Calif. 95616.
15 Allen, Clarence R., Seismological Laboratory, California Institute of Technology, Pasadena, Calif. 91125.
12 Aller, Lawrence Hugh, Department of Astronomy, University of California, Los Angeles, Calif. 90024.
53 Almond, Gabriel Abraham, Dept. of Political Science, Stanford University, Stanford, Calif. 94305.
13 Alvarez, Luis W., m.s., ph.d., Lawrence Berkeley Laboratory, University of California, Berkeley, Calif. 94720.
21 Ames, Bruce Nathan, Department of Biochemistry, University of California, Berkeley, Calif. 94720.
16 Anders, Edward, Enrico Fermi Institute, University of Chicago, Chicago, Ill. 60637.
13 Anderson, Carl D., California Institute of Technology, Pasadena, Calif. 91125.
13 Anderson, Herbert L., The Enrico Fermi Institute, University of Chicago, Chicago, Ill. 60637.
13 Anderson, Philip W., Room 1D-26B, Bell Telephone Laboratories, Inc., 600 Mountain Ave., Murray Hill, N.J. 07974.
33 Anderson, Theodore W., Department of Statistics, Stanford University, Stanford, Calif. 94305.
26 Anderson, Thomas Foxen, Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111.

25 ANDREWS, HENRY NATHANIEL, Jr., R.F.D.I., Box 146, Laconia, N.H. 03246.

21 ANFINSEN, CHRISTIAN BOEHMER, National Institutes of Health, Bethesda, Md. 20014.

16 ARNOLD, JAMES RICHARD, Dept. of Chemistry, B-017 University of California, San Diego, La Jolla, Calif. 92093.

✓ 25 **ARNOLD, WILLIAM ARCHIBALD, Biology Division, Oak Ridge National Laboratory, P.O.B. Y, Oak Ridge, Tenn. 37830.**

21 **ARNON, DANIEL I., 251 Hilgard Hall, University of California, Berkeley, Calif. 94720.**

54 **ARROW, KENNETH J., Harvard University, 1737 Cambridge Street, Cambridge, Mass. 02138.**

11 ARTIN, MICHAEL, Dept. of Mathematics, 2-239 Massachusetts Institute of Technology, Cambridge, Mass. 02138.

33 ASTIN, ALLEN V., 5008 Battery Lane, Bethesda, Md. 20014.

52 ATKINSON, Richard C., National Science Foundation, Room 520, 1800 G St., N.W., Washington, D.C. 20550.

43 AUSTEN, K. FRANK, Harvard Medical School, Robert B. Brigham Hospital, Parker Hill Ave., Boston, Mass. 02120.

24 AXELROD, JULIUS, National Institute of Mental Health, 9000 Rockville Pike, Bethesda, Md. 20014.

53 AYDELOTTE, WILLIAM O., Department of History, University of Iowa, Iowa City, Ia. 52242.

12 BABCOCK, HORACE W., Hale Observatories, 813 Santa Barbara St., Pasadena, Calif. 91101.

13 **BACHER, ROBERT F., B.S., PH.D., California Institute of Technology, Pasadena, Calif. 91125.**

33 **BACKUS, GEORGE E., University of California, San Diego, La Jolla, Calif. 92093.**

33 BACKUS, JOHN, 91 St. Germain Ave., San Francisco, Calif. 94114.

12 BAHCALL, JOHN N., School of Natural Sciences, Institute for Advanced Study, Princeton, N.J. 08540.

13 BAINBRIDGE, KENNETH T., M.S., A.M., PH.D., 5 Nobscot Rd., Weston, Mass. 02193.

12 **BAKER, JAMES G., Harvard College Observatory, Cambridge, Mass. 02138.**

14 BAKER, W. O., Bell Laboratories, Inc., Murray Hill, N.J. 07974.

14 BALDESCHWIELER, JOHN D., California Institute of Technology, Pasadena, Calif. 91125.

21 BALL, ERIC GLENDINNING, P.O.B. 406, Falmouth, Mass. 02541.

✓ 21 BALLOU, CLINTON EDWARD, Department of Biochemistry, University of California, Berkeley, Calif. 94720.

✓ 43 BALTIMORE, DAVID, Department of Biology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 **BARDEEN, JOHN, University of Illinois, Urbana, Ill. 61801.**

25 **BARGHOORN, ELSO S., The Biological Laboratories, Harvard University, Cambridge, Mass. 02138.**

21 **BARKER, HORACE A., PH.D., Department of Biochemistry, University of California, Berkeley, Calif. 94720.**

31 BARRETT, C. S., Denver Research Institute, University of Denver, Denver, Colo. 80208.

13 BARSCHALL, HENRY H., University of Wisconsin, Madison, Wis. 53706.

14 BARTLETT, PAUL D., A.M., PH.D., Department of Chemistry, Texas Christian University, Fort Worth, Tex. 76129.

15 BARTON, PAUL B., Jr., U.S. Geological Survey National Center, M.S.959, Reston, Va. 22092.

52 **BEACH, FRANK AMBROSE, M.S., PH.D., Department of Psychology, University of California, Berkeley, Calif. 94720.**

26 **BEADLE, G. W., M.S., PH.D., 5533 Dorchester Ave., Chicago, Ill. 60637.**

33 BEAN, CHARLES P., General Electric Co., P.O.B. 8, Schenectady, N.Y. 12301.

41 BEARN, ALEXANDER G., Cornell University Medical College, 525E 68th St., New York, N.Y. 10021.

54 BECKER, GARY STANLEY, Department of Economics, University of Chicago, 1126 East 59th St., Chicago, Ill. 60637.

43 BEESON, PAUL B., Seattle Veterans Administration Hospital, Seattle, Wash. 98108.

25 BEEVERS, HARRY, University of California, Santa Cruz, Calif. 95064.

✓ 24 BEIDLER, LLOYD M., Department of Biological Science, Florida State University, Tallahassee, Fla. 32306.

✓ 43 BENACERRAF, BARUJ, Department of Pathology, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.

14 **BENDER, MYRON L., Northwestern University, Evanston, Ill. 60201.**

42 BENDITT, EARL PHILIP, Department of Pathology, University of Washington School of Medicine, Seattle, Wash. 98195.

31 **BENEDICT, MANSON, Massachusetts Institute of Technology, Cambridge, Mass. 02139.**

25 BENSON, ANDREW A., Scripps Institution of Oceanography, University of California, San Diego, La Jolla, Calif. 92093.

26 **BENZER, SEYMOUR, California Institute of Technology, Pasadena, Calif. 91125.**

✓ 21 BERG, PAUL, Department of Biochemistry, Stanford University School of Medicine, Stanford, Calif. 94305.

✓ 42 BERLINER, ROBERT W., Yale University School of Medicine, New Haven, Conn. 06510.

✓ 23 BERN, HOWARD A., Department of Zoology, University of California, Berkeley, Calif. 94720.

14 BERNSTEIN, RICHARD B., Dept. of Chemistry, Columbia University, New York, N.Y. 10027.

53 BERRY, BRIAN J. L., Old Tavern Farm, 471 Massachusetts Ave., West Acton, Mass. 01720.

11 **BERS, LIPMAN, Department of Mathematics, Columbia University, New York, N.Y. 10027.**

14 **BERSON, JEROME A., Department of Chemistry, Yale University, New Haven, Conn. 06520.**

13 **BETHE, H. A., PH.D., Cornell University, Ithaca, N.Y. 14853.**

41 BEUTLER, ERNEST, City of Hope National Medical Center, 1500 East Duarte Rd., Duarte, Calif. 91010.

14 **BIGELEISEN, JACOB, University of Rochester, Rochester, N.Y. 14627.**

11 BING, R. H., Department of Mathematics, University of Texas, Austin, Tex. 78712.

15 **BIRCH, ALBERT FRANCIS, M.A., PH.D., Harvard University, Cambridge, Mass. 02138.**

11 **BIRKHOFF, GARRETT, Harvard University, Cambridge, Mass. 02138.**

31 BISPLINGHOFF, RAYMOND L., Office of the Director for Research and Development, Tyco Laboratories, Inc., Exeter, N.H. 03833.

13 BJORKEN, JAMES D., Stanford Linear Accelerator Center, Stanford University, P.O.B. 4349, Stanford, Calif. 94305.

11 BLACKWELL, DAVID H., University of California, Berkeley, Calif. 94720.

53 BLALOCK, H. M., Jr., 18425 17th Ave., N.W., Seattle, Wash. 98177.

25 **BLINKS, LAWRENCE R., Hopkins Marine Station of Stanford University, Pacific Grove, Calif. 93950.**

13 **BLOCH, FELIX, Stanford University, Stanford, Calif. 94305.**

14 BLOCH, HERMAN S., 9700 Kevdale Ave., Skokie, Ill. 60076.

21 BLOCH, KONRAD E., Harvard University, 12 Oxford St., Cambridge, Mass. 02138.

13 BLOEMBERGEN, NICOLAAS, Pierce Hall, Harvard University, Cambridge, Mass. 02138.

✓ 24 BLOOM, FLOYD ELLIOT, Office of the Director, Arthur V. Davis Center for Behavioral Neurology, The Salk Institute, P.O.B. 1809, San Diego, Calif. 92112.

✓ 21 BLOUT, ELKAN R., Harvard Medical School, Boston, Mass. 02115.

41 BLUMBERG, BARUCH S., Institute for Cancer Research, 7701 Barholme Ave., Fox Chase, Philadelphia, Pa. 19111.

11 BOCHNER, SALOMON, PH.D., Department of Mathematics, Rice University, Houston, Texas 77001.

33 **BODE, H. W., Harvard University, Cambridge, Mass. 02138.**

✓ 22 **BODENSTEIN, DIETRICH H. F. A., Department of Biology, University of Virginia, Charlottesville, Va. 22903.**

24 BODIAN, DAVID, School of Medicine, Johns Hopkins University, 1721 Madison St., Baltimore, Md. 21205.

14 **BOEKELHEIDE, VIRGIL CARL, University of Oregon, Eugene, Ore. 97403.**

25 **BOGORAD, LAWRENCE, The Biological Laboratories, Harvard University, Cambridge, Mass. 02138.**

12 **BOK, BART J., University of Arizona, Tucson, Ariz. 85721.**

✓ 25 BOLD, HAROLD C., Department of Botany, University of Texas, Austin, Tex. 78712.

22 **BONNER, JAMES FREDERICK, A.B., PH.D., California Institute of Technology, Pasadena, Calif. 91125.**

✓ 22 BONNER, JOHN T., Department of Biology, Princeton University, Princeton, N.J. 08540.

16 BOOKER, HENRY G., University of California, San Diego, La Jolla, Calif. 92093.

53 BORCHERT, JOHN R., Department of Geography, University of Minnesota, Minneapolis, Minn. 55455.

✓ 32 BORLAUG, NORMAN E., International Maize and Wheat Improvement Center, Londres 40, Mexico 6, D.F., Mexico.

32 BORMANN, FREDERICK H., Greeley Memorial Laboratory, School of Forestry and Environmental Studies, Yale University, 370 Prospect St., New Haven, Conn. 06511.

11 BOSE, RAJ C., Department of Mathematics, Colorado State University, Fort Collins, Colo. 80523.

11 BOTT, RAOUL, Department of Mathematics, Harvard University, 1 Oxford St., Cambridge, Mass. 02138.

14 BOUDART, MICHEL, Department of Chemical Engineering, Stanford University, Stanford, Calif. 94305.

53 Boulding, Kenneth E., Institute of Behavioral Science, University of Colorado, Boulder, Colo. 80309.

14 Bovey, Frank A., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

52 Bower, Gordon H., Department of Psychology, Stanford University, Stanford, Calif. 94305.

15 Boyd, F. R., Jr., Geophysical Laboratory, Carnegie Institution of Washington, Washington, D.C. 20008.

21 Boyer, P. D., Molecular Biology Institute, University of California, Los Angeles, Calif. 90024.

15 Brace, William F., Department of Earth and Planetary Sciences, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 Bradbury, Norris E., A.B., PH.D., 1451 47th St., Los Alamos, N.M. 87544.

21 Brady, Roscoe O., 9501 Kingsley Ave., Bethesda, Md. 20014.

51 Braidwood, Robert John, RR5, Box 316, La Porte, Ind. 46350.

✓ 32 Brakke, Myron K., Plant Pathology Dept., 304 Plant Industry Bldg., 7u, University of Nebraska, Lincoln, Neb. 68583.

33 Branscomb, Lewis M., IBM Corporation, Old Orchard Rd., Armonk, N.Y. 10504.

13 Brattain, Walter H., Whitman College, Walla Walla, Wash. 99362.

14 Brauman, John I., Department of Chemistry, Stanford University, Calif. 94305.

25 Braun, Armin C., Rockefeller University, New York, N.Y. 10021.

42 Braunwald, Eugene, Harvard Medical School, Boston, Mass. 02215.

13 Breit, G., A.B., PH.D., State University of New York, Buffalo, N.Y. 14214.

14 Breslow, Ronald, Columbia University, New York, N.Y. 10027.

14 Brewer, Leo, University of California, Berkeley, Calif. 94720.

22 Briggs, Robert William, Indiana University, Bloomington, Ind. 47401.

✓ 25 Briggs, Winslow R., Department of Plant Biology, Carnegie Institution of Washington, 290 Panama St., Stanford, Calif. 94305.

24 Brink, Frank, Jr., Rockefeller University, New York, N.Y. 10021.

26 Brink, R. Alexander, Dept. of Genetics, University of Wisconsin, Madison, Wis. 53706.

41 Brinkhous, Kenneth M., Department of Pathology, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.

26 Britten, Roy J., Kerckhoff Marine Laboratory, California Institute of Technology, 101 Dahlia St., Corona del Mar, Calif. 92625.

23 Brobeck, John R., 224 Vassar Ave., Swarthmore, Pa. 19081.

13 Brode, Robert Bigham, PH.D., University of California, Berkeley, Calif. 94720.

23 Brodie, Bernard B., 232 Angler Ave., Palm Beach, Fla. 33480.

16 Broeker, Wallace S., Lamont-Doherty Geological Observatory of Columbia University, Palisades, N.Y. 10964.

✓ 23 Brooks, Chandler McC., Department of Physiology, Box 31, State University of New York Downstate Medical Center, 450 Clarkson Ave., Brooklyn, N.Y. 11203.

33 Brooks, Harvey, Harvard University, Cambridge, Mass. 02138.

11 Browder, Felix E., Department of Mathematics, University of Chicago, 5734 University Ave., Chicago, Ill. 60637.

✓ 22 Brown, Donald D., Department of Embryology, Carnegie Institution of Washington, 115 West University Parkway, Baltimore, Md. 21210.

13 Brown, Gerald E., Physics Dept., State University of New York, Stony Brook, N.Y. 11794.

31 Brown, Harold, Secretary of Defense, Washington, D.C. 20301.

16 Brown, Harrison S., Division of Humanities and Social Sciences, California Institute of Technology, Pasadena, Calif. 91125.

14 Brown, Herbert C., Purdue University, Lafayette, Ind. 47907.

52 Brown, Roger W., Department of Psychology and Social Relations, Harvard University, 33 Kirkland St., Cambridge, Mass. 02138.

13 Brueckner, K. A., University of California, San Diego, La Jolla, Calif. 92093.

14 Bruice, Thomas C., Department of Chemistry, University of California, Santa Barbara, Calif. 93106.

31 Bryson, Arthur E., Jr., Department of Aeronautics and Astronautics, Stanford University, Stanford, Calif. 94305.

21 Buchanan, John Machlin, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 Büchi, George H., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

31 Buchsbaum, S. J., Bell Laboratories, Crawford Corner Rd., Holmdel, N.J. 07733.

33 Budiansky, Bernard, Division of Applied Sciences, Harvard University, Cambridge, Mass. 02138.

31 Bueche, Arthur M., Corporate Research and Development, General Electric Co., P.O.B. 8, Schenectady, N.Y. 12301.

15 Buerger, M. J., S.M., PH.D Institute of Materials Science, University of Connecticut, U-136, Storrs, Conn. 06268.

24 Bullock, Theodore H., School of Medicine, University of California, San Diego, La Jolla, Calif. 92093.

12 Burbidge, E. Margaret, Dept. of Physics, Mail Code C-011, University of California, San Diego, La Jolla, Calif. 92093.

12 Burke, Bernard F., Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

42 Burns, John J., Hoffmann-La Roche Inc., Nutley, N.J. 07110.

25 Burris, R. H., University of Wisconsin, Madison, Wis. 53706.

32 Burton, Glenn W., U.S. Dept. of Agriculture, Georgia Coastal Plain Experiment Station, Tifton, Ga. 31794.

✓ 25 Butler, Warren L., Dept. of Biology, University of California, San Diego, La Jolla, Calif. 92093.

16 Byerly, Perry, A.M., PH.D., 5340 Broadway Terrace, 401, Oakland, Calif. 94618.

16 Byers, Horace R., 1036 Fairway, Santa Barbara, Calif. 93108.

33 Cahn, John W., National Bureau of Standards, Bldg. 223, Room A153, Washington, D.C. 20234.

32 Cain, Stanley A., Environmental Studies, University of California, Santa Cruz, Calif. 95060.

14 Cairns, T. L., E. I. du Pont de Nemours & Company, Incorporated, Wilmington, Del. 19898.

11 Calderón, Alberto P., Dept. of Mathematics, University of Chicago, 5734 University, Chicago, Ill. 60637.

14 Calvin, Melvin, University of California, Berkeley, Calif. 94720.

16 Cameron, A. G. W., Harvard College Observatory, 60 Garden St., Cambridge, Mass. 02138.

✓ 26 Campbell, Allan M., Department of Biological Sciences, Stanford University, Stanford, Calif. 94305.

53 Campbell, Donald T., Department of Psychology, Northwestern University, Evanston, Ill. 60201.

43 Cannon, Paul R., A.B., PH.D., M.D., Box 79, Route 2, Yorkville, Ill. 60560.

33 Carrier, George F., Division of Engineering and Applied Physics, Pierce Hall, Harvard University, Cambridge, Mass. 02138.

27 Carson, Hampton L., School of Medicine, University of Hawaii, 1960 East-West Rd., Honolulu, Hawaii 96822.

21 Carter, H. E., A.M., PH.D., University of Arizona, Tucson, Ariz. 85721.

33 Case, Kenneth M., Rockefeller University, 1230 York Ave., New York, N.Y. 10021.

33 Chalmers, Bruce, Harvard University, Pierce Hall, Cambridge, Mass. 02138.

16 Chamberlain, Joseph W., Department of Space Physics and Astronomy, Rice University, Houston, Tex. 77001.

13 Chamberlain, Owen, Lawrence Berkeley Laboratory, University of California, Berkeley, Calif. 94720.

21 Chance, Britton, University of Pennsylvania, Philadelphia, Pa. 19104.

12 Chandrasekhar, S., Laboratory for Astrophysics and Space Research, 933 East 56th Street, Chicago, Ill. 60637.

43 Chanock, Robert M., Laboratory of Infectious Diseases, National Institutes of Health, Bethesda, Md. 20014.

14 Chapman, Orville L., Department of Chemistry, University of California, Los Angeles, Calif. 90024.

21 Chargaff, Erwin, Cell Chemistry Laboratory, The Roosevelt Hospital, 428 West 59th St., New York, N.Y. 10019.

16 Charney, Jule Gregory, Department of Meteorology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

22 Chase, Merrill W., Rockefeller University, 1230 York Ave., New York, N.Y. 10021.

11 Chern, Shiing-Shen, University of California, Berkeley, Calif. 94720.

13 Chew, Geoffrey Foucar, University of California, Berkeley, Calif. 94720.

31 Chodorow, Marvin, Edward L. Ginzton Laboratory, Stanford University, Stanford, Calif. 94305.
51 Chomsky, A. Noam, Department of Foreign Literatures and Linguistics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
43 Choppin, Purnell W., Rockefeller University, 1230 York Ave., New York, N.Y. 10021.
13 Christy, Robert F., California Institute of Technology, Pasadena, Calif. 91125.
11 Church, Alonzo, University of California, 405 Hilgard Ave., Los Angeles, Calif. 90024.
25 Clayton, Roderick K., 111 Brandon Place, Ithaca, N.Y. 14850.
42 Clements, John A., Cardiovascular Research Institute, University of California, San Francisco, Calif. 94143.
33 Clogston, Albert M., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.
14 Closs, Gerhard L., Department of Chemistry, University of Chicago, 5735 South Ellis Ave., Chicago, Ill. 60637.
15 Cloud, Preston, U.S. Geological Survey, Biogeology Clean Laboratory, University of California, Santa Barbara, Calif. 93106.
53 Coale, Ansley J., Office of Population Research, Princeton University, 21 Prospect Ave., Princeton, N.J. 08540.
33 Cochran, William G., P.O.B. 249, South Orleans, Mass. 02662.
32 Cockerham, C. Clark, Department of Statistics, North Carolina State University, Box 5457, Raleigh, N.C. 27607.
12 Code, Arthur D., Washburn Observatory, University of Wisconsin, 475 North Charter St., Madison, Wis. 53706.
24 Cohen, Melvin J., Department of Biology, Kline Biology Tower, Yale University, New Haven, Conn. 06520.
33 Cohen, Morrel H., University of Chicago, Chicago, Ill. 60637.
31 Cohen, Morris, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
11 Cohen, Paul J., Department of Mathematics, Stanford University, Stanford, Calif. 94305.
21 Cohen, Philip P., Department of Physiological Chemistry, 694 Medical Sciences Building, University of Wisconsin, Madison, Wis. 53706.
21 Cohen, Seymour Stanley, Dept. of Pharmacological Sciences, School of Basic Health Sciences, State University of New York, Stony Brook, N.Y. 11794.
21 Cohn, Mildred, Dept. of Biochemistry and Biophysics, University of Pennsylvania School of Medicine, Philadelphia, Pa. 19104.
41 Cohn, Zanvil A., Rockefeller University, New York, N.Y. 10021.
27 Colbert, Edwin H., Museum of Northern Arizona, Fort Valley Rd., P.O.B., 720, Flagstaff, Ariz. 86001.
33 Cole, Julian D., Mechanics and Structures Department, University of California, Los Angeles, Calif. 90024.
23 Cole, Kenneth S., National Institutes of Health, Bethesda, Md. 20014.
53 Coleman, James S., Department of Sociology, University of Chicago, Chicago, Ill. 60637.
31 Collins, Samuel C., 12322 River View Rd., Oxon Hill, Md. 20022.
14 Collman, James P., Department of Chemistry, Stanford University, Stanford, Calif. 94305.
21 Colowick, Sidney P., Department of Microbiology, Vanderbilt University School of Medicine, Nashville, Tenn. 37232.
51 Colson, Elizabeth F., Dept. of Anthropology, University of California, Berkeley, Calif. 94720.
23 Comroe, Julius H., Jr., Cardiovascular Research Institute, University of California, San Francisco, Calif. 94143.
51 Conklin, Harold C., Department of Anthropology, Yale University, New Haven, Conn. 06520.
42 Conn, J. W., Admiralty Point, Apt. W-703, 2369 Gulf Shore Blvd., Naples, Fla. 33940.
14 Connick, Robert E., College of Chemistry, University of California, Berkeley, Calif. 94720.
53 Converse, Philip E., Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
13 Cool, Rodney L., Rockefeller University, New York, N.Y. 10021.
51 Coon, Carleton S., 207 Concord Street, Gloucester, Mass. 01930.
43 Coons, Albert H., Harvard Medical School, Boston, Mass. 02115.
13 Cooper, Leon N., Department of Physics, Brown University, Providence, R.I. 02912.
14 Corey, E. J., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
21 Cori, Carl F., M.D., Massachusetts General Hospital, Fruit Street, Boston, Mass. 02114.
14 Cotton, F. Albert, Department of Chemistry, Texas A & M University, College Station, Texas 77843.
25 Couch, John N., A.M., PH.D., University of North Carolina, Chapel Hill. N.C. 27514.
13 Courant, Ernest D., Building 902, Brookhaven National Laboratory, Upton, N.Y. 11973.
23 Cournand, André Frederic, Columbia University, College of Physicians and Surgeons, 630 West 168th St., New York, N.Y. 10032.
32 Cowling, Ellis Brevier, Department of Plant Pathology, North Carolina State University, Box 5397, Raleigh, N.C. 27607.
16 Cox, Allan V., Stanford University, Stanford, Calif. 94305.
32 Cox, Gertrude M., 2206 Wheeler Rd., Raleigh, N.C. 27607.
14 Cram, Donald J., University of California, Los Angeles, Calif. 90024.
13 Crane, H. Richard, Physics Department, University of Michigan, Ann Arbor, Mich. 48109.
14 Crawford, Bryce, Jr., University of Minnesota, Minneapolis, Minn. 55455.
13 Creutz, Edward C., Bishop Museum, P.O.B. 6037, Honolulu, Hawaii 96818.
13 Crewe, Albert V., Physical Sciences Division, Eckhart Hall, University of Chicago, Ill. 60637.
14 Cristol, Stanley J., Department of Chemistry, University of Colorado, Boulder, Colo. 80309.
53 Cronbach, Lee J., School of Education, Stanford University, Stanford, Calif. 94305.
13 Cronin, James Watson, Enrico Fermi Institute, University of Chicago, Chicago, Ill. 60637.
26 Crow, James F., University of Wisconsin, Madison, Wis. 53706.
14 Curtin, David Y., Department of Chemistry, University of Illinois, Urbana, Ill. 61801.
31 Cutler, C. Chapin, Research Laboratory, Bell Telephone Laboratories Inc., 4C-502, Holmdel, N.J. 07733.
53 Dahl, Robert A., Department of Political Science, Yale University, New Haven, Conn. 06520.
33 Dantzig, George B., Operations Research Department, Stanford University, Stanford, Calif. 94305.
32 Darby, William J., The Nutrition Foundation, Inc., 489 Fifth Ave., New York, N.Y. 10017.
27 Darlington, Philip J., Jr., 71 Juniper Rd., Belmont, Mass. 02178.
31 Darlington, Sidney, University of New Hampshire, 8 Fogg Drive, Durham, N.H. 03824.
22 Darnell, James E., Jr., Rockefeller University, New York, N.Y. 10021.
14 Dauben, William G., Department of Chemistry, University of California, Berkeley, Calif. 94720.
23 Davenport, Horace W., Department of Physiology, University of Michigan School of Medicine, Ann Arbor, Mich. 48109.
31 David, E. E., Jr., Office of the President, Exxon Research and Engineering Co., P.O.B. 101, Florham, N.J. 07932.
21 Davidson, Norman R., California Institute of Technology, Pasadena, Calif. 91125.
21 Davies, David R., Laboratory of Molecular Biology, National Insts. of Health, Bldg. 2, Room 316, Bethesda, Md. 20014.
21 Davis, Bernard D., Bacterial Physiology Unit, Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.
32 Davis, George K., Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Fla. 32611.
24 Davis, Hallowell, Central Institute for the Deaf, 818 South Euclid, St. Louis, Mo. 63110.
53 Davis, Kingsley, Population Research Laboratory, University of Southern California, University Park, Los Angeles, Calif. 90007.
33 Dawson, John M., Dept. of Physics, University of California, 405 Hilgard Ave., Los Angeles, Calif. 90024.
54 Debreu, Gerard, Dept. of Economics, University of California, Berkeley, Calif. 94720.
31 Deere, Don U., 6834 S.W. 35th Way, Gainsville, Fla. 32601.
13 Dehmelt, Hans, University of Washington, Seattle, Wash. 98195.
51 De Laguna, Frederica, 221 Roberts Rd., Bryn Mawr, Pa. 19010.
26 Delbrück, Max, PH.D. California Institute of Technology, Pasadena, Calif. 91125.
31 Den Hartog, J. P., E.E., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

24 Dethier, Vincent G., Department of Zoology, University of Massachusetts, Amherst, Mass. 01002.
53 Deutsch, Karl W., Faculty of Arts and Sciences, Littauer 213, Harvard University, Cambridge, Mass. 02138.
13 Deutsch, Martin, Laboratory for Nuclear Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
52 De Valois, Russell L., Department of Psychology, University of California, Berkeley, Calif. 94720.
13 Dicke, Robert H., Joseph Henry Laboratories, Physics Department, Princeton University, Princeton, N.J. 08540.
32 Diener, Theodor O., Plant Virology Laboratory, U.S. Dept. of Agriculture, Agricultural Research Center, Beltsville, Md. 20705.
21 Dische, Zacharias, Department of Ophthalmology, College of Physicians and Surgeons, 630 W. 168th St., New York, N.Y. 10032.
43 Dixon, Frank J., Scripps Clinic and Research Foundation, 10666 North Torrey Pines Rd., La Jolla, Calif. 92037.
14 Djerassi, Carl, Stanford University, Stanford ,Calif. 94305.
15 Doell, Richard R., P.O.B. 1463, El Granada, Calif. 94018.
14 Doering, William von Eggers, 53 Francis Ave., Cambridge, Mass. 02138.
26 Doermann, August H., Department of Genetics, SK-50, University of Washington, Seattle, Wash. 98195.
21 Doisy, E. A., A.B., M.S., PH.D., St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis. Mo. 63104.
42 Dole, Vincent P., Rockefeller University, New York, N.Y 10021.
11 Doob, J. L., University of Illinois, Urbana, Ill. 61801.
42 Dorfman, Albert, Department of Pediatrics, University of Chicago, 5825 Maryland Ave., Chicago, Ill. 60637.
42 Dorfman, Ralph I., Stanford Univ. School of Medicine, Stanford, Calif. 94305.
21 Doty, Paul M., Harvard University, 9 Divinity Ave., Cambridge, Mass. 02138.
24 Dowling, John E., The Biological Laboratories, Harvard University, 16 Divinity Ave., Cambridge, Mass. 02138.
12 Drake, F. D., National Astronomy and Ionosphere Center Space Sciences Building, Cornell University, Ithaca, N.Y 14853.
31 Draper, Charles Stark, Charles Stark Draper Laboratory, Inc., 555 Technology Square, Cambridge, Mass. 02139.
13 Drell, Sidney D., Stanford University, P.O.B. 4349, Stanford, Calif. 94305.
14 Drickamer, Harry G., University of Illinois, Urbana, Ill. 61801.
13 DuBridge, L. A., A.M., PH.D., 5309 Cantante, Laguna Hills, Calif. 92653.
33 Duffin, R. J., Department of Mathematics, Carnegie-Mellon University, Schenley Park, Pittsburgh, Pa. 15213.
22 Dulbecco, Renato, The Salk Institute, P.O.B. 1809, San Diego, Calif. 92112.
53 Duncan, Otis Dudley, Department of Sociology, University of Arizona, Tucson, Ariz. 85721.
31 Duwez, Pol E., W. M. Keck Laboratory of Engineering Materials, California Institute of Technology, Pasadena, Calif. 91125.
13 Dyson, Freeman John, Institute for Advanced Study, Princeton, N.J. 08540.
22 Eagle, Harry, Albert Einstein College of Medicine, Bronx, N.Y. 10461.
22 Ebert, James D., Carnegie Institution of Washington, Washington, D.C. 20005.
21 Edelman, Gerald M., Rockefeller University, New York, N.Y. 10021.
42 Edelman, Isidore S., Cardiovascular Research Institute, University of California, San Francisco, Calif. 94143.
31 Edgerton, Harold E., Department of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
27 Edmondson, W. Thomas, Department of Zoology, University of Washington, Seattle, Wash. 98195.
21 Edsall, John T., A.B., M.D., The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
51 Eggan, F. R., University of Chicago, 1126 East 59th St., Chicago, Ill. 60637.
11 Eilenberg, Samuel, Columbia University, New York, N.Y. 10027.
22 Eisen, Herman N., Center for Cancer Research, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
27 Eisner, Thomas, Cornell University, Ithaca, N.Y. 14853.
31 Elias, Peter, Department of Electrical Engineering and Computer Science, Room NE43-839, M.I.T., Cambridge, Mass. 02139.
14 Eliel, Ernest L., Department of Chemistry, University of North Carolina, Chapel Hill. N.C. 27514.
25 Emerson, Ralph, Department of Botany, University of California, Berkeley, Calif. 94720.
15 Emery, Kenneth O., Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543.
14 Emmett, Paul H., 23 Da Vinci, Lake Oswego, Ore. 97034.
31 Emmons, Howard W., Pierce Hall, Harvard University, Cambridge, Mass. 02138.
22 Enders, John F., M.A., PH.D., 64 Colbourne Crescent, Brookline, Mass. 02146.
15 Engel, Albert E. J., Scripps Institution of Oceanography, University of California, San Diego, A-020, La Jolla, Calif. 92093.
25 Epstein, Emanuel, Dept. of Land, Air and Water Resources, University of California, Davis, Calif. 95616.
16 Epstein, Samuel, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, Calif. 91125.
15 Ernst, W. G., Dept. of Earth and Space Sciences, University of California, Los Angeles, Calif. 90024.
52 Estes, William K., Rockefeller University, New York, N.Y. 10021.
15 Eugster, Hans P., Department of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Md. 21218.
25 Evans, Harold J., Department of Botany and Plant Pathology, Oregon State University, Corvallis, Ore. 97331.
27 Evans, Howard E., Dept. of Zoology and Entomology, Colorado State University, Fort Collins, Co. 80523.
24 Evarts, Edward V., Building 36, Room 2D10, National Institute of Mental Health, Bethesda, Md. 20014.
14 Eyring, Henry, B.A., M.S., PH.D., Department of Chemistry, University of Utah, Salt Lake City, Utah 84112.
13 Fairbank, William M., Stanford University, Stanford, Calif. 94305.
31 Fano, Robert M., Dept. of Electrical Engineering and Computer Science, NE43-533, M.I.T., Cambridge, Mass. 02139.
13 Fano, Ugo, University of Chicago, 1118 East 58th St., Chicago, Ill. 60637.
22 Fawcett, Don W., Department of Anatomy, Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.
11 Federer, Herbert, 287 Elmgrove Ave., Providence, R.I. 02906.
13 Feher, George, Dept. of Physics, B-019, University of California, San Diego, La Jolla, Calif. 92093.
11 Feit, Walter, Dept. of Mathematics, Yale University, P.O.B. 2155, Yale Station, New Haven, Conn. 06520.
21 Felsenfeld, Gary, Laboratory of Molecular Biology, NIAMDD, National Institutes of Health, Bethesda, Md. 20014.
14 Ferry, John D., University of Wisconsin, Madison, Wis. 53706.
13 Feshbach, Herman, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
52 Festinger, Leon, Department of Psychology, New School for Social Research, 65 Fifth Ave., New York, N.Y. 10003.
41 Finch, Clement A., University of Washington School of Medicine, Seattle, Wash. 98195.
43 Finland, Maxwell, Boston City Hospital, Boston, Mass. 02118.
21 Fischer, Edmond H., Department of Biochemistry, University of Washington, Seattle, Wash. 98195.
31 Fisk, James Brown, Lee's Hill Rd., Box 85, Basking Ridge, N.J. 07920.
13 Fitch, Val L., Joseph Henry Laboratories, Princeton University, Box 708, Princeton, N.J., 08440.
14 Fixman, Marshall, Department of Chemistry, Yale University, 225 Prospect St., New Haven, Conn. 06520.
51 Flannery, Kent V., University of Michigan, Ann Arbor, Mich. 48109.
31 Fletcher, Harvey, PH.D., D.S., 276 Eyring Science Center, Brigham Young University, Provo, Utah 84602.
24 Flexner, Louis B., School of Medicine, University of Pennsylvania. Philadelphia, Pa. 19104.
14 Flory, Paul John, M.S., PH.D., Department of Chemistry, Stanford University, Stanford, Calif. 94305.
14 Flygare, W. H., Noyes Chemical Laboratory, University of Illinois, Urbana, Ill. 61801.
54 Fogel, Robert W., Dept. of Economics, Harvard University, Cambridge, Mass. 02138.
24 Folch-Pi, Jordi, McLean Hospital, 115 Mill St., Belmont, Mass. 02178.
14 Folkers, Karl August, University of Texas, Austin, Texas 78712.

16 Forbush, Scott Ellsworth, Carnegie Institute of Washington, 5241 Broad Branch Rd., N.W., Washington, D.C. 20015.

23 Forster, Robert E., Department of Physiology, School of Medicine, University of Pennsylvania, Philadelphia, Pa. 19104.

51 Foster, George McC., Jr., Department of Anthropology, University of California, Berkeley, Calif. 94720.

13 Fowler, William A., California Institute of Technology, Pasadena, Calif. 91125.

22 Fraenkel, Gottfried S., University of Illinois, Urbana, Ill. 61801.

21 Fraenkel-Conrat, Heinz L., Virus Laboratory, University of California, Berkeley, Calif. 94720.

13 Frauenfelder, Hans, Department of Physics, University of Illinois, Urbana, Ill. 61801.

25 Fred, Edwin B., m.s., ph.d., University of Wisconsin, Madison, Wis. 53706.

42 Fredrickson, Donald S., Office of the Director, National Institutes of Health, Bethesda, Md. 20014.

53 Freedman, Ronald, Population Studies Center, University of Michigan, 1225 South University Ave., Ann Arbor, Mich. 48109.

25 French, C. Stacey, Carnegie Institution of Washington, Stanford, Calif. 94305.

14 Fried, Josef, Department of Chemistry, University of Chicago, Chicago, Ill. 60637.

21 Friedkin, Morris E., Basic Science Bldg. 4080, M-001, University of California, San Diego, La Jolla, Calif. 92093.

14 Friedlander, Gerhart, Department of Chemistry, Brookhaven National Laboratory, Upton, N.Y. 11973.

12 Friedman, Herbert, United States Naval Research Laboratory (Code 7100), Washington, D.C. 20375.

54 Friedman, Milton, Hoover Institution, Stanford University, Stanford, Calif. 94305.

11 Friedrichs, Kurt Otto, Courant Institute of Mathematical Sciences, New York University, New York, N.Y. 10012.

41 Friend, Charlotte, Mount Sinai School of Medicine, City University of New York, Fifth and 100th St., New York, N.Y. 10029.

21 Fruton, Joseph S., Yale University, 350 Kline Biology Tower, New Haven, Conn. 06520.

16 Fultz, Dave, Department of Geophysical Sciences, University of Chicago, 5734 South Ellis Ave., Chicago, Ill. 60637.

14 Fuoss, Raymond M., sc.b., ph.d., 68 North Lake Drive, Hamden, Conn. 06517.

31 Furth, Harold P., Princeton University, P.O.B. 451, Princeton, N.J. 08540.

41 Furth, Jacob, Columbia University College of Physicians and Surgeons, 701 West 168th St., New York, N.Y. 10032.

14 Fuson, R. C., a.m., ph.d., University of Illinois, Urbana, Ill. 61801.

24 Gajdusek, D. Carleton, National Institute of Neurological Diseases and Stroke, National Institutes of Health, Bethesda, Md. 20014.

52 Galambos, Robert, University of California, San Diego, La Jolla, Calif. 92093.

22 Gall, Joseph G., Department of Biology, 418 Kline Biology Tower, Yale University, New Haven, Conn. 06520.

33 Garabedian, Paul R., New York University, 251 Mercer St., New York, N.Y. 10012.

22 Garen, Alan, Yale University, Box 1937, Yale Station, New Haven, Conn. 06520.

51 Garn, Stanley M., Center for Human Growth and Development, University of Michigan, 1111 East Catherine St., Ann Arbor, Mich. 48109.

52 Garner, Wendell R., Department of Psychology, Yale University, New Haven, Conn. 06520.

15 Garrels, Robert M., Department of Geological Sciences, Northwestern University, Evanston, Ill. 60201.

13 Garwin, Richard L., Thomas J. Watson Research Center, IBM Corporation, P.O.B. 218, Yorktown Heights, N.Y. 10598.

14 Gates, Marshall DeMotte, Jr., Dept. of Chemistry, University of Rochester, Rochester, N.Y. 14627.

33 Geballe, Theodore H., Department of Applied Physics, Stanford University, Stanford, Calif. 94305.

51 Geertz, Clifford J., Institute for Advanced Study, Princeton, N.J. 08540.

21 Geiduschek, E. Peter, Department of Biology, University of California, San Diego, P.O.B. 109, La Jolla, Calif. 92037.

13 Gell-Mann, Murray, California Institute of Technology, Pasadena, Calif. 91125.

12 Giacconi, Riccardo, Center for Astrophysics, 60 Garden St., Cambridge, Mass. 02138.

33 Giaever Ivar, General Electric Co., Research and Development Center, P.O.B. 8, Schenectady, N.Y. 12301.

14 Giauque, William F., b.s., ph.d., sc.d., University of California, Berkeley, Calif. 94720.

25 Gibbs, Martin, Department of Biology, Brandeis University, Waltham, Mass. 02153.

52 Gibson, Eleanor J., Department of Psychology, Cornell University, Ithaca, N.Y. 14853.

52 Gibson, James J., Department of Psychology, Cornell University, Ithaca, N.Y. 14853.

16 Gilbert, J. Freeman, Institute of Geophysics and Planetary Physics, A-025, University of California, San Diego, La Jolla, Calif. 92093.

21 Gilbert, Walter, Biological Laboratories, Harvard University, 16 Divinity Ave., Cambridge, Mass. 02138.

26 Giles, Norman H., Dept. of Zoology, University of Georgia, Athens, Ga. 30602.

23 Gilman, Alfred, Department of Pharmacology, Yale University School of Medicine, 333 Cedar St., New Haven, Conn. 06510.

14 Gilman, Henry, b.s., a.m., ph.d., Iowa State University, Ames, Iowa 50012.

31 Gilruth, Robert R., 5128 Park Ave., Dickinson, Tex. 77539.

31 Ginzton, E. L., Varian Associates, 611 Hansen Way, Palo Alto, Calif. 94303.

13 Glaser, Donald Arthur, University of California, Berkeley, Calif. 94720.

13 Glashow, Sheldon L., 30 Prescott St., Brookline, Mass. 02146.

26 Glass, Hiram Bentley, State University of New York, Stony Brook, N.Y. 11790.

11 Gleason, Andrew M., Harvard University, 1 Oxford St., Cambridge, Mass. 02138.

25 Goddard, David Rockwell, ph.d., National Academy of Sciences, 2101 Constitution Ave., Washington, D.C. 20418.

24 Goebel, Walther Frederick, Rockefeller University, New York, N.Y. 10021.

16 Gold, Thomas, Cornell University, Ithaca, N.Y. 14853.

12 Goldberg, Leo, Kitt Peak National Observatory, 950 N. Cherry Ave., P.O.B. 26732, Tucson, Ariz. 85726.

13 Goldberger, M. L., Princeton University, Princeton, N.J. 08540.

13 Goldhaber, Gertrude S., Brookhaven National Laboratory, Upton, N.Y. 11973.

13 Goldhaber, Maurice, Brookhaven National Laboratory, Upton, N.Y. 11973.

31 Goldmark, Peter C., Goldmark Communications Corporation, 98 Commerce Rd., Stamford, Conn. 0604.

16 Goldreich, Peter M., Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, Calif. 91125.

33 Goldstine, Herman H., Thomas J. Watson Research Center, IBM Corporation, P.O.B. 218, Yorktown Heights, N.Y. 10598.

33 Gomory, R. E., Thomas J. Watson Research Center, IBM Corporation, P.O.B. 218, Yorktown Heights, N.Y. 10598.

43 Good, Robert A., Office of the President and Director, Sloan-Kettering Institute for Cancer Research, 410 East 68th St., New York, N.Y. 10021.

51 Goodenough, Ward H., Department of Anthropology, University of Pennsylvania Museum, 33rd and Spruce Sts., Philadelphia, Pa. 19104.

53 Goodman, Leo A., Department of Statistics, University of Chicago, 1118 East 58th St., Chicago, Ill. 60637.

23 Goodman, Louis S., University of Utah, Salt Lake City, Utah 84132.

16 Goody, Richard M., Pierce Hall, Harvard University, Cambridge, Mass. 02138.

14 Gordon, Roy G., Department of Chemistry, Harvard University, 12 Oxford St., Cambridge, Mass. 02138.

33 Gordon, William E., Rice University, Houston, Tex. 77001.

13 Gordy, Walter, Duke University, Durham, N.C. 27706.

42 Gottschalk, Carl W., Department of Medicine, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514.

13 Goudsmit, Samuel A., ph.d., Department of Physics, University of Nevada, Reno, Nevada 89507.

31 Gould, Roy W., California Institute of Technology, Pasadena, Calif. 91125.

33 Grad, Harold, Courant Institute of Mathematical Sciences, 251 Mercer St., New York, N.Y. 10012.

27 Grant, Verne E., Department of Botany, University of Texas, Austin, Tex. 78712.

14 Gray, Harry B., Division of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, Calif. 91125.

21 Green, David Ezra, University of Wisconsin, 1710 University Avenue, Madison, Wis. 53706.
52 Green, David M., Harvard University, 33 Kirkland St., Cambridge, Mass. 02138.
22 Green, Howard, Room 56-535, M.I.T., 77 Massachusetts Ave., Cambridge, Mass. 02139.
51 Greenberg, Joseph H., Stanford University, Stanford Calif. 94305.
24 Greengard, Paul, Yale University School of Medicine, 333 Cedar St., New Haven, Conn. 06510.
12 Greenstein, Jesse L., California Institute of Technology, Pasadena, Calif. 91125.
13 Greisen, Kenneth I., Dept. of Astronomy, Cornell University, Ithaca, N.Y. 14830.
24 Griffin, Donald R., Rockefeller University, New York, N.Y. 10021.
51 Griffin, James B., University of Michigan, Ann Arbor, Mich. 48104.
54 Griliches, Zvi, Harvard University, 1737 Cambridge St., Room 414, Cambridge, Mass. 02138.
22 Grobstein, Clifford, Science, Technology and Public Affairs, University of California, San Diego, La Jolla, Calif. 92093.
42 Gross, Jerome, Developmental Biology Laboratory, Massachusetts General Hospital, Boston, Mass. 02114.
41 Gross, Ludwik, Cancer Research Unit, Veterans Administration Hospital, 130 West Kingsbridge Rd., Bronx, N.Y. 10468.
42 Gross, Robert E., Box 493, Brattleboro, Vermont 05301.
24 Grundfest, Harry, Columbia University, 630 West 168th St., New York, N.Y. 10032.
14 Grunwald, Ernest, Department of Chemistry, Brandeis University, Waltham, Mass. 02154.
52 Guilford, Joy P., P.O.B. 1288, Beverly Hills, Calif. 90213.
42 Guillemin, Roger C. L., Department of Neuroendocrinology, Salk Institute for Biological Studies, P.O.B. 1809, San Diego, Calif. 92112.
12 Gunn, James E., Hale Observatories, California Institute of Technology, 813 Santa Barbara St., Pasadena, Calif. 91101.
21 Gunsalus, Irwin C., Biochemistry Department, 420 Roger Adams Laboratory, University of Illinois, Urbana, Ill. 61801.
14 Gutowsky, H. S., Department of Chemistry, University of Illinois, Urbana, Ill. 61801.
51 Haas, Mary R., University of California, Berkeley, Calif. 94720.
22 Habel, Karl, Room 108E, Reading Institute of Rehabilitation, RD 1, Box 252, Reading, Pa. 19607.
14 Hackerman, Norman, Office of the President, Rice University, P.O.B. 1892, Houston, Tex. 77001.
31 Haensel, Vladimir, Universal Oil Products Co., 10 UOP Plaza, Des Plaines, Ill. 60016.
23 Hagiwara, Susumu, University of California, Los Angeles, Calif. 90024.
33 Hagstrum, Homer D., Bell Telephone Laboratories, Inc., 600 Mountain Ave., Murray Hill, N.J. 07974.
13 Hahn, E. L., Department of Physics, University of California, Berkeley, Calif. 94720.
13 Hall, Robert N., General Electric Corporate Research and Development, P.O.B. 8, Schenectady, N.Y. 12301.
32 Halver, John E., College of Fisheries, University of Washington, Seattle, Wash. 98195.
24 Hamburger, Viktor, ph.d., Washington University, St. Louis, Mo. 63130.
14 Hammes, Gordon G., Department of Chemistry, Cornell University, Ithaca, N.Y. 14850.
14 Hammond, George S., Allied Chemical Corpn., P.O.B. 1021R, Morristown, N.J. 07960.
21 Handler, Philip, National Academy of Sciences, Washington, D.C. 20418.
31 Hannay, N. Bruce, Bell Telephone Laboratories Inc., 600 Mountain Ave., Murray Hill, N.J. 07974.
33 Hansen, Morris H., 5212 Goddard Rd., Bethesda, Md. 20014.
23 Hardy, James D., John B. Pierce Foundation Laboratory, 290 Congress Ave., New Haven, Conn. 06519.
14 Harker, David, 23 High St., Buffalo, N.Y. 14203.
32 Harlan, Jack R., Department of Agronomy, S-516 Turner Hall, University of Illinois, Urbana, Ill. 61801.
52 Harlow, Harry F., b.a., ph.d., 672 Roller Coaster Rd., Tuscon, Ariz. 85704.
32 Harrar, J. G., 125 Puritan Drive, Scarsdale, N.Y. 10583.
21 Harrington, William F., McCollum-Pratt Institute, Johns Hopkins University, Baltimore, Md. 21218.
33 Harris, Zellig S., Department of Linguistics, University of Pennsylvania, 401 Williams Hall, Philadelphia, Pa. 19174.
24 Hartline, Haldan Keffer, Rockefeller University, New York, N.Y. 10021.
26 Haskins, Caryl P., Suite 600, 2100 M St., N.W., Washington, D.C. 20037.
27 Hasler, Arthur D., University of Wisconsin, Madison, Wis. 53706.
21 Haurowitz, Felix, Department of Chemistry, Indiana University, Bloomington, Ind. 47401.
16 Haurwitz, Bernhard, Department of Atmospheric Science, Colorado State University, Fort Collins, Colo. 80523.
51 Haury, Emil W., Department of Anthropology, University of Arizona, Tucson, Ariz. 85721.
53 Hauser, Philip M., Population Research Center, University of Chicago, 1126 East 59th St., Chicago, Ill. 60637.
13 Haworth, Leland J., 15 Deer Path, Belle Terre, Port Jefferson, N.Y. 11777.
14 Hawthorne, M. Frederick, Department of Chemistry, University of California, Los Angeles, Calif. 90024.
15 Hedberg, Hollis D., 118 Library Place, Princeton, N.J. 08540.
12 Heeschen, David S., National Radio Astronomy Observatory, Edgemont Rd., Charlottesville, Va. 22901.
32 Hegsted, David M., Department of Nutrition, Harvard University School of Public Health, 665 Huntington Ave., Boston, Mass. 02115.
41 Heidelberger, Charles, University of Southern California Cancer Center, 1721 North Griffin Ave., Los Angeles, Calif. 90031.
43 Heidelberger, Michael, b.s., a.m., ph.d., New York University School of Medicine, 550 First Avenue, New York, N.Y. 10016.
51 Heizer, Robert F., Department of Anthropology, Archaeological Research Facility, University of California, Berkeley, Calif. 94720.
52 Held, Richard M., E10-137, Department of Psychology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
16 Helliwell, R. A., Radioscience Laboratory, Stanford University, Stanford, Calif. 94305.
25 Hendricks, Sterling B., 1118 Dale Drive, Silver Spring, Md. 20910.
43 Henle, Werner, Joseph Stokes Jr. Research Institute, Children's Hospital of Philadelphia, Philadelphia, Pa. 19104.
21 Heppel, Leon A., Section of Biochemistry and Molecular Biology, Cornell University, Ithaca, N.Y. 14853.
32 Hepting, George H., 11 Maplewood Rd., Asheville, N.C. 28804.
13 Herb, R. G., National Electrostatics Corporation, P.O.B. 117, Graber Rd., Middleton, Wis. 53562.
12 Herbig, George Howard, Lick Observatory, University of California, Santa Cruz, Calif. 95064.
12 Herget, Paul, Cincinnati Observatory, Cincinnati, Ohio 45208.
13 Herring, William C., Stanford University, Stanford, Calif. 94305.
14 Herschbach, Dudley R., Department of Chemistry, Harvard University, 12 Oxford St., Cambridge, Mass. 02138.
26 Hershey, Alfred Day, RD Box 1640, Moores Hill Rd., Syosset, N.Y. 11791.
42 Hertz, Roy, Department of Pharmacology, George Washington University, 2300 Eye St., N.W., Washington, D.C. 20037.
31 Hewlett, William R., Hewlett-Packard Company, 1501 Page Mill Rd., Palo Alto, Calif. 94304.
14 Hildebrand, Joel H., b.s., ph.d., 500 Coventry Rd., Berkeley (Kensington), Calif. 94707.
52 Hilgard, Ernest R., Stanford University, Stanford, Calif. 94305.
21 Hill, Robert L., Department of Biochemistry, Duke University Medical Centre, Durham N.C. 27710.
21 Hill, Terrell L., National Institute of Arthritis and Metabolic Diseases, National Institutes of Health, Bethesda, Md. 20014.
11 Hille, Einar, 8862 La Jolla Scenic Drive N., La Jolla, Calif. 92037.
43 Hirsch, James G., Rockefeller University, New York, N.Y. 10021.
14 Hirschfelder, Joseph O., b.s., ph.d., Theoretical Chemistry Institute, University of Wisconsin, Madison, Wis. 53706.
43 Hirst, George K., Public Health Research Institute Inc., 455 First Ave., New York, N.Y. 10016.
21 Hitchings, George H., 4022 Bristol Rd., Durham, N.C. 27707.

14 HOARD, J. L., Department of Chemistry, Cornell University, Ithaca, N. Y. 14853.

51 HOCKETT, CHARLES F., Department of Anthropology, Cornell University, Ithaca, N.Y. 14853.

11 HOEFFDING, WASSILY, Department of Statistics, University of North Carolina, Chapel Hill, N.C. 27514.

14 HOFFMANN, ROALD, Department of Chemistry, Cornell University, Ithaca, N.Y. 14853.

21 HOFMANN, KLAUS, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261.

13 HOFSTADTER, ROBERT, Department of Physics, Stanford University, Stanford, Calif. 94305.

22 HOGNESS, DAVID S., Department of Biochemistry, Stanford University Medical Center, Stanford, Calif. 94305.

26 HOLLAENDER, ALEXANDER, Associated Universities Inc., 1717 Massachusetts Ave., N.W., Washington, D.C. 20036.

22 HOLLEY, ROBERT W., Salk Institute for Biological Studies, P.O.B. 1809, San Diego, Calif. 92112.

14 HOLM, RICHARD H., Department of Chemistry, Stanford University, Stanford, Calif. 94305.

22 HOLTFRETER, JOHANNES, Biological Laboratories, University of Rochester, Rochester, N.Y. 14627.

53 HOMANS, GEORGE C., Department of Sociology, William James Hall 480, Harvard University, Cambridge, Mass. 02138.

13 HOPFIELD, JOHN J., Department of Physics, Joseph Henry Laboratories, Princeton University, Princeton, N.J. 08540.

21 HORECKER, B. L., Roche Institute of Molecular Biology, Nutley, N.J. 07110.

14 HORNIG, DONALD F., Room 226, Aiken Computation Laboratory, Harvard University, Cambridge, Mass. 02138.

26 HOROWITZ, NORMAN H., California Institute of Technology, Pasadena, Calif. 91125.

32 HORSFALL, JAMES G., Connecticut Agricultural Experiment Station, Box 1106, New Haven, Conn. 06504.

43 HORSTMANN, DOROTHY M., Yale University School of Medicine, 333 Cedar St., New Haven, Conn. 06510.

22 HOTCHKISS, ROLLIN D., Rockefeller University, New York, N.Y. 10021.

31 HOTTEL, HOYT C., Room 12-110, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

31 HOUSNER, GEORGE W., Division of Engineering and Applied Science, California Institute of Technology, Pasadena, Calif. 91125.

54 HOUTHAKKER, HENDRIK S., 218 Littauer Center, Harvard University, Cambridge, Mass. 02138.

33 HOWARD, LOUIS N., Dept. of Mathematics, 2-377 Massachusetts Institute of Technology, Cambridge, Mass. 02139.

51 HOWELL, F. CLARK, Department of Anthropology, University of California, Berkeley, Calif. 94720.

51 HOWELLS, W. W., Peabody Museum, Harvard University, Cambridge, Mass. 02138.

15 HUBBERT, M. KING, 5208 Westwood Drive, N.W., Washington, D.C. 20016.

27 HUBBS, CARL L., Scripps Institution of Oceanography, La Jolla, Calif. 92093.

24 HUBEL, DAVID H., Department of Neurobiology, Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.

43 HUEBNER, ROBERT J., National Institutes of Health, Bethesda, Md. 20014.

41 HUGGINS, CHARLES BRENTON, M.D., M.SC., D.SC., University of Chicago, 950 East 59th Street, Chicago, Ill. 60637.

13 HUGHES, VERNON W., Department of Physics, Yale University, New Haven, Conn. 06520.

14 HUIZENGA, JOHN R., Department of Chemistry, University of Rochester, River Station, Rochester, N.Y. 14627.

51 HULSE, FREDERICK S., Department of Anthropology, University of Arizona, Tucson, Ariz. 85721.

31 HUNSAKER, J. C., M.S., SC.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

52 HURVICH, LEO M., Department of Psychology, University of Pennsylvania, 3815 Walnut St., Philadelphia, Pa. 19104.

54 HURWICZ, LEONID, Department of Economics, University of Minnesota, Minneapolis, Minn. 55455.

21 HURWITZ, JERARD, Department of Developmental Biology and Cancer, Albert Einstein College of Medicine, 1300 Morris Park Ave., Bronx, N.Y. 10461.

27 HUTCHINSON, GEORGE EVELYN, M.A., Yale University, New Haven, Conn. 06520.

14 HUTCHISON, CLYDE A., Jr., University of Chicago, Chicago, Ill. 60637.

15 IMBRIE, JOHN, Dept. of Geological Sciences, Brown University, Providence, R.I. 02912.

13 INGHRAM, MARK G., University of Chicago, Chicago, Ill. 60637.

42 INGLE, DWIGHT J., Box 335, Route 1, Rapid City, Mich. 49676.

26 IRWIN, MALCOLM ROBERT, M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.

31 ISSACS, JOHN D., Institute of Marine Resources, Scripps Institution of Oceanography, University of California, San Diego, La Jolla, Calif. 92093.

42 ISSELBACHER, KURT J., Gastrointestinal Unit, Massachusetts General Hospital, Boston, Mass. 02114.

41 JACOBSON, LEON O., University of Chicago, 950 East 59th Street, Chicago, Ill. 60637.

11 JACOBSON, NATHAN, Yale University, New Haven, Conn. 06520.

15 JAMES, HAROLD LLOYD, United States Geological Survey, 1617 Washington St., Port Townsend, Wash. 98368.

52 JAMESON, DOROTHEA, Department of Psychology, University of Pennsylvania, 3815 Walnut St., Philadelphia, Pa. 19104.

13 JAVAN, ALI, Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

21 JENCKS, WILLIAM P., Graduate Department of Biochemistry, Brandeis University, Waltham, Mass. 02154.

51 JENNINGS, JESSE D., Dept. of Anthropology, University of Utah, Salt Lake City, Utah 84112.

42 JENSEN, ELWOOD V., University of Chicago, 950 East 59th St., Chicago, Ill. 60637.

33 JOHN, FRITZ, Courant Institute of Mathematical Sciences, 251 Mercer St., New York, N.Y. 10012.

31 JOHNSON, CLARENCE L., Lockheed Aircraft Corporation, Burbank, Calif. 91503.

12 JOHNSON, H. L., Institute of Astronomy, UNAM, Apdo. 70-264, Mexico 20, D.F., Mexico.

14 JOHNSON, WILLIAM S., Department of Chemistry, Stanford University, Stanford, Calif. 94305.

14 JOHNSTON, HAROLD S., University of California, Berkeley, Calif. 94720.

54 JORGENSON, DALE W., Harvard University, 1737 Cambridge St., Room 409, Cambridge, Mass. 02138.

21 KABAT, ELVIN, A., Columbia University College of Physicians and Surgeons, 701 West 168th St., New York, N.Y. 10032.

11 KAC, MARK, Rockefeller University, New York N.Y. 10021.

13 KADANOFF, LEO P., James Franck Institute, University of Chicago, Chicago, Ill. 60637.

26 KAISER, A. DALE, Stanford University School of Medicine. Stanford, Calif. 94305.

21 KALCKAR, HERMAN M., Massachusetts General Hospital, Boston, Mass. 02114.

21 KAMEN, MARTIN DAVID, Chemical-Biological Development Laboratory, University Park, W.AHM. 126, University of Southern California, Los Angeles, Calif. 90007.

24 KANDEL, ERIC R., Columbia University College of Physicians and Surgeons, 630 West 168th St., New York, N.Y. 10032.

33 KANTROWITZ, ARTHUR, AVCO-Everett Research Laboratory, 2385 Revere Beach Parkway, Everett, Mass. 02149.

41 KAPLAN, HENRY S., Department of Radiology, Stanford University Medical Center, Stanford, Calif. 94305.

33 KAPLAN, JOSEPH, 1565 Kelton Ave., Los Angeles, Calif. 90024.

21 KAPLAN, NATHAN O., Department of Chemistry, University of California, San Diego, La Jolla, Calif. 92093

11 KAPLANSKY, IRVING, University of Chicago, Chicago, Ill. 60637.

14 KARLE, ISABELLA L., Laboratory for the Structure of Matter, U.S. Naval Research Laboratory, Code 6030, Washington, D.C. 20735.

14 KARIE, JEROME, Code 6030, Laboratory for the Structure of Matter, Naval Research Laboratory, Washington, D.C. 20375.

33 KARLIN, SAMUEL, Department of Mathematics, Stanford University, Stanford, Calif. 94305.

14 KARPLUS, MARTIN, Department of Chemistry, Harvard University, 12 Oxford St., Cambridge, Mass. 02138.

14 KASHA, MICHAEL, Institute of Molecular Biophysics, Florida State University, Tallahassee, Fla. 32306.

53 KATES, ROBERT W., 10 Einhorn Rd., Worcester, Mass. 01609.

14 KATZ, JOSEPH J., Chemistry Division, Argonne National Laboratory, 9700 South Cass Ave., Argonne, Ill. 60639.

14 KAUZMANN, WALTER J., Princeton University, Princeton, N.J. 08540.

33 KELLER, JOSEPH B., Courant Institute of Mathematical Sciences, New York University, 251 Mercer St., N.Y. 10012.

12 KELLERMANN, KENNETH I., National Radio Astronomy Observatory, P.O.B. 2, Greenbank, W. Va. 24944.

53 Kelley, Harold H., University of California, Los Angeles, Calif. 90024.
32 Kelman, Arthur, Department of Plant Pathology, University of Wisconsin, 1630 Linden Drive, Madison, Wis. 53706.
24 Kennedy, Donald, Office of the Commissioner of Food and Drugs, Parklawn, 5600 Fishers Lane, Rockville, Md. 20857.
21 Kennedy, Eugene P., Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.
13 Kerst, Donald William, b.a., ph.d., University of Wisconsin, Madison, Wis. 53706.
24 Kety, Seymour Solomon, Mailman Research Center, McLean Hospital, 115 Mill St., Belmont, Mass. 02178.
53 Keyfitz, Nathan, William James Hall, Room 480, Harvard University, Cambridge, Mass. 02138.
21 Khorana, H. Gobind, Department of Biology and Chemistry, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
11 Kiefer, Jack C., Statistics Dept., University of California, Berkeley, Calif. 94720.
43 Kilbourne, Edwin D., Dept. of Microbiology, Mt. Sinai School of Medicine, 1 Gustave Levy Place, at 100 St. and 5th Ave., New York, N.Y. 10029.
31 Kinzel, Augustus B., 1738 Castellana Rd., La Jolla, Calif. 92037.
14 Kistiakowsky, G. B., ph.d., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
13 Kittel, Charles, University of California, Berkeley, Calif 94720.
11 Kleene, Stephen C., University of Wisconsin, Madison, Wis. 53706.
54 Klein, Lawrence R., Economics Department, University of Pennsylvania, Philadelphia, Pa. 19104.
13 Klein, Martin J., Dept. of Physics, Yale University, Box 2036, Yale Station, New Haven, Conn. 06520.
14 Klemperer, William A., Harvard University, Cambridge, Mass. 02138.
21 Klotz, Irving M., Department of Chemistry, Northwestern University, Evanston, Ill. 60201.
52 Klüver, Heinrich, University of Chicago, Chicago, Ill 60637.
32 Knipling, E. F., 2623 Military Rd., Arlington, Va. 22207.
16 Knopoff, Leon, Institute of Geophysics and Planetary Physics, University of California, Los Angeles, Calif. 90024.
33 Knuth, Donald E., Computer Science Department, Stanford University, Stanford, Calif. 94305.
24 Koelle, George B., Department of Pharmacology, University of Pennsylvania School of Medicine, Philadelphia, Pa. 19104.
13 Kohn, Walter, University of California, San Diego, La Jolla, Calif. 92093.
25 Kok, Bessel, Martin Marietta Laboratories, 1450 South Rolling Rd., Baltimore, Md. 21227.
14 Kolthoff, Izaak Maurits, School of Chemistry, University of Minnesota, Minneapolis, Minn. 55455.
54 Koopmans, Tjalling C., Yale University, New Haven, Conn. 06520.
22 Koprowski, Hilary, The Wistar Institute, 36th St. at Spruce, Philadelphia, Pa. 19104.
21 Kornberg, Arthur, Stanford University Medical School Stanford, Calif. 94305.
21 Koshland, Daniel E., Jr., Department of Biochemistry, University of California, Berkeley, Calif. 94720.
11 Kostant, Bertram, Room 2-282, M.I.T., Cambridge, Mass. 02139.
12 Kraft, Robert P., Lick Observatory, University of California, Santa Cruz, Calif. 95064.
25 Kramer, Paul J., Duke University, Durham, N.C. 27706.
21 Krampitz, Lester O., Dept. of Microbiology, Case Western Reserve University, Cleveland, Ohio 44106.
43 Krause, Richard M., National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, Md. 20014.
12 Kraushaar, William L., Department of Physics, University of Wisconsin, 475 North Charter St., Madison, Wis. 53706.
15 Krauskopf, Konrad B., School of Earth Sciences, Stanford University, Stanford, Calif. 94305.
23 Krayer, Otto, 3940 East Timrod St., Apt. 202, Tucson, Ariz. 85711.
21 Krebs, Edwin G., Dept. of Pharmacology, SJ-30, University of Washington, Seattle, Wash. 98195.
51 Krogman, W. M., Lancaster Cleft Palate Clinic, 24 North Lime St., Lancaster, Pa. 17602.
13 Kroll, Norman M., Department of Physics, P.O.B. 109, University of California, San Diego, La Jolla, Calif. 92093.
43 Krugman, Saul, New York University Medical Centre, 550 First Ave., New York, N.Y. 10016.
24 Kuffler, Stephen W., Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
43 Kunkel, Henry G., Rockefeller University, New York, N.Y. 10021.
13 Kusch, P., University of Texas, Dallas, Box 688, Richardson, Tex. 75080.
54 Kuznets, Simon, 67 Francis Ave., Cambridge, Mass. 02138.
15 Lachenbruch, Arthur H., U.S. Geological Survey, 345 Middlefield Rd., Menlo Park, Calif. 94025.
13 Lamb, Willis Eugene, Jr., Department of Physics, University of Arizona, Tucson, Ariz. 85721.
43 Lancefield, Rebecca C., Rockefeller University, New York, N.Y. 10021.
13 Land, Edwin H., Polaroid Corpn., Cambridge, Mass. 02139.
25 Lang, Anton, MSU/ERDA Plant Research Laboratory, Michigan State University, East Lansing, Mich. 48824.
15 Langbein Walter B., United States Geological Survey, Reston, Va. 22092.
21 Lardy, Henry Arnold, Institute for Enzyme Research, University of Wisconsin, Madison, Wis. 53706.
24 Larrabee, Martin G., Johns Hopkins University, Baltimore, Md. 21218.
53 Lasswell, Harold D., Yale University Law School, 127 Wall St., New Haven, Conn. 06520.
43 Lawrence, H. Sherwood, New York University Medical Center, 550 First Ave., New York, N.Y. 10016.
33 Lax, Benjamin, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
11 Lax, Peter D., Courant Institute of Mathematical Sciences, 251 Mercer St., New York, N.Y. 10012.
42 Leaf, Alexander, Massachusetts General Hospital, Boston, Mass. 02114.
26 Lederberg, Joshua, Rockefeller University, 1230 York Ave., New York, N.Y. 10021.
13 Lederman, Leon M., Columbia University, 538 West 120th Street, New York, N.Y. 10027.
13 Lee, Tsung-Dao, Columbia University, New York, N.Y. 10027.
21 Lehman, Israel R., Dept. of Biochemistry, Stanford University School of Medicine, Stanford, Calif. 94305.
33 Lehmann, Erich L., Statistics Dept., University of California, Berkeley, Calif. 94720.
21 Lehninger, A. L., Johns Hopkins University, 725 North Wolfe St., Baltimore, Md. 21205.
12 Leighton, R. B., California Institute of Technology, Pasadena, Calif. 91125.
14 Leonard, Nelson J., Department of Chemistry, University of Illinois, Urbana, Ill. 61801.
54 Leontief, Wassily, Department of Economics, 518 Tisch Hall, New York University, Washington Square, New York, N.Y. 10003.
32 Leopold, A. Starker, School of Forestry, University of California, Berkeley, Calif. 94720.
25 Leopold, Estella Bergere, Qua Pernary Research Center, University of Washington, Seattle, Wash. 98195.
15 Leopold, Luna B., Dept. of Geology and Geophysics, Earth Sciences Building, University of California, Berkeley, Calif. 94720.
42 Lerner, Aaron B., Department of Dermatology, School of Medicine, Yale University, New Haven, Conn. 06510.
54 Lerner, Abba P., Department of Economics, Queen's College of the City University of New York, Flushing, N.Y. 11367.
24 Levi-Montalcini, Rita, Department of Biology, Washington University, St. Louis, Mo. 63130.
41 Levine, Philip, Ortho Research Foundation, Raritan, N.J. 08869.
26 Levinthal, Cyrus, Department of Biological Sciences, Columbia University, New York, N.Y. 10027.
26 Lewis, Edward B., California Institute of Technology, Pasadena, Calif. 91125.
11 Lewy, Hans, University of California, Berkeley, Calif 94720.
21 Li, Choh Hao, Hormone Research Laboratory, University of California, San Francisco, Calif. 94143.
14 Libby, Willard Frank, ph.d., University of California, 405 Hilgard Avenue, Los Angeles, Calif. 90024.
52 Liberman, Alvin M., Department of Psychology, University of Connecticut, Storrs, Conn. 06268.
31 Licklider, J. C. R., 40 Pleasant View Rd., Arlington, Mass. 02174.
42 Lieberman, Seymour, College of Physicians and Surgeons, 630 West 168th St., New York, N.Y. 10032.
33 Liepmann, Hans W., Graduate Aeronautical Laboratories, California Institute of Technology, Pasadena, Calif. 91125.

33 **Lin, Chia-Chiao**, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

26 **Lindsley, Dan L., Jr.**, Department of Biology, University of California, San Diego, La Jolla, Calif. 92093.

52 **Lindsley, Donald B.**, University of California, Los Angeles, Calif. 90024.

16 **Lindzen, Richard S.**, 301 Lake Ave., Newton, Mass. 02161.

21 **Lipmann, Fritz Albert**, Rockefeller University, New York, N.Y. 10021.

14 **Lipscomb, William N.**, Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.

53 **Lipset, S. M.**, Dept. of Political Sciences and Sociology, Stanford University, Stanford, Calif. 94305.

41 **Littlefield, John W.**, Johns Hopkins Hospital, Baltimore, Md. 21205.

13 **Livingston, M. Stanley**, 1005 Calle Largo, Santa Fe, N.M. 87501.

41 **London, Irving M.**, Harvard-MIT Program in Health Sciences and Technology, 77 Massachusetts Ave., Cambridge, Mass. 02139.

14 **Long, Franklin A.**, Cornell University, Ithaca, N.Y. 14853.

24 **Lorente de Nó, Rafael**, University of California School of Medicine, Los Angeles, Calif. 90024.

16 **Lorenz, Edward N.**, Department of Meteorology, M.I.T., Cambridge, Mass. 02139.

51 **Lounsbury, Floyd G.**, Yale University, New Haven, Conn. 06520.

15 **Lovering, Thomas Seward**, Apt. 186 Northview, 2663 Tallant Rd., Santa Barbara, Calif. 93105.

13 **Low, Francis E.**, Room 6-313, Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

12 **Low, Frank J.**, Lunar and Planetary Laboratory, University of Arizona, Tucson, Ariz. 85721.

21 **Lowry, Oliver H.**, Washington University, 660 South Euclid, St. Louis, Mo. 63110.

52 **Luce, R. Duncan**, William James Hall, Harvard University, Cambridge, Mass. 02138.

21 **Luria, S. E.**, Department of Biology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 **Luttinger, J. M.**, Department of Physics, Columbia University, New York, N.Y. 10027.

12 **Luyten, Willem J.**, 211 Space Science Center, University of Minnesota, Minneapolis, Minn. 55455.

12 **Lynds, Roger**, Aura Inc., Kitt Peak National Observatory, 950 North Cherry Ave., P.O.B. 26732, Tucson, Ariz. 85726.

16 **MacDonald, Gordon J. F.**, 308 Murdough Center, Dartmouth College, Hanover, N.H. 03755.

33 **MacDonald, J. Ross**, Department of Physics and Astronomy, University of North Carolina, Chapel Hill, N.C. 27514.

11 **Mackey, George W.**, Harvard University, Cambridge, Mass. 02138.

11 **MacLane, Saunders, A.M., D.PHIL.**, University of Chicago, Chicago, Ill. 60637.

51 **MacNeish, Richard S.**, R.S. Peabody Foundation for Archaeology, Box 71, Andover, Mass. 01810.

21 **Magasanik, Boris**, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 **Mahan, Bruce H.**, Department of Chemistry, University of California, Berkeley, Calif. 94720.

16 **Malkus, Willem V. R.**, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

16 **Malone, Thomas F.**, Holcomb Research Institute, Butler University, Indianapolis, Ind. 46208.

32 **Mangelsdorf, P. C.**, 510 Caswell Rd., Chapel Hill, N.C. 27514.

53 **March, James G.**, School of Education, Stanford University, Stanford, Calif. 94305.

14 **Marcus, R. A.**, Department of Chemistry, University of Illinois, Urbana, Ill. 61801.

21 **Margoliash, E.**, Dept. of Biochemistry and Molecular Biology, Northwestern University, Evanston, Ill. 60201.

14 **Margrave, John L.**, Office of Advanced Studies and Research, Rice University, P.O.B. 1892, Houston, Tex. 77001.

14 **Mark, H. F.**, Polytechnic Institute of Brooklyn, Brooklyn, N.Y. 11201.

22 **Markert, Clement L.**, Department of Biology, Yale University, New Haven, Conn. 06520.

41 **Marks, Paul A.**, College of Physicians and Surgeons, Columbia University, 630 West 168th St., New York, N.Y. 10032.

24 **Marler, Peter R.**, Rockefeller University, Center for Field Research, Tyrrel Rd., Millbrook, N.Y. 12545.

54 **Marschak, Jacob**, Western Management Science Institute, University of California, Los Angeles, Calif. 90024.

13 **Marshak, Robert Eugene**, City College of New York, Convent Ave. and 138th St., New York, N.Y. 10031.

14 **Marvel, C. S., A.B., PH.D.**, University of Arizona, Tucson, Ariz. 85721.

31 **Mathews, Max V.**, Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

13 **Matthias, Bernd T.**, University of California, San Diego, La Jolla, Calif. 92093.

12 **Mayall, Nicholas Ulrich**, 5945 Mina Vista, Tucson, Ariz. 85718.

14 **Mayer, Joseph E.**, Department of Chemistry, University of California, San Diego, La Jolla, Calif. 92037.

27 **Mayr, Ernst**, Museum of Comparative Zoology, Oxford St., Cambridge, Mass. 02138.

22 **Mazia, Daniel**, Department of Zoology, University of California, Berkeley, Calif. 94720.

43 **McCarty, Maclyn**, Rockefeller University, New York, N.Y. 10021.

26 **McClintock, Barbara**, Cold Spring Harbor Laboratory, Cold Spring Harbor, N.Y. 11724.

14 **McConnell, Harden M.**, Stanford University, Stanford, Calif. 94305.

43 **McDermott, Walsh**, Robert Wood Johnson Foundation, P.O.B. 2316, Princeton, N.J. 08540.

43 **McDevitt, Hugh O'Neill**, Stanford University School of Medicine, Stanford, Calif. 94305.

21 **McElroy, W. D.**, Office of the Chancellor, University of California, San Diego, La Jolla, Calif. 92093.

31 **McKay, Kenneth G.**, Bell Telephone Laboratories Inc., 600 Mountain Ave., Murray Hill, N.J. 07974.

54 **McKenzie, Lionel W.**, University of Rochester, Rochester, N.Y. 14627.

41 **McKusick, Victor A.**, Department of Medicine, Johns Hopkins Hospital, Baltimore, Md. 21205.

13 **McMillan, Edwin M.**, University of California, Berkeley, Calif. 94720.

11 **McShane, E. J.**, 209 Maury Ave., Charlottesville, Va. 22903.

51 **Mead, Margaret**, 15 West 77th St., New York, N.Y. 10024.

14 **Meinwald, Jerrold**, Dept. of Chemistry, Cornell University, Ithaca, N.Y. 14853.

21 **Meister, Alton**, Cornell University Medical College, 1300 York Avenue, New York, N.Y. 10021.

52 **Melton, Arthur W.**, 405 Harmon Drive, San Antonio, Tex. 78209.

15 **Menard, H. William**, U.S. Geological Survey, National Center-MS 101, 12201 Sunrise Valley Drive, Reston, Va. 22092.

21 **Merrifield, R. Bruce**, Rockefeller University, New York, N.Y. 10021.

53 **Merton, Robert K.**, Columbia University, New York, N.Y. 10027.

32 **Mertz, Edwin T.**, Department of Biochemistry, Purdue University, West Lafayette, Ind. 49707.

26 **Meselson, Matthew S.**, Harvard University, Cambridge, Mass. 02138.

32 **Metcalf, Robert L.**, Department of Entomology, University of Illinois, Urbana, Ill. 61801.

21 **Meyer, Karl**, Columbia University College of Physicians and Surgeons, 630 West 168th St., New York, N.Y. 10032.

27 **Michener, Charles D.**, University of Kansas, Lawrence, Kan. 66045

43 **Miller, C. Phillip**, 5757 Kimbark Avenue, Chicago, Ill. 60637.

41 **Miller, Elizabeth C.**, McArdle Laboratory for Cancer Research, University of Wisconsin, 450 North Randall Ave., Madison, Wis. 53706.

52 **Miller, George A.**, Rockefeller University, New York, N.Y. 10021.

41 **Miller, James A.**, McArdle Laboratory for Cancer Research, University of Wisconsin, 450 North Randall Ave., Madison, Wis. 53706.

52 **Miller, Neal Elgar**, Rockefeller University, New York, N.Y. 10021.

22 **Miller, Oscar L., Jr.**, Dept. of Biology, University of Virginia, Charlottesville, Va. 22903.

21 **Miller, Stanley L.**, Department of Chemistry, University of California, San Diego, La Jolla, Calif. 92093.

11 **Milnor, John W.**, The Institute for Advanced Study, Princeton, N.J. 08540.

33 **Mindlin, R. D.**, 89 Deer Hill Drive, Ridgefield, Conn., 06877.

33 **Minsky, Marvin L.**, The Artificial Intelligence Laboratory, Massachusetts Institute of Technology, 545 Technology Square, Cambridge, Mass. 02139.

26 Mintz, Beatrice, Institute for Cancer Research, 7701 Burholme Ave., Fox Chase, Philadelphia, Pa. 19111.
14 Mislow, Kurt M., Department of Chemistry, Princeton University, Princeton, N.J. 08540.
54 Modigliani, Franco, Sloan School of Management, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
11 Montgomery, Deane, School of Mathematics, The Institute for Advanced Study, Princeton, N.J. 08540.
33 Montroll, Elliott W., University of Rochester, Rochester, N.Y. 14627.
27 Moore, John A., Department of Biology, University of California, Riverside, Calif. 92521.
21 Moore, Stanford, Rockefeller University, New York, N.Y. 10021.
21 Morales, Manuel F., Cardiovascular Research Institute, University of California, San Francisco, Calif. 94143.
54 Morgan, James N., Survey Research Center, Institute for Social Research, University of Michigan, Ann Arbor, Mich. 48106.
12 Morgan, W. W., Yerkes Observatory, University of Chicago, Williams Bay, Wis. 53191.
11 Morrey, Charles B., Jr., 210 Yale Ave., Berkeley, Calif. 94708.
13 Morrison, Philip, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
13 Morse, Philip M., 126 Wildwood St., Winchester, Mass. 01890.
22 Moscona, Aron A., University of Chicago, 920 East 58th St., Chicago, Ill. 60637.
11 Moser, Jürgen K., Courant Institute of Mathematical Sciences, New York University, 251 Mercer St., New York, N.Y. 10012.
33 Mosteller, C. Frederick, Dept. of Mathematical Sciences, Science Center, Room 604, Harvard University, 1 Oxford St., Cambridge, Mass. 02138.
11 Mostow, G. D., Department of Mathematics, Box 2155, Yale Station, Yale University, New Haven, Conn. 06520.
41 Motulsky, Arno G., Division of Medical Genetics, University of Washington, Seattle, Wash. 98195.
24 Mountcastle, Vernon B., School of Medicine, Johns Hopkins University, 725 North Wolfe St., Baltimore, Md. 21205.
51 Movius, Hallam L., Peabody Museum, Harvard University, Cambridge, Mass. 02138.
14 Muetterties, Earl L., Department of Chemistry, University of California, Berkeley, Calif. 94720.
43 Müller-Eberhard, Hans J., Department of Molecular Immunology, Scripps Clinic and Research Foundation, 10666 North Torrey Pines Rd., La Jolla, Calif. 92037.
14 Mulliken, Robert S., B.S., PH.D., University of Chicago, Chicago, Ill. 60637.
11 Mumford, David B., Department of Mathematics, Harvard University, Cambridge, Mass. 02138.
12 Münch, Guido, Max-Planck-Institut für Astronomie, 69 Heidelberg 1, Königstuhl, Fed. Rep. of Germany.
16 Munk, Walter H., University of California, San Diego, La Jolla, Calif. 92093.
32 Munro, H. N., Department of Nutrition and Food Science, 56–225, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
51 Murdock, George Peter, Wynnewood Plaza, Apt. 107, Wynnewood, Pa. 19096.
25 Myers, Jack, Department of Zoology, University of Texas, Austin, Tex. 78712.
21 Nachmansohn, David, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
53 Nagel, Ernest, Philosophy Hall, Columbia University, New York, N.Y. 10027.
13 Nambu, Yoichiro, The Enrico Fermi Institute, University of Chicago, 5630 Ellis Ave., Chicago, Ill. 60637.
24 Nauta, Walle J. H., Department of Psychology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
26 Neel, James V., University of Michigan Medical School, Ann Arbor, Mich. 48109.
52 Neff, William Duwayne, Center for Neural Sciences, Indiana University, Bloomington, Ind. 47401.
32 Nelson, Oliver E., University of Wisconsin, Madison, Wis. 53706.
21 Neufeld, Elizabeth F., National Institutes of Health, Bldg. 10, 9-N238, Bethesda, Md. 20014.
12 Neugebauer, Gerry, George W. Downs Laboratory of Physics, California Institute of Technology, Pasadena, Calif. 91125.
12 Neugebauer, Otto E., Brown University, Box 1900, Providence, R.I. 02912.
21 Neurath, Hans, University of Washington, Seattle, Washington 98195.
53 Newcomb, Theodore M., 1045 Cedar Bend Drive, Ann Arbor, Mich. 48105.
52 Newell, Allen, Carnegie-Mellon University, Schenley Park, Pittsburgh, Pa. 15213.
14 Newman, Melvin S., Ohio State University, Columbus, Ohio 43210.
31 Newmark, N. M., University of Illinois, Urbana, Ill. 61801.
16 Ney, Edward P., School of Physics and Astronomy, University of Minnesota, Minneapolis, Minn. 55455.
11 Neyman, Jerzy, University of California, Berkeley, Calif. 94720.
13 Nier, Alfred Otto C., M.S., PH.D., University of Minnesota, Minneapolis, Minn. 55455.
16 Nierenberg, William A., Scripps Institution of Oceanography, University of California, San Diego, La Jolla, Calif. 92093.
11 Nirenberg, Louis, New York University, 251 Mercer Street, New York, N.Y. 10012.
21 Nirenberg, Marshall Warren, Laboratory of Biochemical Genetics, National Heart Institute, Bethesda, Md. 20014.
21 Nomura, Masayasu, Institute for Enzyme Research, University of Wisconsin, 1710 University Ave., Madison, Wis. 53706.
22 Novikoff, Alex B., Department of Pathology, Albert Einstein College of Medicine, 1300 Morris Park Ave., Bronx, N.Y. 10461.
41 Nowell, Peter C., School of Medicine, University of Pennsylvania, Philadelphia, Pa. 19104.
14 Noyes, Richard M., Dept. of Chemistry, University of Oregon, Eugene, Ore. 97403.
14 Noyes, W. Albert, Jr., S.B., PH.D., LL.D., D.SC., University of Texas, Austin, Tex. 78712.
13 O'Brien, Brian, Box 52, North Woodstock, Conn. 06257.
21 Ochoa, Severo, Roche Institute of Molecular Biology, Nutley, N.J. 07110.
32 Odum, Eugene P., Institute of Ecology, University of Georgia, Athens, Ga. 30602.
14 Olah, George A., Dept. of Chemistry, University of Southern California, Los Angeles, Calif. 90007.
43 Old, Lloyd J., Sloan-Kettering Institute for Cancer Research, 410 East 68th St., New York, N.Y. 10021.
31 Oliver, B. M., Hewlett-Packard Company, 1501 Page Mill Rd., Palo Alto, Calif. 94304.
31 Olson, Harry F., R.C.A. Laboratories, David Sarnoff Research Center, Princeton, N.J. 08540.
21 Oncley, J. L., A.B., PH.D., University of Michigan, Ann Arbor, Mich. 48105.
31 Orowan, Egon, 44 Paysan Terrace, Belmont, Mass. 02178.
21 Osborn, Mary J., University of Connecticut Health Center, Farmington, Conn. 06032.
53 Osgood, Charles E., Institute of Communications Research, University of Illinois, Urbana, Ill. 61801.
12 Osterbrock, Donald E., Lick Observatory, University of California, Santa Cruz, Calif. 95064.
12 Ostriker, Jeremiah P., Princeton University Observatory, Princeton, N.J. 08540.
13 Overhauser, Albert W., Department of Physics, Purdue University, West Lafayette, Ind. 47907.
26 Owen, Ray D., California Institute of Technology, Pasadena, Calif. 91125.
42 Page, Irvine H., Cleveland Clinic, 9500 Euclid Ave., Cleveland, Ohio 44106.
13 Pais, Abraham, Rockefeller University, New York, N.Y. 10021.
13 Pake, George E., Xerox Research Center, 3333 Coyote Hill Rd., Palo Alto, Calif. 94304.
22 Palade, George E., Yale University School of Medicine, 333 Cedar St., New Haven, Conn. 06510.
24 Palay, Sanford L., Harvard Medical School, 25 Shattuck St., Boston, Mass. 02115.
13 Panofsky, Wolfgang K. H., Stanford University, P.O.B. 4349, Stanford, Calif. 94305.
23 Pappenheimer, A. M., Jr., The Biological Laboratories, Harvard University, 16 Divinity Ave., Cambridge, Mass. 02138.
23 Pappenheimer, John R., Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
22 Pardee, Arthur B., Sidney Farber Cancer Center, 35 Binney St., Boston, Mass. 02115.
12 Parker, Eugene N., Laboratory for Astrophysics, 933 East 56th St., Chicago, Ill. 60637.
14 Parr, Robert G., Department of Chemistry, University of North Carolina, Chapel Hill, N.C. 27514.

31 Patel, C. Kumar N., Physical Research Laboratory, Bell Laboratories, Holmdel, N.J. 07974.

25 Patrick, Ruth, Academy of Natural Sciences, 19th and The Parkway, Philadelphia, Pa. 19103.

15 Patterson, Bryan, Museum of Comparative Zoology, Harvard University, Oxford St., Cambridge, Mass. 02138.

14 Pauling, Linus, sc.d., Big Sur, Calif. 93920.

31 Pearson, Gerald L., Stanford Electronics Laboratories, Stanford University, Stanford, Calif. 94305.

14 Pearson, Ralph G., Dept. of Chemistry, University of California, Santa Barbara, Calif. 93106.

16 Pekeris, Chaim L., The Weizmann Institute of Science, Rehovot, Israel.

12 Penzias, Arno A., Crawford Hill Laboratory, Bell Laboratories, Box 400, Holmdel, N.J. 07733.

14 Perlman, I., c/o Institute of Archaeology, The Hebrew University, Jerusalem, Israel.

22 Perry, Robert P., Institute for Cancer Research and the University of Pennsylvania, 7701 Burholme Ave., Philadelphia, Pa. 19111.

15 Pettijohn, F. J., Johns Hopkins University, Baltimore, Md. 21218.

14 Pettit, R., Department of Chemistry, University of Texas, Austin, Tex. 78712.

52 Pfaffmann, Carl, Rockefeller University, New York, N.Y. 10021.

31 Pfann, W. G., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

33 Phillips, James C., Bell Telephone Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

16 Phillips, Norman A., 4609 Keppler Place, Camp Springs, Md. 20031.

21 Phillips, William D., Dept. of Chemistry, Washington University, St. Louis, Mo. 63130.

31 Pickering, William H., California Institute of Technology, Pasadena, Calif. 91125.

31 Pierce, J. R., California Institute of Technology, Pasadena, Calif. 91125.

31 Pigford, Robert L., Dept. of Chemical Engineering, University of Delaware, Newark, Del. 19711.

14 Pimentel, George C., National Science Foundation, Washington, D.C. 20550.

13 Pines, David, Department of Physics, University of Illinois, Urbana, Ill. 61801.

31 Piore, E. R. 115 Central Park West, New York, N.Y. 10023.

24 Pittendrigh, Colin S., Hopkins Marine Station, Pacific Grove, Stanford University, Calif. 93950.

14 Pitzer, Kenneth Sanborn, b.s., ph.d., Department of Chemistry, University of California, Berkeley, Calif. 94720.

11 Polya, George, 2260 Dartmouth St., Palo Alto, Calif. 94306.

42 Popper, Hans, City University of New York, Fifth Ave. and 100th St., New York, N.Y. 10029.

22 Porter, Keith Roberts, Department of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder, Colo. 80302.

52 Postman, Leo J., Department of Psychology, University of California, Berkeley, Calif. 94720.

41 Potter, Van R., University of Wisconsin Medical Center, 450 North Randall Ave., Madison, Wis. 53706.

13 Pound, R. V., Harvard University, Cambridge, Mass. 02138.

33 Prager, William, Tgesa Tgampi 4/27, 7451 Savognin, Switzerland.

33 Prausnitz, John M., Department of Chemical Engineering, University of California, Berkeley, Calif. 94720.

26 Preer, John R., Jr., Dept. of Biology, Indiana University, Bloomington, Ind. 47401.

22 Prescott, David Marshall, Department of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder, Colo. 80309.

16 Press, Frank, Executive Office of the President, Room 360, Washington, D.C. 20500.

12 Preston, George W., California Institute of Technology, 813 Santa Barbara St., Pasadena, Calif. 91101.

16 Price, P. Buford, Jr., Department of Physics, University of California, Berkeley, Calif. 94720.

13 Primakoff, Henry, University of Pennsylvania, Philadelphia, Pa. 19104.

22 Prosser, C. Ladd, Department of Physiology, University of Illinois, Urbana, Ill. 61801.

22 Puck, Theodore T., Dept. of Biophysics, University of Colorado Medical Center, Denver, Colo. 80262.

31 Puckett, Allen E., Hughes Aircraft Co., Mail Station A/159, Centinela and Teale Sts., Culver City, Calif. 90230.

13 Purcell, E. M., b.s., a.m., ph.d., Harvard University, Cambridge, Mass. 02138.

43 Putnam, Frank W., Department of Zoology, Jordan Hall 206, Indiana University, Bloomington, Ind. 47401.

31 Quate, C. F., Ginzton Laboratories, Stanford University, Stanford, Calif. 94305.

11 Quillen, Daniel G., Room 2-237, M.I.T., Cambridge, Mass. 02139.

11 Quine, Willard V. O., Harvard University, Cambridge, Mass. 02138.

13 Rabi, I. I., 450 Riverside Drive, New York, N.Y. 10027.

21 Racker, Efraim, Cornell University, Ithaca, N.Y. 14853

54 Radner, Roy, Department of Economics, 250 Barrows Hall, University of California, Berkeley, Calif. 94720.

23 Rahn, Hermann, State University of New York Buffalo, N.Y. 14214.

13 Rainwater, L. James, Columbia University, New York, N.Y. 10027.

43 Rammelkamp, Charles H., Department of Medicine, Cleveland Metropolitan General Hospital, 3395 Scranton Rd., Cleveland, Ohio 44109.

31 Ramo, Simon, TRW Inc., One Space Park, Redondo Beach, Calif. 90278.

13 Ramsey, Norman F., Harvard University, Cambridge, Mass. 02138.

41 Ranney, Helen M., Department of Medicine, University Hospital, 225 West Dickinson St., San Diego, Calif. 92103.

25 Raper, Kenneth Bryan, University of Wisconsin, Madison, Wis. 53706.

52 Ratliff, Floyd, Rockefeller University, New York, N.Y. 10021.

21 Ratner, Sarah, Department of Biochemistry, Public Health Research Institute City of New York, Inc., 455 First Ave., New York, N.Y. 10016.

41 Ratnoff, Oscar D., University Hospitals of Cleveland, Cleveland, Ohio 44106.

25 Raven, Peter H., Missouri Botanical Garden, 2345 Tower Grove Ave., St. Louis. Mo. 63110.

21 Reed, Lester J., Department of Chemistry, Clayton Foundation Biochemical Institute, University of Texas, Austin, Tex. 78712.

16 Reichelderfer, Francis W., a.b., d.sc., 3031 Sedgwick St., N.W., Washington, D.C. 20008.

14 Reilley, Charles N., Venable and Kenan Laboratories, O45A, Chapel Hill, N.C. 27514.

33 Reiss, Howard, University of California, Los Angeles, Calif. 90024.

14 Rentzepis, Peter M., Physical and Inorganic Chemistry Research Dept., Bell Telephone Laboratories Inc., 600 Mountain Ave., Murray Hill, N.J. 07974.

16 Revelle, Roger, Dept. of Political Science, University of Calif., San Diego, La Jolla, Calif. 92093.

16 Reynolds, John H., University of California, Berkeley, Calif. 94720.

26 Rhoades, M. M., m.s., ph.d., Indiana University, Bloomington, Ind. 47401.

14 Rice, Stuart A., University of Chicago, 5640 Ellis Ave., Chicago, Ill. 60637.

21 Rich, Alexander, Department of Biology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

21 Richards, Frederic M., Department of Molecular Biophysics, Yale University, Box 1937, Yale Station, New Haven, Conn. 06520.

13 Richter, Burton, Stanford University, Stanford, Calif. 94305.

52 Richter, Curt Paul, Johns Hopkins Hospital, Baltimore, Md. 21205.

32 Rick, Charles M., Jr., Department of Vegetable Crops, University of California, Davis, Calif. 95616.

52 Riggs, Lorrin A., Brown University, Providence, R.I. 02912.

53 Riker, William H., Department of Political Science, University of Rochester, Rochester, N.Y. 14627.

27 Ripley, Sidney Dillon II, Smithsonian Institution, Washington, D.C. 20560.

22 Ris, Hans, Department of Zoology, University of Wisconsin, Madison, Wis. 53706.

43 Robbins, Frederick C., Case Western Reserve School of Medicine, 2119 Abington Rd., Cleveland, O. 44106.

11 Robbins, Herbert E., Department of Mathematical Statistics, Columbia University, New York, N.Y. 10027.

14 Roberts, John D., California Institute of Technology, Pasadena, Calif. 91125.

24 Roberts, Richard B., Carnegie Institution of Washington, 5241 Broad Branch Road, N.W., Washington, D.C. 20015.

11 Robinson, Julia, 243 Lake Drive, Berkeley, Calif. 94708.

15 Rodgers, John, Department of Geology and Geophysics, Yale University, New Haven, Conn. 06520.

25 Rollins, Reed C., Gray Herbarium, Harvard University, 22 Divinity Ave., Cambridge, Mass. 02138.

26 Roman, Herschel L., Department of Genetics, University of Washington, Seattle, Wash. 98195.

24 Rose, Jerzy E., Laboratory of Neurophysiology, 283 Medical Sciences Building, University of Wisconsin, Madison, Wis. 53706.

21 Roseman, Saul, Department of Biology and McCollum-Pratt Institute, Johns Hopkins University, Charles and 34th Sts., Baltimore, Md. 21218.

31 Rosenblith, Walter A., Room 3-240, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

33 Rosenbluth, Marshall N., Institute for Advanced Study, Princeton, N.J. 08540.

14 Ross, John, Room 6-123, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 Rossi, Bruno Benedetto, ph.d., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 Rossini, Frederick D., b.s., m.s., ph.d., Department of Chemistry, Rice University, Houston, Tex. 77001.

51 Rouse, Irving, Yale University, Box 2114, Yale Station, New Haven, Conn. 06520.

43 Rowe, Wallace P., National Institutes of Health, Building 7, Room 304, Bethesda, Md. 20014.

14 Rowland, Frank S., University of California, Irvine, Calif. 92717.

43 Rubin, A. Harry, W.M. Stanley Hall, University of California, Berkeley, Calif. 94720.

41 Ruddle, Francis, H, Department of Biology, Yale University, New Haven, Conn. 06520.

13 Ruderman, Malvin A., Pupin Physics Laboratories, Columbia University, New York, N.Y. 10027.

26 Russell, Elizabeth S., The Jackson Laboratory, Bar Harbor, Maine 04609.

26 Russell, William L., Biology Division, Oak Ridge National Laboratory, P.O.B. Y, Oak Ridge, Tenn. 37830.

43 Sabin, Albert B., Medical University of South Carolina, 171 Ashley Ave., Charleston, S.C. 29401.

13 Sachs, Robert G., 5490 South Shore Drive, Chicago, Ill. 60615.

26 Sager, Ruth, Sidney Farber Cancer Institute, 44 Binney St., Boston, Mass. 02115.

32 Salisbury, G. W., Office of the Director, University of Illinois College of Agriculture, Urbana, Ill. 61801.

12 Salpeter, E. E., Laboratory of Nuclear Studies, Cornell University, Ithaca, N.Y. 14853.

54 Samuelson, Paul A., Department of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

12 Sandage, Allan R., Hale Observatories, 813 Santa Barbara St., Pasadena, Calif. 91106.

14 Sarett, Lewis H., Merck and Co. Inc., P.O.B. 2000, Rahway, N.J. 07065.

54 Scarf, Herbert E., Department of Economics, Yale University, Box 2125, Yale Station, New Haven, Conn. 06520.

21 Schachman, Howard K., University of California, Berkeley, Calif. 94720.

31 Schairer, George S., The Boeing Company, P.O.B. 3999, Seattle, Wash. 98124.

42 Schally, Andrew V., 1601 Perdido St., New Orleans, La. 70146.

24 Scharrer, Berta V., Department of Anatomy, Albert Einstein College of Medicine, Bronx, N.Y. 10461.

13 Schawlow, Arthur L., Department of Physics, Stanford University, Stanford, Calif. 94305.

14 Scheraga, H. A., Cornell University, Ithaca, N.Y. 14853.

11 Schiffer, M. M., Department of Mathematics, Stanford University, Stanford, Calif. 94305.

21 Schimke, Robert T., Department of Biological Sciences, Stanford University, Stanford, Calif. 94305.

42 Schmid, Rudi, Department of Medicine, University of California, San Francisco, Calif. 94143.

21 Schmidt, Gerhard, Tufts University School of Medicine, 136 Harrison Ave., Boston, Mass. 02111.

23 Schmidt-Nielsen, Knut, Duke University, Durham, N.C. 27706.

24 Schmitt, Francis Otto, Neurosciences Research Program, Massachusetts Institute of Technology, 165 Allandale St., Jamaica Plain, Mass. 02130.

22 Schneiderman, Howard A., Center for Pathobiology, University of California, Irvine, Calif. 92717.

23 Scholander, Per F., Scripps Physiological Research Laboratory, University of California, San Diego, La Jolla, Calif. 92093.

13 Schrieffer, J. Robert, Department of Physics, University of Pennsylvania, Philadelphia, Pa. 19104.

32 Schultes, Richard E., Botanical Museum of Harvard University, Oxford St., Cambridge, Mass 02138.

54 Schultz, Theodore W., Department of Economics, University of Chicago, 1126 East 59th St., Chicago, Ill. 60637.

33 Schwartz, Jacob T., Department of Computer Science, Courant Institute of Mathematical Sciences, New York University, 251 Mercer St., New York, N.Y. 10012.

13 Schwartz, Melvin, Department of Physics, Stanford University, Stanford, Calif. 94305.

12 Schwarzschild, Martin, Princeton University Observatory, Peyton Hall, Princeton, N.J. 08540.

13 Schwinger, Julian, Department of Physics, University of California, 405 Hilgard Ave., Los Angeles, Calif. 90024.

32 Scrimshaw, Nevin S., Department of Nutrition and Food Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 Seaborg, Glenn Theodore, Lawrence Berkeley Laboratory, University of California, Berkeley, Calif. 94720.

32 Sears, Ernest Robert, U.S. Department of Agriculture, 108 Curtis Hall, University of Missouri, Columbia, Mo. 65201.

31 Sears, William R., Department of Aerospace and Mechanical Engineering, University of Arizona, Tucson, Ariz. 85721.

42 Seegmiller, J. Edwin, Department of Medicine, University of California, San Diego, School of Medicine, La Jolla, Calif. 92093.

11 Segal, Irving E., 2-244, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 Segrè, Emilio, University of California, Berkeley, Calif. 94720.

13 Seitz, Frederick, Rockefeller University, New York, N.Y. 10021.

13 Serber, Robert, Columbia University, New York, N.Y. 10027.

26 Setlow, Richard B., Brookhaven National Laboratory, Upton, N.Y. 11973.

53 Sewell, William H., Department of Sociology, University of Wisconsin, Madison, Wis. 53706.

12 Shane, C. D., P.O. Box 582, Santa Cruz, Calif. 95061.

11 Shannon, Claude E., 5 Cambridge St., Winchester, Mass. 01890.

42 Shannon, James A., 5101 River Rd., Chery Chase, Md. 20016.

31 Shapiro, Ascher H., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

51 Shapiro, H. L., a.m., ph.d., American Museum of Natural History, Central Park West at 79th St., New York, N.Y. 10024.

12 Shapiro, Irwin I., Department of Earth and Planetary Sciences and Department of Physics, 54-620, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

15 Sharp, Robert P., Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, Calif. 91125.

14 Sheehan, John C., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

21 Shemin, David, Department of Biochemistry and Molecular Biology, Northwestern University, Evanston, Ill. 60201.

52 Shepard, Roger N., Stanford University, Stanford, Calif. 94305.

14 Shirley, David A., University of California, Berkeley, Calif. 94720.

31 Shockley, William, b.sc., ph.d., Stanford Electronics Laboratories, Stanford University, Stanford, Calif. 94305.

33 Shull, Clifford G., Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 Shull, Harrison, Indiana University, Bloomington, Ind. 47401.

21 Shulman, Robert G., Biophysics Department, Bell Laboratories, Murray Hill, N.J. 07974.

22 Siekevitz, Philip, Rockefeller University, 1230 York Ave., New York, N.Y., 10021.

15 Silver, Leon Theodore, California Institute of Technology, Pasadena, Calif. 91125.

14 Simmons, H. E., Jr., Experimental Station, E.I. du Pont de Nemours and Co. Inc., Wilmington, Delaware 19898.

53 Simon, Herbert A., Department of Psychology, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

15 Simpson, G. G., ph.d., 5151 East Holmes St., Tucson, Ariz. 85711.

13 Simpson, John A., The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.

11 Singer, Isadore M., University of California, Berkeley, Calif. 94720.

21 Singer, S. J., Department of Biology, University of California, San Diego, La Jolla, Calif. 92037.

21 Sinsheimer, Robert Louis, Division of Biology, California Institute of Technology, Pasadena, Calif. 91125.

14 Skell, Philip S., Davey Laboratory, University Park, Pa. 16802.

52 Skinner, Burrhus Frederic, m.a., ph.d., Harvard University, Cambridge, Mass. 02138.

25 Skoog, Folke K., University of Wisconsin, Madison, Wis. 53706.

33 Slepian, David, Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

13 Slichter, Charles P., Department of Physics, University of Illinois, Urbana, Ill. 61801.

16 Slichter, Louis B., a.m., ph.d., University of California, Los Angeles, Calif. 90024.

11 Smale, Stephen, Department of Mathematics, University of California, Berkeley, Calif. 94720.

25 Smith, Albert C., Dept. of Botany, 3190 Maile Way, University of Hawaii, Honolulu, Hawaii 96822.

33 Smith, Cyril Stanley, 31 Madison St., Cambridge, Mass. 02138.

21 Smith, Emil L., University of California Medical Center, Los Angeles, Calif. 90024.

11 Smith, Paul A., b.s., ph.d., Columbia University, New York, N.Y. 10027.

26 Smithies, Oliver, Laboratory of Genetics, University of Wisconsin, Madison, Wis. 53706.

14 Smyth, Charles P., Frick Chemical Laboratory, Princeton University, Princeton, N.J. 08540.

21 Snell, Esmond E., University of Texas, Austin, Texas 78712.

43 Snell, George D., 21 Atlantic Ave., Bar Harbor, Me. 04609.

31 Soderberg, C. Richard, 100 Memorial Drive, Apt. 11-6b, Cambridge, Mass. 02142.

52 Solomon, Richard L., 3815 Walnut St., Philadelphia, Pa. 19104.

54 Solow, Robert M., E52-383, Department of Economics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

26 Sonneborn, Tracy M., a.b., ph.d., Indiana University, Bloomington, Ind. 47401.

13 Sorokin, Peter P., IBM Corpn., P.O.B., 218, Yorktown Heights, N.Y. 10598.

14 Spedding, F. H., Iowa State University, Ames, Iowa 50010.

11 Spencer, D. C., Department of Mathematics, Princeton University, Princeton, N.J. 08540.

52 Sperry, Roger W., Division of Biology, California Institute of Technology, Pasadena, Calif. 91125.

51 Spicer, Edward H., Department of Anthropology, College of Liberal Arts, University of Arizona, Tucson, Ariz. 85721.

41 Spiegelman, Sol, 100 Haven Ave., Apt. 12a, New York, N.Y. 10032.

12 Spitzer, Lyman, Jr., Princeton University Observatory, Peyton Hall, Princeton, N.J. 08540.

51 Spoehr, Alexander, Department of Anthropology, University of Pittsburgh, Pittsburgh, Pa. 15213.

32 Sprague, G. F., Department of Agronomy, University of Illinois, Urbana, Ill. 61801.

25 Srb, Adrian M., Cornell University, Ithaca, N.Y. 14853.

21 Stadtman, E. R., National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, Md. 20014.

26 Stahl, Franklin W., Institute of Molecular Biology, University of Oregon, Eugene, Ore. 97403.

32 Stakman, E. C., m.a., ph.d., Institute of Molecular Biology, University of Minnesota, St. Paul, Minn. 55108.

25 Starr, Richard C., Department of Botany, University of Texas, Austin, Tex. 78712.

27 Stebbins, G. Ledyard, Department of Botany, Ohio State University, 1735 Neil Ave., Columbus, Ohio 43210.

11 Stein, Charles M., 821 Santa Fe Ave., Stanford, Calif. 94305.

11 Stein, Elias M., Department of Mathematics, Princeton University, Princeton, N.J. 08540.

21 Stein, William H., Rockefeller University, New York, N.Y. 10021.

13 Steinberger, J., CERN, Geneva 23, Switzerland.

21 Steiner, Donald F., Department of Biochemistry, University of Chicago, 920 East 58th St., Chicago, Ill. 60637.

52 Stellar, Eliot, 102 College Hall, University of Pennsylvania, Philadelphia, Pa. 19174.

32 Stephens, Stanley G., 3219 Darien Drive, Raleigh, N.C. 27607.

26 Stern, Curt, University of California, Berkeley, Calif. 94720.

42 Stetten, DeWitt, Jr., National Institutes of Health, Bldg. 1, Bethesda, Md. 20014.

31 Stever, H. Guyford, 1528 33rd St., N.W., Washington, D.C. 20007.

51 Stewart, Thomas D., Smithsonian Institution, Washington, D.C. 20560.

54 Stigler, George J., Walgreen Foundation, University of Chicago, 5836 Greenwood Ave., Chicago, Ill. 60637.

14 Stockmayer, W. H., Dartmouth College, Hanover, N.H. 03755.

22 Stoeckenius, Walther, Cardiovascular Research Institute, Room 1315-M, University of California, San Francisco, Calif. 94112.

33 Stoker, J. J., Courant Institute of Mathematical Sciences, New York University, 251 Mercer Street, New York, N.Y. 10012.

16 Stommel, Henry M., Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543.

11 Stone, Marshall H., Department of Mathematics, University of Massachusetts, Amherst, Mass. 01002.

14 Stork, Gilbert, Department of Chemistry, Columbia University, New York, N.Y. 10027.

31 Stratton, Julius Adams, s.m., sc.d., Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, Mass. 02139.

22 Straus, William L., Jr., 7111 Park Heights Ave., Apt. 506, Baltimore, Md. 21215.

13 Street, Jabez C., b.s., ph.d., Harvard University, Cambridge, Mass. 02138.

26 Streisinger, George, Institute of Molecular Biology, University of Oregon, Eugene, Or. 97403.

14 Streitwieser, Andrew, University of California, Berkeley, Calif. 94720.

21 Strominger, Jack Leonard, Biological Laboratories, Harvard University, Cambridge, Mass. 02138.

25 Stumpf, P. K., Dept. of Biochemistry and Biophysics, University of California, Davis, Calif. 95616.

21 Sturtevant, Julian M., Department of Chemistry, Kline Chemistry Laboratory, Yale University, New Haven, Conn. 06520.

16 Suess, Hans E., Department of Chemistry, University of California, San Diego, La Jolla, Calif. 92093.

13 Suhl, Harry, Department of Physics, B-019, Revelle College, University of California, San Diego, La Jolla, Calif. 92093.

31 Suits, C. G., a.b., d.sc., Crosswinds, Pilot Knob, N.Y. 12844.

52 Suppes, Patrick, Institute for Mathematical Studies in Social Sciences, Stanford University, Ventura Hall, Stanford, Calif. 94305.

31 Sutherland, Ivan E., 256-80, California Institute of Technology, Pasadena, Calif. 91125.

11 Swan, Richard G., Department of Mathematics, University of Chicago, 5734 University Ave., Chicago, Ill. 60637.

22 Swift, Hewson H., Department of Biology, University of Chicago, Chicago, Ill. 60637.

16 Sykes, Lynn R., Lamont-Doherty Geological Observatory, Columbia University, Palisades, N.Y. 10964.

21 Szent-Györgyi, Albert, P.O.B. 187, Woods Hole, Mass. 02543.

21 Tabor, Herbert, National Institute of Arthritis, Metabolism, and Digestive Diseases, National Institutes of Health, Bethesda, Md. 20014.

43 Talmage, David W., University of Colorado Medical Center, Denver, Colo. 80220.

43 Tamm, Igor, Rockefeller University, 1230 York Ave., New York, N.Y. 10021.

21 Tanford, Charles, Department of Biochemistry, Duke University Medical Center, Durham, N.C. 27710.

14 Tarbell, D. S., Department of Chemistry, Vanderbilt University, Nashville, Tenn. 37235.

11 Tarski, Alfred, 462 Michigan Ave., Berkeley, Calif. 94707.

11 Tate, John T., Harvard University, Cambridge, Mass. 02138.

14 Taube, Henry, Dept. of Chemistry, Stanford University, Stanford, Calif. 94305.

42 Taussig, Helen B., Apt. 158, Crosslands, Kennett Square, Pa. 19348.

26 Taylor, James H., Institute of Molecular Biophysics, Florida State University, Tallahassee, Fla. 32306.

52 Teitelbaum, Philip, Department of Psychology, University of Illinois, Champaign, Ill. 61820.

13 Telegdi, Valentine L., University of Chicago, 5630 Ellis Ave., Chicago, Ill. 60637.

13 Teller, Edward, Lawrence Livermore Laboratory, P.O.B. 808, Livermore, Calif. 94550.

26 Temin, Howard M., University of Wisconsin Medical Center, Madison, Wis. 53706.
24 Temkin, Owsei, 1900 East Monument St., Baltimore, Md. 21205.
31 Terman, F. E., A.B., E.E., SC.D., Stanford University, Stanford, Calif. 94305.
25 Thimann, Kenneth Vivian, University of California, Santa Cruz, Calif. 95064.
31 Thomas, Charles Allen, 7701 Forsyth Boulevard, St. Louis, Mo. 63105.
43 Thomas, Lewis, Office of the President, Memorial Sloan-Kettering Cancer Center, 1275 York Ave., New York, N.Y. 10021.
33 Thomas, Llewellyn Hilleth, 3012 Wycliff Rd., Raleigh, N.C. 27607.
11 Thomas, T. Y., 249 North Glenroy Ave., Los Angeles, Calif. 90049.
15 Thompson, James B., Jr., Dept. of Geological Sciences, Harvard University, Cambridge, Mass. 02138.
11 Thompson, John G., Department of Pure Mathematics, University of Cambridge, 16 Mill Lane, Cambridge CB2 1SB, England.
52 Thompson, Richard F., University of California, Irvine, Calif. 92717.
12 Thorne, Kip S., 130-33, California Institute of Technology, Pasadena, Calif. 91125.
31 Tien, Ping King, Dept. of Electron Physics, Bell Telephone Laboratories Inc., Crawfords Corner Rd., Holmdel, N.J. 07733.
15 Tilton, George R., Dept. of Geological Sciences, University of California, Santa Barbara, Calif. 93106.
13 Ting, Samuel C. C., Massachusetts Institute of Technology, Bldg. 44, Cambridge, Mass. 02139.
13 Tinkham, Michael, Department of Physics, Harvard University, Cambridge, Mass. 02138.
14 Tishler, Max, Department of Chemistry, Wesleyan University, Middletown, Conn. 06457.
54 Tobin, James, Department of Economics, Yale University, Box 2125, Yale Station, New Haven, Conn. 06520.
12 Tousey, Richard, United States Naval Research Laboratory (Code 7140), Washington, D.C. 20375.
13 Townes, Charles H., Department of Physics, University of California, Berkeley, Calif. 94720.
22 Trager, William, Rockefeller University, New York, N.Y. 10021.
13 Treiman, Sam B., Joseph Henry Laboratories, Jadwin Hall, P.O.B. 708, Princeton University, Princeton, N.J. 08540.
33 Tukey, John W., Bell Laboratories 2C-580, 600 Mountain Ave., Murray Hill, N.J. 07974.
14 Turkevich, Anthony L., The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.
33 Turnbull, David, Harvard University, Cambridge, Mass. 02138.
15 Turner, Francis J., University of California, Berkeley, Calif. 94720.
15 Tuttle, O. Frank, 4850 Lazy C Drive, Tucson, Ariz. 85705.
21 Udenfriend, Sidney, Roche Institute of Molecular Biology, Nutley, N.J. 07110.
13 Uhlenbeck, George E., Rockefeller University, New York. N.Y. 10021.
11 Ulam, S. M., University of Florida, Gainesville, Fla. 32609.
21 Umbarger, H. Edwin, Department of Biological Sciences, Purdue University, West Lafayette, Ind. 47907.
52 Underwood, Benton J., Department of Psychology, Northwestern University, Evanston, Ill. 60201.
14 Urey, Harold C., PH.D., D.SC., University of California, San Diego, La Jolla, Calif. 92093.
21 Utter, Merton F., Department of Biochemistry, Case Western Reserve University School of Medicine, 2119 Abington Rd., Cleveland, Ohio 44106.
21 Vagelos, P. Roy, Merck, Sharp & Dohme Research Laboratories, Rahway, N.J. 07065.
41 Valentine, William N., University of California, Los Angeles, Calif. 90024.
21 Vallee, Bert L., Department of Biochemistry, Harvard Medical School, 721 Huntington Ave., Boston, Mass. 02115.
16 Van Allen, James A., Dept. of Physics and Astronomy, State University of Iowa, Iowa City, Ia. 52242.
25 Van Niel, C. B., D.SC., P.O.B. 1833, Carmel, Calif. 93921.
14 van Tamelen, Eugene E., Stanford University, Stanford, Calif. 94305.
13 Van Vleck, J. H., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.
16 Verhoogen, John, University of California, Berkeley, Calif. 94720.
21 Vickery, H. B., Connecticut Agricultural Experiment Station, New Haven, Conn. 06504.
16 Villard, Oswald Garrison, Jr., Radioscience Laboratory, Stanford University, Stanford. Calif. 94305.
23 Visscher, Maurice B., 1 Orlin Ave., S.E., Minneapolis, Minn. 55414.
21 von Hippel, Peter H., Institute of Molecular Biology, University of Oregon, Eugene, Ore. 97403.
32 Wadleigh, Cecil H., 5621 Whitefield Chapel Rd., Lanham, Md. 20801.
32 Waggoner, Paul E., Connecticut Agricultural Experiment Station, P.O.B. 1106, 123 Huntington St., New Haven, Conn. 06504.
21 Wald, George, M.A., PH.D., Harvard University, 16 Divinity Ave., Cambridge, Mass. 02138.
32 Walker, J. C., M.S., PH.D., 14016 Newcastle Drive, Sun City, Ariz. 85351.
16 Walker, Robert M., Department of Physics, Box 1105, Washington University, St. Louis, Mo. 63130.
14 Wall, Frederick T., Dept. of Chemistry, Rice University, Houston, Texas 77001.
51 Wallace, Anthony F. C., Department of Anthropology, University of Pennsylvania, University Museum, Philadelphia, Pa. 19174.
14 Walling, Cheves T., Department of Chemistry, University of Utah, Salt Lake City, Utah 84112.
42 Wangensteen, Owen H., University of Minnesota Health Sciences Center, P.O.B. 610, Minneapolis, Minn. 55455.
14 Warner, J. C., 4742 Center Ave., Apt. 301, Pittsburgh, Pa. 15213.
41 Warren, Shields, New England Deaconess Hospital, 194 Pilgrim Rd., Boston, Mass. 02215.
51 Washburn, Sherwood L., University of California, Berkeley, Calif. 94720.
16 Wasserburg, Gerald J., Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, Calif. 91125.
15 Waters, Aaron C., 308 Moore St., Santa Cruz, Calif. 95060.
42 Watson, Cecil James, University of Minnesota Medical Unit, Northwestern Hospital, Minneapolis, Minn. 55407.
21 Watson, James D., Cold Spring Harbor Laboratory, Cold Spring Harbor, Long Island, N.Y. 11724.
13 Watson, Kenneth M., Department of Physics, University of California, Berkeley, Calif. 94720.
14 Waugh, J. S., Department of Chemistry, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
33 Weaver, Warren, Second Hill, New Milford, Conn. 06776.
31 Weber, Ernst, P.O.B. 1619, Tryon, N.C. 28782.
21 Weber, Gregorio, Department of Biochemistry, Roger Adams Laboratory, University of Illinois, Urbana, Ill. 61801.
51 Wedel, Waldo R., Department of Anthropology, Smithsonian Institution, Washington, D.C. 20560.
33 Weinberg, Alvin M., Office of the Director, Institute for Energy Analysis, P.O.B. 117, Oak Ridge, Tenn. 37830.
13 Weinberg, Steven, Department of Physics, Harvard University, Cambridge, Mass. 02138.
22 Weiss, Paul Alfred, Rockefeller University, New York, N.Y. 10021.
13 Weisskopf, Victor F., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 Weissman, S. I., Louderman Hall, Washington University, St. Louis, Mo. 63130.
43 Weller, Thomas H., Harvard School of Public Health, 665 Huntington Ave., Boston, Mass. 02115.
15 Wells, John W., Cornell University, Ithaca, N.Y. 14853.
25 Went, Frits W., Desert Research Institute, University of Nevada, Reno, Nev. 89507.
13 Wentzel, Gregor, 77 Via Collina, Ascona (Ticino), Switzerland.
14 Westheimer, Frank H., Harvard University, 12 Oxford St., Cambridge, Mass. 02138.
16 Wetherill, George W., Carnegie Institution of Washington, 5241 Broad Branch Rd., N.W., Washington, D.C. 20015.
27 Wetmore, Alexander, M.S., PH.D., Smithsonian Institution, Washington, D.C. 20560.
52 Wever, Ernest G., Princeton University, Princeton, N.J. 08540.
13 Wheatley, John C., Department of Physics, Revelle College, University of California, San Diego, La Jolla, Calif. 92093.
13 Wheeler, John A., Department of Physics, University of Texas, Austin, Tex. 78712.

31 WHINNERY, JOHN R., Department of Electrical Engineering and Computer Sciences, University of California, Berkeley, Calif. 94720.

12 WHIPPLE, FRED L., Astrophysical Observatory, Smithsonian Institution, Cambridge, Mass. 02138.

21 WHITE, ABRAHAM, 580 Arastradero Rd., Apt. 507, Palo Alto, Calif. 94306.

15 WHITE, DONALD E., U.S. Geological Survey, 345 Middlefield Rd., Menlo Park, Calif. 94025.

53 WHITE, GILBERT F., Institute of Behavioral Science, University of Colorado, Boulder, Colo. 80309.

53 WHITE, HARRISON C., Department of Sociology, William James Hall, Harvard University, Cambridge, Mass. 02138.

11 WHITEHEAD, GEORGE W., Room 2-284, Department of Mathematics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

14 WHITESIDES, GEORGE M., Room 18-298, M.I.T., Cambridge, Mass. 02139.

12 WHITFORD, ALBERT E., Lick Observatory, University of California, Santa Cruz, Calif. 95064.

11 WHITNEY, HASSLER, MUS.B., PH.D., The Institute for Advanced Study, Princeton, N.J. 08540.

27 WHITTAKER, ROBERT H., Section of Ecology and Systematics, Building 6, Langmuir Laboratory, Cornell University, Ithaca, N.Y. 14853.

14 WIBERG, KENNETH, Dept. of Chemistry, Yale University, New Haven, Conn. 06520.

13 WICK, GIAN-CARLO, Scuola Normale Superiore, Piazza Del Cavalleri, 56100 Pisa, Italy.

14 WIDOM, BENJAMIN, Department of Chemistry, Cornell University, Ithaca, N.Y. 14853.

31 WIESNER, JEROME B., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 WIGHTMAN, ARTHUR S., Joseph Henry Laboratories, Princeton University, Princeton, N.J. 08540.

13 WIGNER, EUGENE P., DR.ENG., Princeton University, Princeton, N.J. 08540.

11 WILDER, R. L., 2427 Calle Montilla, Santa Barbara, Calif. 93109.

51 WILLEY, GORDON R., Peabody Museum, Harvard University, Cambridge, Mass. 02138.

22 WILLIAMS, CARROLL M., The Biological Laboratories, Harvard University, 16 Divinity Ave., Cambridge, Mass. 02138.

14 WILLIAMS, JOHN W., University of Wisconsin, Madison, Wis. 53706.

21 WILLIAMS, ROBLEY C., Department of Molecular Biology, University of California, Berkeley, Calif. 94720.

21 WILLIAMS, ROGER J., Clayton Foundation Biochemical Institute, University of Texas, Austin, Tex. 78712.

14 WILSON, E. BRIGHT, Jr., B.S., A.M., PH.D., Harvard University, 12 Oxford St., Cambridge, Mass. 02138.

27 WILSON, EDWARD O., Museum of Comparative Zoology Laboratories, Harvard University, Cambridge, Mass. 02138.

13 WILSON, KENNETH G., Laboratory of Nuclear Studies, Cornell University, Ithaca, N.Y. 14853.

12 WILSON, OLIN C., Hale Observatories, 813 Santa Barbara St., Pasadena, Calif. 91101.

25 WILSON, PERRY W., Department of Bacteriology, University of Wisconsin, Madison, Wis. 53706.

13 WILSON, ROBERT R., Fermi National Accelerator Laboratory, P.O.B. 500, Batavia, Ill. 60510.

33 WINOGRAD, SHMUEL, T. J. Watson Research Center, P.O.B. 218, Yorktown Heights, N.Y. 10598.

41 WINTROBE, M. M., College of Medicine, University of Utah, 50 North Medical Drive, Salt Lake City, Utah 84132.

26 WITKIN, EVELYN M., 88 Balcourt Drive, Princeton, N.J. 08540.

14 WITKOP, BERNHARD, National Institute of Arthritis, Metabolism and Digestive Diseases, National Institutes of Health, Bethesda, Md. 20014.

32 WOGAN, GERALD N., Massachusetts Institute of Technology, Cambridge, Mass. 02139.

13 WOLFENSTEIN, LINCOLN, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

11 WOLFOWITZ, J., Department of Mathematics, University of South Florida, Tampa, Fla. 33620.

31 WOLMAN, ABEL, Johns Hopkins University, Baltimore, Md. 21218.

53 WOLPERT, JULIAN, School of Architecture and Urban Planning and Woodrow Wilson School, Princeton University, Princeton, N.J. 08540.

21 WOOD, HARLAND G., Department of Biochemistry, Case Western Reserve University, Cleveland, Ohio 44106.

26 WOOD, WILLIAM B. III, Dept. of Molecular, Cellular and Developmental Biology, University of Colorado, Boulder, Colo. 80309.

14 WOODWARD, ROBERT BURNS, Harvard University, Cambridge, Mass. 02138.

31 WOOLDRIDGE, DEAN E., 4545 Via Esperanza, Santa Barbara, Calif. 93110.

24 WOOLSEY, CLINTON N., Department of Neurophysiology, 627 Waisman Center, University of Wisconsin, Madison, Wis. 53706.

15 WRIGHT, H. E., Jr., University of Minnesota, 310 Pillsbury Drive, Minneapolis, Minn. 55455.

26 WRIGHT, SEWALL G., 3905 Council Crest, Madison, Wis. 53711.

13 WU, CHIEN-SHIUNG, Department of Physics, Columbia University, New York, N.Y. 10027.

16 WULF, OLIVER REYNOLDS, California Institute of Technology, Pasadena, Calif. 91125.

16 WUNSCH, CARL, Dept. of Earth and Planetary Sciences, Room 54-914, M.I.T., Cambridge, Mass. 02139.

21 WYMAN, JEFFRIES, Istituto Regina Elena, Viale Regina Elena 291, Rome 00161, Italy.

42 WYNGAARDEN, JAMES B., Department of Medicine, Duke University Medical Center, Durham, N.C. 27710.

42 YALOW, ROSALYN S., Veterans Administration Hospital, 130 W. Kingsbridge Rd., Bronx, N.Y. 10468.

13 YANG, CHEN NING, Dept. of Physics, State University of New York, Stony Brook, N.Y. 11794.

26 YANOFSKY, CHARLES, Stanford University, Stanford, Calif. 94305.

15 YODER, HATTEN S., Jr., Carnegie Institution of Washington, 2801 Upton St., N.W., Washington, D.C. 20008.

14 YOUNG, WILLIAM G., 5036 Avda. del Sol, Laguna Hills, Calif. 92653.

13 ZACHARIAS, JERROLD R., 32 Clifton St., Belmont, Mass. 02178.

13 ZACHARIASEN, F. WILLIAM H., 100 Mateo Circle, Santa Fe, New Mexico 87501.

21 ZAMECNIK, PAUL C., Massachusetts General Hospital, Boston, Mass. 02114.

14 ZARE, RICHARD N., Dept. of Chemistry, Stanford University, Stanford, Calif. 94305.

15 ZEN, E-AN, U.S. Geological Survey, National Center, Mail Stop 959, Reston, Va. 22092.

33 ZENER, CLARENCE, Carnegie-Mellon University, Schenley Park, Pittsburgh, Pa. 15213.

14 ZIMM, BRUNO HASBROUCK, Dept. of Chemistry, University of California, San Diego, La Jolla, Calif. 92093.

26 ZINDER, NORTON D., Rockefeller University, New York, N.Y. 10021.

31 ZINN, WALTER H., 1155 Ford Lane, Dunedin, Fla. 33528.

22 ZIRKLE, RAYMOND E., 4675 West Red Rock Drive, Perry Park SWDC, Larkspur, Colo. 80118.

33 ZWANZIG, ROBERT W., Institute for Physical Science and Technology, University of Maryland, College Park, Md. 20742.

31 ZWORYKIN, VLADIMIR K., R.C.A. Laboratories, Princeton, N.J. 08540.

11 ZYGMUND, ANTONI, Dept. of Mathematics, University of Chicago, Chicago, Ill. 60637.

MEMBERS EMERITI:

ANDERSON, CHARLES A., 209 Northrop Place, Santa Cruz, Calif. 95060.

BILLINGS, MARLAND P., Harvard University, Cambridge, Mass. 02138.

BIRGE, RAYMOND T., 1639 La Vereda, Berkeley, Calif. 94709.

BLEAKNEY, WALKER, 4681 La Espada Drive, Santa Barbara, Calif. 93111.

BLOMQUIST, ALFRED T., Department of Chemistry, Cornell University, Ithaca, N.Y. 14853.

BRADLEY, W. H., Pigeon Hill Rd., Milbridge, Me. 04658.

BUDDINGTON, ARTHUR F., 65 Pond St., Cohasset, Mass. 02025.

BURNS, ROBERT K., 303 North Second St., Bridgewater, Va. 22812.

CASTLE, W. B., 22 Irving St., Brookline, Mass. 02146.

CHIPMAN, JOHN, 19 Lorena Rd., Winchester, Mass. 01890.

COGGESHALL, LOWELL T., Route 2, Foley, Ala. 36535.

CORNER, GEORGE W., American Philosophical Society, 104 South Fifth St., Philadelphia, Pa. 19106.

DALLDORF, GILBERT, Oxford, Md. 21654.

DUBOS, RENÉ, Rockefeller University, New York, N.Y. 10021.

DUNBAR, CARL O., 1615 Santa Barbara Drive, Dunedin, Fla. 33528.

DU VIGNEAUD, VINCENT, 200 White Park Rd., Ithaca, N.Y. 14580.

Elderfield, Robert C., 1800 Hermitage Rd., Ann Arbor, Mich. 48104.
Elsasser, Walter M., Dept. of Earth and Planetary Sciences, Johns Hopkins University, Baltimore, Md. 21218.
Emerson, Sterling, 1207 Morada Place, Altadena, Calif. 91001.
Esau, Katherine, University of California, Santa Barbara, Calif. 93106.
Friedmann, Herbert, 350 South Fuller Ave., Apt. 12H, Los Angeles, Calif. 90036.
Gilluly, James, 4700 Tabor St., Apt. 8B, Wheat Ridge, Colo. 80033.
Greenewalt, Crawford H., E.I. du Pont de Nemours & Co. Inc., Wilmington, Dela. 19898.
Hammett, Louis P., 288 Medford Leas, Medford, N.J. 08055.
Hastings, A. Baird, 2130 Vallecitos, Apt. 147, La Jolla, Calif. 92037.
Johnson, John R., Deer Valley Farm, Townshend, Vt. 05353.
Kemble, Edwin C., 8 Ash St. Place, Cambridge, Mass. 02138.
King, Charles G., 192 Kendel at Longwood, Kennett Square, Pa. 19348.
Landis, Eugene M., 1547 Silver Creek Drive, Hellertown, Pa. 18055.
Link, Karl P., University of Wisconsin, Madison, Wis. 53706.
Lloyd, David P., New Cottage, Greatham, Pulborough, RH20 2ES, Sussex, England.
Long, Esmond R., 220 Locust St., Apt. 23-B, Philadelphia, Pa. 19106.
Longsworth, Lewis G., 144-60 29th Ave., Flushing, N.Y. 11354.
Lush, Jay L., Dept. of Animal Science, 239 Kildee Hall, Iowa State University, Ames, Iowa 50011.
Magoun, Horace W., 427 25th St., Santa Monica, Calif. 90402.
Nolan, Thomas B., 2219 California St., N.W., Washington, D.C. 20008.
Northrop, John H., P.O.B. 1387, Wickenburg, Ariz. 85358.
Raymond, Arthur E., 73 Oakmont Drive, Los Angeles, Calif. 90049.
Redfield, Alfred C., P.O.B. 106, Woods Hole, Mass. 02543.
Riker, A. J., 2760 East Eighth St., Tuscon, Ariz. 85716.
Robbins, William J., Rockefeller University, New York, N.Y. 10021.
Roeder, Kenneth D., 454 Monument St., Concord, Mass. 01742.
Rose, William C., 405 West University Ave., Champaign, Ill. 61820.
Schmidt, C. F., Reynolds Farm, 13300 Indian Rocks Rd., Largo, Fla. 33540.
Tuve, Merle A., 135 Hesketh St., Chevy Chase, Md. 20015.
Wetmore, Ralph H., 12 Francis Ave., Cambridge, Mass. 02138.
Williams, Howel, University of California, Berkeley, Calif. 94720.
Woodring, Wendell P., National Museum of Natural History, Washington, D.C. 20560.
Wyckoff, Ralph W., 4715 E. Fort Lowell Rd., Tucson, Ariz. 85712.
Zariski, Oscar, Dept. of Mathematics, Harvard University, Science Center, 1 Oxford St., Cambridge, Mass. 02138.

Foreign Associates:

13 Abragam, Anatole, Centre d'Etudes Nucléaires de Saclay, B.P. 2, 91190 Gif-sur-Yvette, France.
33 Aigrain, Pierre R., 8 Square Henry Paté, Paris 75016, France.
11 Alexandroff, Paul S., Mathematical Institute of the Academy of Sciences of the U.S.S.R., Bolshaya Kalushskaya 19, Moscow, U.S.S.R.
16 Alfvén, Hannes, Division of Plasma Physics, Royal Institute of Technology, Stockholm 70, Sweden.
13 Amaldi, Edoardo, University of Rome, Piazzale delle Scienze 5, Rome, Italy.
12 Ambartsumian, V., Burakan Astronomical Observatory, Erevan, Armenia, U.S.S.R.
43 Andrewes, Sir Christopher Howard, Overchalke, Coombe Bissett, Salisbury, Wilts., England.
11 Atiyah, Michael F., Mathematical Institute, University of Oxford, 24-29 St. Giles, Oxford, OX1 3LB, England.
26 Auerbach, Charlotte, Institute of Animal Genetics, West Mains Rd., Edinburgh, EH9 3JN, Scotland.
14 Barton, Sir Derek, Institut de Chimie des Substances Naturelles, 91190 Gif-sur-Yvette, France.
22 Beerman, Wolfgang, Max-Planck-Institut für Biologie, Spemannstr. 34, Tübingen, Fed. Rep. of Germany.
14 Bell, Ronald Percy, 28 Ayresome Terrace, Leeds LS8 1BN, England.
21 Bergström, Sune, Karolinska Institutet, S10401, Stockholm, Sweden.
23 Best, Charles Herbert, C. H. Best Institute, 112 College St., Toronto, Ont. M5G 1L6, Canada.
13 Biermann, Ludwig, Max-Planck-Institute for Physics and Astrophysics, Munich, Federal Republic of Germany.
13 Bogolubov, Nikolai N., Joint Institute for Nuclear Research, Dubna Main Post Office, P.O.B. 79, Moscow, U.S.S.R.
13 Bohr, Aage Niels, Department of Physics, Niels Bohr Institute, Blegdamsvej 17, Copenhagen, Denmark.
22 Brachet, Jean, Laboratoire de Morphologie Animale, 67 rue des Chevaux, Rhode-St.-Genèse, Belgium.
21 Braunstein, Aleksandr E., Novoslobodskaya ul., 57/65, KV. 24, Moscow, U.S.S.R
26 Brenner, Sydney, University Postgraduate School, Hills Rd., Cambridge, CB2 2QH, England.
32 Bressani, Ricardo, Institute of Nutrition of Central America and Panama, Carretera Roosevelt, Zona 11, Guatemala City, Guatemala.
52 Broadbent, Donald E., University of Oxford, Dept. of Applied Psychology, South Parks Rd., Oxford, OX1 3UD, England.
13 de Broglie, Prince Louis, 94 rue Perronet, Neuilly-sur-Seine, France.
31 Brun, Edmond A., University of Paris, 8-10 place du Commerce, Paris XV, France.
16 Bullard, Sir Edward, University of California, A-025, La Jolla, Calif. 92093.
25 Bünning, Erwin, Institut für Biologie, 74 Tübingen, Auf der Morgenstelle, Federal Republic of Germany.
43 Burnet, Sir Macfarlane, c/o Dept. of Microbiology, University of Melbourne, Parkville, 3052, Victoria, Australia.
11 Cartan, Henri Paul, 95 blvd. Jourdan, 75014-Paris, France.
33 Casimir, H. B. G., De Zegge 7, Heeze, Netherlands.
26 Catcheside, D. G., Waite Agricultural Research Institute, Glen Osmond, South Australia 5064.
26 Cavalli-Sforza, L. L., Stanford University School of Medicine, Stanford, Calif. 94305.
51 Clark, J. G. D., The Master's Lodge, Peterhouse, Cambridge, CB2 1QY, England.
15 Coombs, Douglas S., Dept. of Geology, University of Otago, Box 56, Dunedin, New Zealand.
14 Cornforth, John W., School of Molecular Sciences, University of Sussex, Falmer, Brighton, BN1 9QJ, England.
31 Cottrell, Sir Alan Howard, The Master's Lodge, Jesus College, Cambridge, England.
31 Cousteau, Jacques Y., c/o Cousteau Society, 777 Third Ave., New York, N.Y. 10017.
21 Crick, Sir Francis, Salk Institute for Biological Studies, San Diego, Calif. 92112.
53 Dahrendorf, Ralf, London School of Economics and Political Science, University of London, London, WC2A 2AE, England.
11 Dirac, Paul Adrien Maurice, Florida State University, Tallahassee, Fla. 32306.
26 Dubinin, N. P., Institute of General Genetics, Academy of Sciences of the U.S.S.R. Moscow B-133, Moscow, U.S.S.R.
41 de Duve, Christian, International Institute of Cellular and Molecular Pathology, Av. Hippocrate 75, B1200 Brussels, Belgium.
25 Duysens, Louis N. M., Dept. of Biophysics, State University of Leiden, Wassenaarseweg 78, Leiden, Netherlands.
23 Eccles, Sir John, Cá a la Grá, Contra, CH-6611, Switzerland.
14 Eigen, Manfred, Max-Planck-Institut für Physikalische Chemie, Bunsenstrasse 10, 3400 Göttingen, Germany.
21 Engelhardt, W. A., Institute of Molecular Biology, Academy of Sciences of the U.S.S.R., Vavilov Str. 32, Moscow B-312, U.S.S.R.
26 Ephrussi, Boris, Laboratoire de Génétique Physiologique, 91 Gif-sur-Yvette, France.
31 Esaki, Leo, IBM Corpn., Yorktown Heights, N.Y. 10598.
14 Eschenmoser, Albert J., Eidgenössische Technische Hochschule Zürich, Laboratorium für Organische Chemie, Universitätsstrasse 6/8, CH-8006, Zurich, Switzerland.
23 von Euler, U. S., Karolinska Institutet, S-10401 Stockholm 60, Sweden.
43 Fenner, Frank, Centre for Resource and Environmental Studies, Australian National University, Canberra, A.C.T. 2600, Australia.
25 Frey-Wyssling, A. F., Institut für Allgemeine Botanik, E.T.H., Universitäststrasse 2, Zurich, Switzerland.
31 Gabor, Dennis, CBS Laboratories, High Ridge Rd., Stamford, Conn. 06905, U.S.A.

15 Gansser, Augusto, Geologisches Institut, Eidgenössische Technische Hochschule, Sonneggstrasse 5, Zurich, Switzerland.
43 Gear, James H. S., Institute for Virology, S.A. Institute for Medical Research, P.O.B. 1038, Johannesburg 2000, South Africa.
16 Geiss, Johannes, Institute of Physics, University of Berne, Sidlerstr. 5, 3012 Berne, Switzerland.
11 Gelfand, Israel M., Laboratory of Mathematical Methods in Biology, Moscow State University, Moscow, 117234, U.S.S.R.
53 Glass, David V., The London School of Economics and Political Science, Houghton St., London WC2A 2AE, England.
32 Glen, Robert, 4523 Juniper Place, Victoria, B.C., V8N 3K1, Canada.
15 Goguel, Jean, Ecole Nationale Supérieure des Mines, 100 rue du Bac, Paris VIIe, France.
13 Gorter, C. J., Kamerlingh Onnes Laboratory, State University of Leyden, Nieuwsteeg 18, Leyden, Netherlands.
23 Granit, Ragnar, The Nobel Institute for Neurophysiology, Karolinska Institutet, Stockholm 60, Sweden.
25 Gustafsson, C. Åke T., Institute of Genetics, Lund University. Sölvegaten 29, S-223, 62 Lund, Sweden.
26 Harris, Harry, Department of Human Genetics, University of Pennsylvania, Philadelphia, Pa. 19104.
15 Harrison, J. M., 4 Kippewa Drive, Ottawa K1S 3G4, Canada.
31 Hawthorne, W. R., University Engineering Laboratory, Cambridge University, Trumpington St., Cambridge, England.
21 Hayaishi, Osamu, Department of Medical Chemistry, Kyoto University Faculty of Medicine, Sakyo-ku, Kyoto 606, Japan.
13 Herzberg, Gerhard, National Research Council, Ottawa 7, Ont., K1A OR6, Canada.
25 Hill, R., Department of Biochemistry, Cambridge University, Cambridge CB2 1QW, U.K.
27 Hinde, Robert A., M.R.C. Unit on Development and Integration of Behaviour, University of Cambridge, Madingley, Cambridge, CB3 8AA, England.
23 Hodgkin, Sir Alan L., The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG, England.
14 Hodgkin, Dorothy C., Molecular Biophysics Laboratory, Dept. of Zoology, South Parks Rd., Oxford, England.
11 Hörmander, Lars, Department of Mathematics, University of Lund, Sweden.
12 Hoyle, Sir Fred, Cockley Moor, Dockray, Penrith, Cumberland, CA11 0LG, England.
21 Huxley, Hugh E., M.R.C. Laboratory of Molecular Biology, Cambridge, CB2 2QH, England.
12 van de Hulst, Hendrik, Sterrewacht, Leiden, Huygens Laboratorium, Wassenaarseweg 78, Leiden 2405, Netherlands.
31 Inose, Hiroshi, Dept. of Electronic Engineering, University of Tokyo, Bunkyo-Ku. Tokyo, Japan.
22 Jacob, François, Institut Pasteur, 25 rue du Docteur Roux, Paris XVe, France.
16 Jeffreys, Sir Harold, St. John's College, Cambridge, England.
43 Jerne, Niels K., Basle Institute for Immunology, 487 Grenzacherstr., CH-4058 Basle, Switzerland.
33 Jost, Res, Institute for Theoretical Physics, E.T.H., Zurich, Switzerland.
13 Kapitza, Peter L., S.I. Vavilov Institute of Physical Problems, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
13 Katz, Sir Bernard, Department of Biophysics, University College, London, England.
21 Katzir, Ephraim, Residence of the President of Israel, Jerusalem, Israel.
16 Keilis-Borok, Vladimir I, Institute of Physics of the Earth, Academy of Sciences, Moscow, U.S.S.R.
21 Kendrew, John Cowdrey, Medical Research Council, Laboratory of Molecular Biology, Hills Rd., Cambridge CB2 2QH, England.
26 Kihara, Hitoshi, Kihara Institute for Biological Research, Mutsakawa 3-122-21, Yokohama, Japan.
26 Kimura, Motoo, National Institute of Genetics, Mishima, 411 Japan.
41 Klein, George, Institutet för Tumörbiologi, Karolinska Institutet, 104 01 Stockholm 60, Sweden.
11 Kodaira, Kunihiko, Department of Mathematics, Gakushuin University, 1-5-1 Mejiro, Toshima, Tokyo, Japan.
51 von Koenigswald, G. H. Ralph, Forschungsinstitut Senckenberg, Senckenberganlage 25, 6 Frankfurt a.M., Federal Republic of Germany.
11 Kolmogorov, Andrej N., Moscow State University, Moscow, U.S.S.R.
21 Krebs, Sir Hans A., Nuffield Department of Clinical Medicine, Radcliffe Infirmary, Oxford, England.
13 Kubo, Ryogo, Department of Physics, University of Tokyo, Hongo Bunkyo-Ku, Tokyo, Japan.
16 Lal, Devendra, Physical Research Laboratory, Navrangpura, Ahmedabad 380009, India.
51 Larsen, Helge E., Ethnographical Dept., Danish National Museum, 10 Ny Vestergade, DK1471 Copenhagen K, Denmark.
21 Leloir, Luis F., Instituto de Investigaciones Bioquimicas, Obligado 2490, Buenos Aires, Argentina.
11 Leray, Jean. Collège de France, 11 Place Marcelin-Berthelot, Paris Ve, France.
51 Lévi-Strauss, Claude, Laboratoire d'Anthropologie Sociale, Collège de France, 11 place Marcelin-Berthelot, Paris Ve, France.
33 Lighthill, Sir M. James, Department of Applied Mathematics, University of Cambridge, Cambridge, England.
24 Lindauer, Martin, Department of Zoology and Comparative Physiology, Bayerische-Julius-Maximilians Universität, Würzburg, Federal Republic of Germany.
14 Longuet-Higgins, Hugh C., Centre for Research on Perception and Cognition, Laboratory of Experimental Psychology, University of Sussex, Falmer, Brighton BN1 9QY, England.
24 Lorenz, Konrad, Max-Planck-Institut für Vergl. Verhaltensforschung, Abt. 4, Tiersoziologie A-3422, Altenberg, Austria.
42 Luft, Rolf, Dept. of Endocrinology and Metabolism, Karolinska Institutet, 104 01, Stockholm 60, Sweden.
22 Lwoff, André, Institut Pasteur, 25 rue du Docteur Roux, 75274 Paris Cedex 15, France.
21 Lynen, Feodor, Max-Planck-Institut für Biochemie, 8033 Martinsried b. Munich, Federal Republic of Germany.
54 Malinvaud, Edmond, Institut National de la Statistique et des Etudes Economiques, 18 blvd. Pinard, 75675 Paris 14, France
42 McMichael, Sir John, 2 North Sq., London, NW11 7AA, England.
22 Medawar, Sir Peter B., Clinical Research Centre, Watford Rd., Harrow, Middlesex, HA1 3UJ. England.
52 Milner, Brenda, Department of Neurology, Montreal Neurological Institute, Quebec, Canada.
21 Mitchell, Peter, Glynn Research Ltd., Glynn House, Bodmin, Cornwall, PL30 4AU, England.
14 Mizushima, S., 2-10-6, Tamagawa Denenchofu, Setagayaku, Tokyo, Japan.
16 Monin, Andrei S., Institute of Oceanology, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
13 Mössbauer, Rudolf L., Dept. of Physics, Technical University, D-8046 Garching, Munich, Fed. Rep. of Germany.
13 Mott, Sir Neville, University of Cambridge, Cavendish Laboratory, Madingley Rd., Cambridge CB3 0HE, England.
13 Mottelson. Ben R., Nordisk Institut for Teoretisk Atomfysik, Copenhagen Ø, Denmark.
16 Nagata, Takesi, National Institute of Polar Research, Itabashi, Tokyo 173, Japan.
21 Needham, Joseph, 42 Grange Rd., Cambridge, England.
13 Ne'eman, Yuval, Tel-Aviv University, Tel-Aviv, Israel.
16 Nicolet, Marcel, Brussels University, 30 Ave. Den Doorn, 1180 Brussels, Belgium.
30 Occhialini, Giuseppe, Institute of Physical Science, University of Milan, Via Celoria 16, Milan, Italy.
12 Oort, Jan, Observatory of Leiden, Leiden, The Netherlands.
12 Öpik, Ernst J., Armagh Observatory, Armagh, BT61 9DG, N. Ireland.
43 Oudin, Jacques, Institut Pasteur, 28 rue du Docteur Roux, Paris 15e, France.
13 Peierls, Sir Rudolf, Department of Theoretical Physics, University of Oxford, Oxford, OX1 3PQ, England.
33 Penney, Lord, Wantage, Oxon., England.
21 Perutz, Max F., University Postgraduate Medical School, Cambridge, CB2 2QH, England.
52 Piaget, J., Institut des Sciences de l'Education, Rue Général-Dufour 24, 1211 Geneva 4, Switzerland.
41 Pickering, Sir George, Cairns Library, Radcliffe Infirmary, Oxford, OX2 6HE, U.K.
14 Polanyi, John C., University of Toronto, 80 St. George's St., 262 Lash Miller, Toronto, M5S 1A1, Canada.
14 Pople, John A., Dept. of Chemistry, Carnegie-Mellon University, Pittsburgh, Pa. 15213.

14 Porter, Sir George, The Royal Institution, 21 Albemarle St., London, W1X 4BS, England.

43 Porter, Rodney Robert, Department of Biochemistry, University of Oxford, South Parks Rd., Oxford OX1 3QU, England.

14 Prelog, V., Laboratorium für organische Chemie, Eidgenössische Technische Hochschule, Zürich, Switzerland.

14 Prigogine, I., University of Brussels, Serv. de Chimie Physique II, Blvd. du Triomphe, 1050 Brussels, Belgium.

32 Ramalingaswami, Vulimiri, All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110016, India.

14 Reichstein-Dolmatoff, Gerardo, Universidad de los Andes, Bogotà, Colombia.

14 Reichstein, Tadeus, Organisch-chemische Anstalt, St. Johanns-Ring 19, Basle, Switzerland.

27 Rensch, Bernhard, Zoologisches Institut der Westfälischen Wilhelms-Universität, 44 Münster (Westf.), Federal Republic of Germany.

15 Ringwood, A. E., Australian National University, Research School of Earth Sciences, Institute of Advanced Studies, P.O.B. 4, Canberra 2600, Australia.

25 Robertson, Sir Rutherford N., Australian National University, Box 4, P.O. Canberra, A.C.T., Australia 2600.

31 Rocha, Manuel C. M., Av. Estados Unidos da America 95-3° Dt°., Lisbon 5, Portugal.

53 Rokkan, Stein, Dept. of Political Sociology, University of Bergen, Bergen, Norway.

31 Rosenblueth, Emilio, Instituto de Ingenieria, Ciudad Universitaria, Mexico, D.F., Mexico.

31 Roy, Maurice, 86 Avenue Niel, Paris XVII, France.

12 Ryle, Sir Martin, Cavendish Laboratory, Madingley Rd., Cambridge CB3 0HE, U.K.

13 Sakharov, Andrei, P. N. Lebedev Institute of Physics, Academy of Sciences of the U.S.S.R., 14 Leninsky Prospekt, Moscow, U.S.S.R.

15 Sander, Bruno, Mineralogisches Institut, Alte Universität, Universitätsstrasse 4, 6020 Innsbruck, Austria.

21 Sanger, Frederick, University Postgraduate Medical School, Cambridge, CB2 2QH, England.

21 Sela, Michael, Office of the President, Weizmann Institute of Science, Rehovot, Israel.

14 Semenov, Nikolai N., Institute of Chemical Physics, Vorobyevskoye chaussee 2, Moscow, V-133, U.S.S.R.

11 Shafarevich, Igor R., Mathematical Institute of the U.S.S.R. Academy of Sciences, Ul. Vavilova 42, Moscow 117333, U.S.S.R.

12 Shklovsky, I. S., Astrophysical Department, Institute of Space Research, Academy of Sciences of the U.S.S.R., 14 Leninsky Prospekt, Moscow, U.S.S.R.

11 Siegel, Carl L., University of Göttingen, 43 Göttingen, Federal Republic of Germany.

25 Slatyer, Ralph O., Department of Environmental Biology, Australian National University, Canberra, Australia.

52 Sokolov, Eugene N., Faculty of Psychology, Moscow State University, Moscow, U.S.S.R.

14 Šorm, František, Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science, Prague 6, Czechoslovakia.

12 Strömgren, Bengt, Cph Observatory, Østervoldgade 3, DK-1350 Copenhagen K, Denmark.

32 Swaminathan, M. S., Indian Council of Agricultural Research, Krishi Bhavan, Dr. Rajendra Prasad Rd., New Delhi, 110001, India.

12 Swings, P., Institut d'Astrophysique, Université de Liège, Cointe-Ougree, Belgium.

22 Szentágothai, János, 1st Department of Anatomy, Semmelweis University Medical School, Tüzoltó utca 58, Budapest IX, Hungary.

25 Takhtajan, Armen L., Komarov Botanical Institute, 2 Prof. Popov St., Leningrad 197022, U.S.S.R.

25 Tamiya, H., Shinjuku-ku, Shimo-ochiai, Tokyo, 3-9-10, Japan (161).

21 Theorell, Hugo, Nobel Institute of Medicine, Stockholm 60, Sweden.

53 Tinbergen, J., Erasmus University, Rotterdam 3016, The Netherlands.

24 Tinbergen, N., Department of Zoology, Animal Behaviour Research Group, South Parks Rd., Oxford, OX1 3PS, England.

14 Todd, Lord, University Chemical Laboratory, University of Cambridge, Lensfield Rd., Cambridge, England.

13 Tomonaga, Sin-Itiro, 3-17-12 Kyonan-cho, Musashino-city, Tokyo 180, Japan.

15 Trümpy, Daniel R., Geologisches Institut, Eidgenössische Technische Hochschule, CH-8092 Zurich, Switzerland.

16 Uyeda, Seida, Earthquake Research Institute, University of Tokyo, Tokyo, Japan.

31 Wagner, Carl, Max-Planck-Institut für Physikalische Chemie, Bunsenstrasse 10, 34 Göttingen, Federal Republic of Germany.

41 Waldenström, Jan G., Dept. of Medicine, General Hospital, Malmö, Sweden.

11 Weil, André, Institute for Advanced Study, Princeton, N.J. 08540.

22 Wiggelsworth, Sir Vincent B., Department of Zoology, University of Cambridge, Downing St., Cambridge CB2 3EJ, England.

14 Wilkinson, Geoffrey, Department of Chemistry, Imperial College of Science and Technology, London SW7 2AY, England.

15 Wilson, J. Tuzo, Office of the Director-General, Ontario Science Centre, 770 Don Mills Rd., Don Mills, Ont. M3C 1T3, Canada.

13 Yukawa, Hideki, University of Kyoto, Kyoto, Japan.

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Abramson, H. Norman, Engineering Sciences Division, Southwest Research Institute, P.O. Drawer 28510, San Antonio, Tex. 78284 (1976).

Ackermann, William C., P.O.B. 232, Urbana, Ill. 61801 (1967).

Acrivos, Andreas, Dept. of Chemical Engineering, Stanford University, Stanford, Calif. 94305 (1977).

Adcock, Willis A., Texas Instruments Inc., P.O.B. 5012, Dallas, Tex. 75222 (1974).

Adler, Dr. Robert, Zenith Center, 1000 Milwaukee Ave., Glenview, Ill. 60025 (1967).

Agnew, Harold M., Los Alamos Scientific Laboratory of the University of California, P.O.B. 1663, Los Alamos, N.M. 87545 (1976).

Agnew, William G., General Motors Research Laboratories, 12 Mile and Mound Rds., Warren, Mich. 48090 (1974).

Albaugh, Frederic W., 2534 Harris Ave., Richland, Wash. 99352 (1978).

Alexander, William D., Metropolitan Atlanta Rapid Transit Authority, 401 W. Peachtree St., N.E., Atlanta, Ga. 30308 (1978).

Alfrey, Turner, Jr., Dow Chemical Co., 1702 Bldg., Midland, Mich. 48640 (1977).

Allen, Clarence R., Seismological Laboratory 252-21, California Institute of Technology, Pasadena, Calif. 91125 (1976).

Allen, Lew, Jr., The Pentagon, Room 4E-929, Washington, D.C. 20330 (1978).

Alvarez, Dr. Luis W., University of California, Berkeley, Calif. 94720 (1969).

Amdahl, Dr. Gene Myron, Amdahl Corpn., 1160 Kern Ave., Sunnyvale, Calif. 94086 (1967).

Amundson, Neal Russell, Dept. of Chemical Engineering, University of Houston, Houston, Tex. 77004 (1970).

Ancker-Johnson, Dr. Betsy, Argonne National Laboratory, 9700 Cass Ave., Argonne, Ill. 60439 (1975).

Anderson, Arthur G., IBM Corpn., Monterey and Cottle Rds., San Jose, Calif. 95193.

Anderson, Arthur R., ABAM Engineers Inc., 1127 Port of Tacoma Rd., Tacoma, Wash. 98421 (1977).

Ang, Alfredo H.-S., University of Illinois at Urbana-Champaign, 3129E Civil Engineering Building, Urbana, Ill. 61801 (1976).

Apstein, Maurice, School of Engineering and Applied Science, George Washington University, Washington, D.C. 20052 (1977).

Arbiter, Nathaniel, X9 Ranch, Vail, Ariz. 85641 (1977).

Aris, Dr. Rutherford, Department of Chemical Engineering and Materials Science, University of Minnesota, Minneapolis, Minn. 55455.

Armstrong, Neil A., University of Cincinnati, 798 Rhodes Hall, Cincinnati, Ohio 45221 (1978).

Arnold, Philip Mills, P.O.B. 1457, Bartlesville, Okla. 74003 (1970).

Arnold, William Howard, Jr., Westinghouse Electric Corpn., Box 355, Pittsburgh, Pa. 15230 (1974).

Ashley, Dr. Holt, Stanford University, Stanford, Calif. 94305 (1970).

Atkin, Rupert L., TRW Automotive World-wide, 34201 Van Dyke, Warren, Mich. 48092.

Atwood, J. Leland, P.O.B. 90343, Airport Station, Los Angeles, Calif. 90009 (1974).

Auerbach, Isaac L., 121 North Broad St., Philadelphia, Pa. 19107 (1974).

Austin, Dr. James B., 114 Buckingham Rd., Pittsburgh, Pa. 15215 (1967).

Avery, Robert, Argonne National Laboratory, 9700 South Cass Ave., Argonne, Ill. 60439 (1978).

Avila, Charles F., 272 Atlantic Ave., Swampscott, Mass. 01907 (1968).

Babb, Albert Leslie, Dept. of Nuclear Engineering, University of Washington, Seattle, Washington 98195 (1972).

Bachman, Walter C., Wayside, Short Hills, New Jersey 07078 (1967).

Backus, John W., IBM Research Laboratory, 91 St. Germain Ave., San Francisco, Calif. 94114 (1977).

Bacon, Vinton B., University of Wisconsin, Milwaukee, Wis. 53201 (1969).

Bailey, Stuart L., Atlantic Research Corpn., 5390 Cherokee Ave., Alexandria, Va. 22314 (1973).

Bainer, Roy, University of California, Davis, Calif. 95616 (1965).

Baird, Jack A., American Telephone and Telegraph Co., 195 Broadway, New York, N.Y. 10007 (1971).

Baker, Robert A., Sr., 285 Clinton Place, Hackensack, N.J. 07601 (1967).

Baker, Dr. W. O., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J., 07974.

Ballhaus, Dr. William F., Beckman Instruments Inc., 2500 Harbor Blvd., Fullerton, Calif. 92634 (1973).

Bandel, Hannskarl, Severud-Perrone-Sturm-Bandel, 415 Lexington Ave., New York, N.Y. 10017 (1978).

Banks, Harvey O., Camp Dresser & McKee Inc., 710 South Broadway, Walnut Creek, Belmont, Calif. 94596 (1973).

Bardeen, John, Dept. of Physics, University of Illinois, Urbana, Ill. 61801 (1972).

Barlow, Edward J., Jr., 611 Hansen Way, Palo Alto, Calif. 94303 (1968).

Barnes, Howard C., Chas. T. Main Inc., Southeast Tower, Prudential Center, Boston, Mass. 02199 (1974).

Baron, Melvin L., Weidlinger Associates, 110 East 59th St., New York, N.Y. 10022 (1978).

Baron, Thomas, Shell Development Co., One Shell Plaza, P.O.B. 2463, Houston, Tex. 77001 (1977).

Barr, Harry F., 25620 Meadowdale Lane, Franklin, Mich. 48025 (1965).

Barrow, Thomas D., Exxon Corpn., 1251 Ave. of the Americas, New York, N.Y. 10020 (1974).

Baruch, Jordan J., U.S. Dept. of Commerce, Washington, D.C. 20230 (1974).

Battin, Richard H., Charles Stark Draper Laboratory Inc., Cambridge, Mass. 02142 (1974).

Bauer, Benjamin B., CBS Laboratories, Stamford, Conn. 06905 (1974).

Bauer, Robert F., 811 West 7th St., Los Angeles, Calif. 90017 (1969).

Baxter, Samuel S., 7048 Castor Ave., Philadelphia, Pa. 19149 (1970).

Beard, Leo R., Center for Research in Water Resources. University of Texas at Austin, 10100 Burnet Rd., Austin, Tex. 78758 (1975).

Beaton, Roy H., General Electric Co., 175 Curtner Ave., San Jose, Calif. 95125 (1977).

Beattie, Horace S., IBM Corpn., Deepwood Drive, Lexington, Ky. 40505 (1976).

Bechtel, Stephen D., Jr., Bechtel Group of Companies, 50 Beale St., San Francisco, Calif. 94105 (1975).

Beckman, Dr. Arnold O., P.O.B. C-19600, Irvine, Calif. 92713 (1967).

Beedle, Lynn Simpson, Fritz Engineering Laboratory, Lehigh University, Bethlehem, Pa. 18015 (1972).

Bell, C. Gordon, Digital Equipment Corpn., 146 Main St., Maynard, Mass. 01754 (1977).

Bell, Milo C., University of Washington, Seattle, Wash. 98195 (1968).

Bellman, Richard E., University of Southern California, University Park, Los Angeles, Calif. 90007 (1977).

Bellport, Bernard Philip, 855 Terra California Drive 4, Walnut Creek, Calif. 94595 (1970).

Benedict, Dr. Manson, Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1967).

Beranek, Dr. Leo L., Boston Broadcasters Inc., Needham, Mass. 02192 (1966).

Berg, Daniel, Westinghouse Electric Corpn., Gateway Center, Room 144, Pittsburgh, Pa. 15222 (1976).

Bergen, William B., P.O.B. 747, St. Michaels, Md. 21663 (1974).

Berlekamp, Elwyn R., University of California, Berkeley, Calif. 94720 (1977).

Berry, Dr. Donald S., Northwestern University, Evanston, Ill. 60201 (1966).

Binger, Wilson V., Tippetts-Abbett-McCarthy-Stratton, 345 Park Ave., New York, N.Y. 10022.

Biot, Dr. Maurice A., Avenue Paul Hymans 117, 1200 Brussels, Belgium (1967).

Bird, R. Byron, The University of Wisconsin, Madison, Wis. 53706 (1969).

Bisplinghoff, Dr. Raymond L., Tyco Laboratories Inc., Tyco Park, Exeter, N.H. 03833.

Bitzer, Donald L., University of Illinois, Urbana, Ill. 61801 (1974).

Blasingame, Benjamin P., Delco Electronics Division, General Motors Corporation, 6767 Hollister Ave., Goleta, Calif. 93017 (1971).

Bleich, Hans H., 12 West 72nd St., New York, N.Y. 10023 (1978).

Blickwede, Donald J., Bethlehem Steel Corpn., Bethlehem Pa. 18016 (1976).

Blume, Dr. John A., 130 Jessie St., San Francisco, Calif. 94105 (1969).

Bobeck, Andrew H., Bell Laboratories, Room 2D 352, 600 Mountain Ave., Murray Hill, N.J. 07974.

‡Bode, Dr. Hendrik W., Harvard University, Cambridge, Mass. 02138 (1964).

Bogdanoff, Dr. John L., Purdue University, 120 A & ES Building, West Lafayette, Ind. 47907.

Bogdonoff, Seymour M., Dept. of Aerospace and Mechanical Sciences, Princeton University, Princeton, N.J. 08540 (1977).

Boley, Dr. Bruno A., Technological Institute, Northwestern University, Evanston, Ill. 60201.

Bolt, Bruce A., University of California, Berkeley, Calif. 94720 (1978).

Bolt, Richard H., 50 Moulton St., Cambridge, Mass. 02138 (1978).

Boulger, Francis W., Battelle Columbus Laboratories, 505 King Ave., Columbus, Ohio 43201 (1978).

Boundy, Dr. Ray H., 906 West Sugnet Road, Midland, Mich. 48640 (1967).

Bovay, Harry E., Jr., Bovay Engineers Inc., 5009 Caroline St., Houston, Tex. 77004 (1978).

Bowhill, Sidney A., University of Illinois, Urbana, Ill. 61801 (1971).

Bowman, Robert, Route 6, Box 326, Rogers, Ark. 72756 (1970).

Boyd, Dr. James, Materials Assocs., 700 New Hampshire Ave., N.W., Washington, D.C. 20037 (1967).

Boyer, Raymond F., Midland Macromolecular Institute, 1910 West St. Andrews Drive, Midlands, Mich. 48640 (1978).

Boyle, Willard S., Bell Laboratories, 555 Union Blvd., Allentown, Pa. 18103 (1974).

Branscomb, Lewis M., IBM Corpn., Old Orchard Rd., Armonk, 10504 (1974).

Breen, John E., The University of Texas at Austin, ECJ Hall 4.200, Austin, Tex. 78712 (1976).

Brian, Dr. P. L. Thibaut, Corporate Engineering Air Products and Chemicals Inc., P.O.B. 538, Allentown, Pa. 18105.

Bridges, William B., California Institute of Technology, Room 116-81, Pasadena, Calif. 91125 (1977).

Brinckerhoff, Charles M., 784 Park Avenue, New York, N.Y. 10021 (1976).

Bromberg, Dr. Robert, TRW Systems Group One Space, Park, Redondo Beach, Calif. 90278 (1969).

Brooks, Frederick P., Jr., Department of Computer Science, University of North Carolina, Chapel Hill, N.C. 27514 (1976).

Brooks, Dr. Harvey, Harvard University, Cambridge, Mass. 02138 (1968).

Brooks, Dr. Norman H., California Institute of Technology, Pasadena, Calif. 91125 (1973).

Broughton, Donald B., Engineering Research and Development Division, UOP Process Division, 20 UOP Plaza, Des Plaines, Ill. 60016 (1976).

Brown, Dr. Alfred E., Celanese Research Co., P.O.B. 1000, Summit, N.J. 07901.

Brown, Burton P., 50 Brown St., Baldwinsville, N.Y. 13027 (1973).

Brown, David, Two Park Ave., New York, N.Y. 10016 (1978).

Brown, Dr. George H., 117 Hunt Drive, Princeton, N.J. 08540 (1965).

Brown, Dr. Gordon S., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1965).

Brown, Dr. Harold, The Pentagon, Room 3E-880, Washington, D.C. 20301 (1967).

Brown, Dr. J. H. U., Southwest Research Consortium, 8848 West Commerce St., P.O.B. 28147, San Antonio, Tex. 78284.

Brumer, Milton, 6750 Entrada Place, Boca Raton, Fla. 33433 (1969).

Bryson, Arthur Earl, Jr., Stanford University, Stanford, Calif. (1970).

Buchsbaum, Dr. Solomon J., Communications Sciences Division, Bell Laboratories, Crawford Corner Rd., Holmdel, N.J. 07733 1973).

Bucy, J. Fred, Jr., Texas Instruments Inc., P.O.B. 5484, Dallas, Tex. 75222 (1974).

Budiansky, Bernard, Division of Engineering and Applied Physics, Harvard University, Cambridge, Mass. 02138 (1976).

Bueche, Arthur M., General Electric Co., P.O.B. 8, Schenectady, N.Y. 12301 (1974).

Burke, Joseph E., General Electric Company, General Electric Research and Development Center, P.O.B. 8, Schenectady, N.Y. 12301 (1976).

Burks, G. Edwin, 3320 North Bigelow, Peoria, Ill. 61604 (1978).

Burnett, Dr. James Robert, TRW Systems Group, One Space Park, Redondo Beach, Calif. 90728.

Burnham, Donald C., Westinghouse Electric Corpn., Gateway Center, Pittsburgh, Pa. 15222 (1968).

Burriss, Dr. Stanley W., 6263 Blauer Lane, San Jose, Calif. 95135 (1968).

Busemann, Adolf, 970 Lincoln Place, Boulder, Colo. 80302 (1970).

Bush, Spencer Harrison, Battelle Northwest Laboratories, P.O B. 999, Richland, Wash. 99352 (1970).

Busignies, Dr. Henri G., 500 Washington Ave., Nutley, N.J. 07110 (1966).

Cairns, Dr. Robert W., American Chemical Society, 1155 16th St., N.W., Washington, D.C. 20036 (1969).

Caldwell, Joseph M., 2732 North Kensington St., Arlington, Va. 22207 (1973).

Camras, Marvin, IIT Research Institute, 10 West 35th St., Chicago, Ill. 60616 (1976).

Cannon, Dr. Robert H., Jr., California Institute of Technology, Pasadena, Calif. 91125 (1973).

Caplan, John D., Research Laboratories, General Motors Corpn., 12 Mile and Mounds Rds., Warren, Mich. 48090 (1973).

Carlson, Roy W., 55 Maryland Ave., Berkeley, Calif. 94707 (1974).

Carrier, George F., Harvard University, Cambridge, Mass. 02138 (1974).

Casagrande, Dr. Arthur, Harvard University, Cambridge, Mass. 02138 (1966).

Casagrande, Leo., Casagrande Consultants, 40 Massachusetts Ave., Arlington, Mass. 02174 (1974).

Cassidy, Lt.-Gen. William F., 1848 River Shore Drive, Indialantic, Florida 32903 (1967).

Cermak, Dr. Jack E., Fluid Mechanics Program, Dept. of Civil Engineering, Colorado State University, Fort Collins, Colo. 80521 (1973).

Chadwick, Dr. Wallace L., 904 Pacific Mutual Building, 523 West Sixth Street, Los Angeles, Calif. 90014 (1965).

Chambers, Carl Covalt, Estero Woods Village, Apt. 322, Estero, Fla. 33928 (1970).

Chapman, Dr. Dean R., Ames Research Center, NASA, Moffett Field, Calif. 94035.

Charpie, Dr. Robert A., Cabot Corpn., 125 High St., Boston, Mass. 02110.

Charyk, Dr. Joseph V., Communications Satellite Corpn., 950 L'Enfant Plaza, S.W., Washington, D.C. 20024 (1973).

Chenea, Dr. Paul F., General Motors Corporation, Research Laboratories, Warren, Mich. 48090 (1069).

Chesebrough, Harry E., 471 Dunston Rd., Bloomfield Hills, Mich. 48013 (1967).

Chestnut, Harold, Corporate Research & Development, General Electric Co., One River Rd., Schenectady, N.Y. 12345 (1974).

Chodorow, Dr. Marvin, Stanford University, Stanford, Calif. 94305 (1967).

Chow, Dr. Ven T., Hydrosystems Laboratory, University of Illinois, Urbana, Ill. 61801 (1973).

Churchill, Stuart W., University of Pennsylvania, Philadelphia, Pa. 19174 (1974).

‡Cisler, Walker L., 1300 Washington Boulevard Bldg., Detroit, Mich. 48226 (1964).

Clarke, Lt.-Gen. Frederick J. (Retd.), Tippetts-Abbett-McCarthy-Stratton, 1101 15th St., N.W., Suite 700, Washington, D.C. 20005 (1973).

Clauser, Francis Hettinger, California Institute of Technology, Pasadena, Calif. 91109 (1970).

Cleary, Dr. Edward J., 32088 Waterside Lane, Westlake Village, Calif. 91361 (1967).

Clewell, Dayton H., 34 Driftway Lane, Darien, Conn. 06820 (1976).

Clough, Dr. Ray W., University of California, Berkeley, Calif. 94720 (1968).

Cluff, Lloyd S., Woodward-Clyde Consultants, 3 Embarcadero Center, Suite 700, San Francisco, Calif. 94111 (1978).

Coble, Robert L., Dept. of Materials Science and Engineering, M.I.T., Cambridge, Mass. 02139 (1978).

Coffin, Dr. Louis F., Jr., General Electric Research and Development Center, P.O.B. 8, Schenectady, N.Y. 12301.

Cohen, Edward, Ammann & Whitney, Two Worlds Trade Center, New York, N.Y. 10047.

Cohen, Dr. Karl P., 928 California Ave., Palo Alto, Calif. 94303 (1967).

Cohen, Morris, Dept. of Metallurgy and Materials Science, M.I.T., Cambridge, Mass. 02139 (1972).

Cohn, Nathan, 1457 Noble Rd., Jenkintown, Pa. 19046 (1969).

Cole, Julian D., University of California, 5732 Boelter Hall, Los Angeles, Calif. 90024 (1976).

Collins, Dr. Arthur A., Arthur A. Collins Inc., 13601 Preston Rd., Dallas, Tex. 75240.

Coltman, John W., Westinghouse Research Laboratories, Beulah Road, Pittsburgh, Pa. 15232 (1976).

Concordia, Charles, London Square, 12 Hampton, Clifton Park, N.Y. 12065 (1978).

Cooper, Franklin S., Haskins Laboratories, 270 Crown St., New Haven, Conn. 06510. (1976).

Copeland, Norman A., 9000 Du Pont Bldg., Wilmington, Del. 19898 (1977).

Corbató, F. J., M.I.T., Cambridge, Mass. 02139 (1976).

Corry, Andrew F., Boston Edison Co., 800 Boylston St., Boston, Mass. 02199 (1978).

Cortright, Edgar M., Owens-Illinois Inc., P.O.B. 1035, Toledo, Ohio 43666 (1973).

Cragon, Harvey G., Texas Instruments Inc., P.O.B. 225012, MS72, Dallas, Tex. 75265 (1978).

Crandall, Stephen H., M.I.T., Room 3-360, Cambridge, Mass. 02139 (1977).

Crane, L. Stanley, Southern Railways Co., P.O.B. 1808, Washington, D.C. 20013 (1978).

Craven, John P., University of Hawaii, 2540 Dole St., Honolulu, Hawaii 96822 (1970).

Cross, Ralph E., The Cross Company, Fraser, Mich. 48026 (1968).

Culler, Floyd L., Jr., Electric Power Research Institute, 3412 Hillview Ave., Palo Alto, Calif. 94303.

Cullum, A. Earl, Jr., Inwood Post Office, P.O.B. 7004, Dallas, Tex. 75209 (1970).

Currie, Malcolm R., Missile Systems Group, Hughes Aircraft Co., 26/N-10, Canoga Park, Calif. 91304 (1971).

Cutler, Cassius Chapin, Bell Laboratories, Crawford Corner Rd., Holmdel, N.J. 07733 (1970).

Dacey, Dr. George C., Bell Laboratories, Crawford Corner Rd., Holmdel, N.J. 07733 (1973).

Dahlstrom, Dr. Donald A., Envirotech Corpn., 414 West Third South, Salt Lake City, Utah 84110 (1975).

Daily, Dr. James W., University of Michigan, Ann Arbor, Mich. 48104 (1975).

D'Appolonia, Dr. Elio, D'Appolonia Consulting Engineers, Inc., 10 Duff Rd., Pittsburgh, Pa. 15235 (1977).

Darlington, Dr. Sidney, University of New Hampshire, 8 Fogg Drive, Durham, N.H. 03824.

Davenport, Dr. Lee L., GTE Laboratories Inc., 1 Stamford Forum, Stamford, Conn. 06904 (1973).

Davenport, Dr. Wilbur B., Jr., M.I.T., Room 38-401, Cambridge, Mass. 02139 (1975).

David, Dr. Edward E., Jr., Exxon Research and Engineering Co., P.O.B. 101, Florham Park, N.J. 07932 (1966).

Davis, Dr. Frank W., 6328 Curzon, Fort Worth, Tex. 76116 (1967).

Davis, Harmer E., University of California, Berkeley, Calif. 94720 (1967).

Davis, Ruth M., The Pentagon, Room 3E114, Washington, D.C. 20301 (1976).

Davis, Willard Kenneth, Bechtel Corporation, San Francisco, Calif. (1970).

Dean, Robert C., Creare Innovations Inc., P.O.B. 68, Hanover, N.H. 03755 (1977).

DEBUS, Dr. KURT H., 280 Bahama Blvd., Cocoa Beach, Fla. 32931.
DEERE, Dr. DON U., 6834 S.W. 35th Way, Gainesville, Fla. 32601 (1967).
DEGENKOLB, HENRY J., Degenkolb and Associates, 350 Sansome St., Room 500, San Francisco, Calif. 94104 (1977).
DELAUER, Dr. RICHARD D., TRW Inc., One Space Park, Redondo Beach, Calif. 90278 (1969).
DEMARIA, ANTHONY J., United Technologies Research Center, Silver Lane, East Hartford, Conn. 06108 (1976).
DEN HARTOG, Dr. JACOB P., M.I.T., Room 3-262, Cambridge, Mass. 02139.
DESCHAMPS, GEORGE A., Dept. of Electrical Engineering, University of Illinois, Urbana, Ill. 61801 (1978).
DESOER, CHARLES A., Dept. of Electrical Engineering and Computer Sciences, University of California, Berkeley, Calif. 94720 (1977).
DESSAUER, Dr. JOHN H., P.O.B. 373, 57 Monroe Ave., Pittsford, N.Y. 14534 (1967).
DICKEMAN, RAYMOND L., Exxon Nuclear Company, 4000 N.E. 41st St., Seattle, Wash. 98105 (1978).
DICKIESON, ALTON CONANT, P.O.B. 1243, Sedona, Ariz. 86336 (1970).
DIETRICH, Dr. JOSEPH R., Nuclear Power Systems Combustion Engineering, Inc., 1000 Prospect Hill Road, Windsor, Conn. 06095.
DILLARD, JOSEPH K., Westinghouse Electric Corporation, 700 Braddock Ave., East Pittsburgh, Pa. 15112.
DINNEEN, Dr. GERALD P., Asst. Secretary of Defense, The Pentagon, Room 3E282, Washington, D.C. 20301 (1975).
DONOVAN, ALLEN F., P.O.B. 92957, Los Angeles, Calif. 90009 (1969).
DOUGLAS, DONALD W., 377 Camino Sur, Palm Springs, Calif. 92262 (1967).
DOUGLAS, WALTER S., Parsons, Brinckerhoff, Quade & Douglas, One Penn Plaza, 250 34th St., New York, N.Y. 10001 (1967).
DOUMA, JACOB H., Hydraulic Design Branch, Office of the Chief of Engineers, Department of the Army, Washington D.C. (1971).
DRAKE, ROBERT M., Jr., Special Asst. to the President, University of Kentucky, Lexington, Ky. 40506 (1974).
DRAPER, Dr. CHARLES STARK, Charles Stark Draper Laboratory Inc., 68 Albany St., Cambridge, Mass. 02139 (1965).
DRESSELHAUS, MILDRED S., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1974).
DRUCKER, Dr. DANIEL C., University of Illinois, Urbana, Ill. 61801 (1967).
DUKLER, A. E., Dean of Engineering, Univ. of Houston, 4800 Calhoun St., Houston, Tex. 77004 (1977).
DYER, IRA, Department of Ocean Engineering, M.I.T., Cambridge, Mass. 02139 (1976).
EBERHART, HOWARD D., College of Engineering, King Abdulaziz Univ., P.O.B. 1540, Jeddah, Saudi Arabia (1977).
ECKERT, ERNST RUDOLF GEORG, University of Minnesota, Minneapolis, Minn. (1970).
ECKERT, Dr. J. PRESPER, UNIVAC, Division of Sperry-Rand Corpn., P.O.B. 500, Blue Bell, Pa. 19422 (1967).
EDGERTON, Dr. HAROLD E., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1966).
EDLUND, MILTON C., Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061 (1976).
EGGERS, ALFRED JOHN, Jr., Lockheed Palo Alto Research Laboratories, 3251 Hanover St., Bldg. 201, Palo Alto, Calif. 94304 (1972).
EISENBERG, PHILLIP, Hydronautics Inc., 7210 Pindell School Rd., Laurel, Md. 20810 (1974).
EISENBUD, MERRIL, New York University Medical Center, 550 First Ave., New York, N.Y. 10016 (1977).
ELDER, REX A., Bechtel Incorporated, 50 Beale St., San Francisco, Calif. 94119 (1978).
ELDRED, KENNETH McK., Bolt Beranek and Newman Inc., 50 Moulton St., Cambridge, Mass. 02138 (1975).
ELIASSEN, ROLF, Metcalf & Eddy Inc., 1029 Corporation Way, Palo Alto, Calif. 94305 (1971).
ELKINS, LLOYD E., Amoco Production Company, Research Center, P.O.B. 591, Tulsa, Okla. 74102 (1976).
ELLIOTT, Dr. JOHN F., M.I.T. Room 8-109, Cambridge, Mass. 02139.
ELLIOTT, MARTIN A., 13623 Alchester Lane, Houston, Tex. 77079 (1976).
ELMENDORF, CHARLES H. III, 34 Cross Gates Rd., Madison, N.J. 07940 (1971).
ELMS, JAMES C., 112 Kings Place, Newport Beach, Calif. 92663 (1974).
ELSTON, CHARLES W., 1 River Road, Schenectady, N.Y. 12345 (1967).
EMMONS, Dr. HOWARD W., Harvard University, Cambridge, Mass. 02138 (1965).
ENGELBRECHT, RICHARD S., University of Illinois at Urbana-Champaign, 3230 Civil Engineering Building, Urbana, Ill. 61801 (1976).
‡ENGSTROM, Dr. ELMER W., Apt. 31-01, Meadow Lakes, Hightstown, N.J. 08520 (1964).
ESHLEMAN, R. VON, Stanford University, Stanford, Calif. 94305 (1978).
ESTES, ELLIOTT M., General Motors Corporation, 3044 West Grand Boulevard, Detroit, Mich. 48202 (1976).
ETHERINGTON, HAROLD, 84 Lighthouse Drive, Jupiter, Fla. 33458 (1978).
EVANS, BOB OVERTON, IBM Corporation, White Plains, N.Y. 10604 (1970).
EVANS, DAVID C., Evans and Sutherland Computer Corpn., 580 Arapeen Drive, Salt Lake City, Utah 84108 (1978).
EVANS, Dr. ERSEL A., P.O.B. 1970, Richland, Wash. 99352.
EVERETT, JAMES L., III, Philadelphia Electric Co., 2301 Market St., Philadelphia, Pa. 19101 (1974).
EVERHART, THOMAS E., Dept. of Engineering and Computer Sciences, University of California, Berkeley, Calif. 94720 (1978).
‡EVERITT, Dr. WILLIAM L., University of Illinois, Urbana, Ill. 61801 (1964).
FADUM, RALPH E., School of Engineering, N.C. State University, 229 Riddick Bldg., Raleigh, N.C. 27607 (1975).
FAGET, MAXIME ALLAN, National Aeronautics and Space Administration, Houston, Tex. 77058 (1970).
FAIR, JAMES R., Jr., Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Mo. 63166 (1974).
FANO, Dr. ROBERT M., Dept. of Electrical Engineering, M.I.T., Cambridge, Mass. 02139 (1973).
FEINSTEIN, JOSEPH, Varian Associates, 611 Hansen Way, Palo Alto, Calif. 94303 (1976).
FELKER, JEAN HOWARD, Bell Laboratories, P.O.B. 2020, New Brunswick, N.J. 08903 (1974).
FELSEN, LEOPOLD B., Polytechnic Inst. of New York, 333 Jay St., Brooklyn, N.Y. 11201 (1977).
FENVES, STEVEN J., Carnegie-Mellon University, Schenley Park, Pittsburgh, Pa 15213 (1976).
FERENCE, MICHAEL, Jr., Anglers Cove 12-203, 1456 N.E. Ocean Blvd., Stuart, Fla. 33494 (1971).
FERGUSON, PHIL M., University of Texas at Austin, 3102 Beverly Rd., Austin, Tex. 78703 (1973).
FETTERS, Dr. KARL L., 7099 Oak Drive, Poland, O. 44514 (1965).
FIELD, A. J., 650 South Grand Ave., Suite 900, Los Angeles, Calif. 90017 (1974).
FIELD, Dr. LESTER M., 4139 Via Marina 8-805, Marina del Rey, Calif. 90291 (1967).
FIELD, MICHAEL, Metcut Research Associates, Inc., 3980 Rosslyn Drive, Cincinnati, Ohio 45209 (1976).
FINE, Dr. MORRIS E., Technological Institute, Northwestern University, Evanston, Ill. 60201 (1973).
FINK, DANIEL J., General Electric Co., Valley Forge Space Center, P.O.B. 8555, Philadelphia, Pa. 19101 (1974).
FINK, DONALD G., 103-B Heritage Hills, Somers, N.Y. 10589 (1969).
FISHER, HAROLD W., P.O.B. 1792, Duxbury, Mass. 02332 (1969).
FISK, Dr. JAMES B., Bell Laboratories Inc., Murray Hill, N.J. 07974 (1966).
FLANAGAN, JAMES L., Bell Telephone Laboratories, 600Mountain Ave., Room 2D540, Murray Hill, N.J. 07974 (1978).
FLAWN, PETER T., University of Texas, San Antonio, Tex. 78284 (1974).
FLAX, Dr. ALEXANDER H., 400 Army-Navy Drive, Arlington, Va. 22202 (1967).
FLEMINGS, MERTON C., Department of Materials Science and Engineering, Room 8-407, Cambridge, Mass. 02139 (1976).
FLETCHER, JAMES CHIPMAN, School of Engineering, University of Pittsburgh, 232 Benedum Hall, Pittsburgh, Pa. 15261 (1970).
FOGARTY, CHARLES F., Texasgulf Inc., High Ridge Park, Stamford, Conn. 06904 (1976).
FOLSOM, Dr. RICHARD G., 585 Oakville Crossroad, Napa, Calif. 94558 (1965).
FONTANA, Dr. MARS G., The Ohio State University, Columbus, O. 43210 (1967).
FORRESTER, Dr. JAY W., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1967).
FOSTER, Dr. JOHN S., Jr., TRW Inc., One Space Park, Redondo Beach, Calif. 90278 (1969).

Fox, Gerard F., Howard Needles Tammen and Bergendoff, 1345 Avenue of the Americas, New York, N.Y. 10019 (1976).

Frazier, J. Earl, Frazier-Simplex, Inc., 436 E. Beau St., P.O.B. 493, Washington, Pa. 15301 (1978).

Frey, Dr. Donald N., Bell & Howell Co., 7100 McCormick Blvd., Chicago, Ill. 60645 (1967).

Friedlander, Dr. Sheldon K., California Institute of Technology, Pasadena, Calif. 91125.

Frosch, Robert A., NASA, Washington, D.C. 20546 (1971).

Frye, John C., Geological Society of America, 3300 Penrose Place, Boulder, Colo. 80301 (1971).

Fu, King-sun, Department of Electrical Engineering, Purdue University, West Lafayette, Ind. 47907 (1976).

Fubini, Dr. Eugene G., E. G. Fubini Consultants Ltd., 1901 North Fort Myer Drive, Arlington, Va. 22209 (1966).

Fucik, E. Montford, Harza Engineering Co., 150 South Wacker Drive, Chicago, Ill. 60606 (1974).

Fuerstenau, Douglas W., Department of Materials Science and Engineering, University of California, Berkeley, Calif. 94720 (1976).

Fuhrman, Robert A., Lockheed Missiles and Space Company, Inc., P.O.B. 504, Sunnyvale, Calif. 94088 (1976).

Gaden, Elmer L., Jr., University of Vermont, Votey Bldg., Burlington, Vt. 05401 (1974).

Gagnebin, Albert P., INCO Ltd., One New York Plaza, New York, N.Y. 10004 (1974).

Garwin, Richard L., IBM T.J. Watson Research Center, P.O.B. Watson 218, Yorktown Heights, N.Y. 10598 (1978).

Gautreaux, Marcelian F., Ethyl Corpn., P.O.B. 341, Baton Rouge, La. 70821 (1977).

Gavin, Joseph G., Jr., Grumman Aerospace Corpn., Bethpage, Long Island, N.Y. 11714 (1974).

Geer, Ronald L., Shell Oil Co., One Shell Plaza, P.O.B. 2463, Houston, Tex. 77001 (1977).

Gerwick, Ben C., Jr., University of California, Berkeley, 500 Sansome St., San Francisco, Calif. 94111 (1973).

Getting, Dr. Ivan A., P.O.B. 92957, Los Angeles, Calif. 90005 (1968).

Geyer, John Charles, 710 Bosley Rd., Cockeysville, Md. 21030 (1970).

Giaever, Dr. Ivar, General Electric Corporate Research and Development Center, Room 3C32, P.O.B. 8, Schenectady, N.Y 12301.

Gibbons, James F., Stanford University, Stanford, Calif. 94305 (1974).

Gilkeson, Robert F., Philadelphia Electric Co., 2301 Market St., Philadelphia, Pa. 19101 (1978).

Gilman, Dr. John J., Allied Chemical Corpn., P.O.B. 1021R, Morristown, N.J. 07960.

Gilruth, Dr. Robert R., 5128 Park Ave., Dickinson, Tex. 77539 (1968).

Ginsburg, Charles P., Ampex Corpn., 401 Broadway, Redwood City, Calif. 94063 (1973).

Ginzton, Dr. Edward L., 611 Hansen Way, Palo Alto, Calif. 94303 (1965).

Glaser, Edward L., System Development Corpn., 2500 Colorado Ave., Santa Monica, Calif. 90406 (1977).

Glennan, Dr. T. Keith, 11483 Waterview Cluster, Reston, Va. 22090 (1967).

Gloyna, Earnest Frederick, University of Texas, Austin, Tex. 78712 (1970).

Goland, Martin, Southwest Research Institute, P.O. Drawer 28510, San Antonio, Tex. 78284 (1967).

Golomb, Solomon W., University of Southern California, Los Angeles, Calif. 90007 (1976).

Gomory, Dr. Ralph E., IBM Watson Research Center, P.O.B. 218, Yorktown Heights, N.Y. 10598.

Goodenough, John B., Inorganic Chemistry Laboratory, Oxford University, South Parks Rd., Oxford, England (1976).

Gooding, Robert C., 1305 Trinity Drive, Alexandria, Va. 22314 (1976).

Gordon, Dr. William E., Rice University, P.O.B. 1892, Houston, Tex. 77001.

Gornowski, Edward J., Exxon Research and Engineering Company, P.O.B. 101, Florham Park, N.J. 07932 (1971).

Gould, Roy W., California Institute of Technology, Pasadena, Calif. 91125 (1971).

Gould, William R., Southern California Edison Co., 2244 Walnut Grove Ave., Rosemead, Calif. 91770 (1973).

Granger, Dr. John V. N., Science and Technology Counselor, U.S. Embassy, Grosvenor Sq., London, W.1, England.

Gray, Dr. Paul E., M.I.T., Room 3-208, Cambridge, Mass. 02139.

Grosh, Dr. Richard J., Ranco Inc., 701 West 5th Ave., P.O.B. 8369, Columbus, Ohio 43201 (1969).

Gross, Eric T. B., Rensselaer Polytechnic Institute, Troy, N.Y. 12181 (1978).

Gunness, Robert C., One First National Plaza, Suite 2656, Chicago, Ill. 60603 (1969).

Haddad, Jerrier A., Old Orchard Road, Armonk, N.Y. 10504 (1968).

Haensel, Vladimir, Universal Oil Products Co., 10 UOP Plaza, Des Plaines, Ill. 60016 (1974).

Hafstad, Dr. Lawrence R., RFD 1, Chester, Md. 21619 (1968).

Haggerty, Dr. Patrick E., P.O.B. 5474, Dallas, Tex. 75222 (1965).

‡Haider, Michael L., 1 Rockefeller Plaza, New York N.Y. 10020 (1964).

Hait, Dr. James, 435 Toyama Drive, Sunnyvale, Calif. 94086 (1967).

Hall, Albert Carruthers, Box 315C, Queenstown, Md. 21658 (1970).

Hall, Robert N., General Electric Co. Research and Development Center, P.O.B. 8, Schenectady, N.Y. 12301 (1978).

Hall, Dr. William J., University of Illinois, Urbana, Ill. 61801 (1968).

Hamilton, William T., Boeing Commercial Airplane Co., P.O.B. 3707, MS 78-50, Seattle, Wash. 98124 (1978).

Hamming, Kenneth W., 527 Meadow Drive West, Wilmette, Ill. 60091 (1974).

Hancock, John C., Purdue University, West Lafayette, Ind. 47907 (1974).

Haney, Paul D., Black & Veatch Consulting Engineers, P.O.B. 8405, Kansas City, Mo. 64114 (1974).

Hannay, N. Bruce, Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974 (1974).

Hanratty, Thomas J., University of Illinois, Urbana, Ill. 61801 (1974).

Hansen, Arthur G., Purdue University, West Lafayette, Ind. 47907 (1976).

Hansen, Grant L., System Development Corpn., 2500 Colorado Ave., Santa Monica, Calif. 90406 (1977).

Harder, Edwin L., 1204 Milton Avenue, Pittsburgh, Pa. 15218 (1976).

Harleman, Donald R. F., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1974).

Harper, John D., Aluminium Company of America, Pittsburgh, Pa. 15219 (1971).

Harris, Dr. Cyril M., Columbia University, 1330 Mudd, New York, N.Y. 10027.

Harris, Milton, 3300 Whitehaven St., N.W., Suite 500, Washington, D.C. 20007. (1976)

Harris, Stephen E., Ginzton Laboratory, Stanford University, Stanford, Calif. 94305 (1977).

Harris, William J., Asscn. of American Railroads, 1920 L St. N.W., Washington, D.C. 20036 (1977).

Harwood, Julius J., Ford Motor Co., P.O.B. 2053, Dearborn, Mich. 48121 (1977).

Hatsopoulos, George N., Thermo Electric Corpn., 101 First Ave., Waltham, Mass. 02139 (1978).

Haus, Hermann A., M.I.T., Room 36-351, Cambridge, Mass. 02139 (1976).

Hauspurg, Arthur, Consolidated Edison Company of New York, Inc., 4 Irving Place, New York, N.Y. 10003 (1976).

Hawkins, Dr. W. Lincoln, Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.

Hawkins, Willis M., Lockheed California Co., P.O.B. 551 Burbank, Calif. 91520 (1966).

Hayes, Maj.-Gen. Thomas J., III (Retd.), International Engineering Co. Inc., 220 Montgomery St., San Francisco, Calif. 94104.

Hayes, Dr. Wallace D., Princeton University, Princeton, N.J. 08540.

Hazen, Richard, Hazen and Sawyer, 360 Lexington Ave., New York, N.Y. 10017 (1974).

Hedefine, Alfred, Parsons, Brinckerhoff, Quade & Douglas. One Penn Plaza, 250 34th St., New York, N.Y. 10001 (1973).

Hedrick, Ira G., Grumman Aerospace Corpn., Bethpage, Long Island, N.Y. 11714 (1974).

Heinemann, Edward H., Heinemann Assocs., Box 1795, Rancho Santa Fe, Calif. 92067 (1965).

Heinemann, Heinz, Lawrence Berkeley Laboratories, Bldg. 62, University of California, Berkeley, Calif. 94720 (1976).

Hellwarth, Robert W., University of Southern California, Los Angeles, Calif. 90007 (1977).

Hendrie, Joseph M., Nuclear Regulatory Commission, Washington, D.C. 20555 (1976).

Herman, Robert, Traffic Science Dept., General Motors Research Laboratories, Warren, Mich. 48090 (1978).

Hertzberg, Abraham, 120 Aerospace Research Laboratory FL-10, University of Washington, Seattle, Wash. 98195 (1976).
Herwald, Dr. Seymour W., Westinghouse Electric Corpn., Gateway Center, Pittsburgh, Pa. 15222 (1967).
Hess, Wilmot N., Environmental Research Laboratories, National Oceanic and Atmospheric Administration, Boulder, Colo. 80302 (1976).
Hewlett, Dr. William R., 1501 Page Mill Rd., Palo Alto, Calif. 94304 (1965).
Hibbard, Dr. Walter R., Jr., College of Engineering, Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061 (1966).
Hicks, Beatrice A., R.D. No. 1, Dover, N.J. 07801 (1978).
Hillier, Dr. James, 22 Arreton Rd., Princeton, N.J. 08540 (1967).
Hirth, John P., Ohio State University, 116 West 19th Ave., Columbus, O. 43210 (1974).
Hittinger, William C., RCA Corporation, David Sarnoff Research Center, Princeton, N.J. 08540 (1976).
Hocott, Claude R., University of Texas at Austin, Austin, 78712 (1974).
Hodge, Philip G., Jr., University of Minnesota, Aero 107, Minneapolis, Minn. 55455 (1977).
Hoff, Dr. Nicholas J., Rensselaer Polytechnic Institute, Troy, N.Y. 12181 (1965).
Hogan, C. Lester, Fairchild Camera and Instrument Corpn., 464 Ellis St., Mountain View, Calif. 94042 (1977).
Hogg, David C., National Oceanic and Atmospheric Administration, Boulder, Colo. 80302 (1978).
Hognestad, Dr. Eivind, Portland Cement Assen., Old Orchard Rd., Skokie, Ill. 60076 (1973).
‡Holbrook, Dr. George E., 409 Milton Drive, Wilmington, Del. 19802 (1964).
Holley, C. H., General Electric Company, One River Rd., Schenectady, N.Y. 12345 (1976).
Hollis, Dr. Mark D., 411 Lone Palm Drive, Lakeland, Fla. 33801 (1967).
Hollister, Dr. Solomon C., 5 Parkway Place, Ithaca, N.Y. 14850 (1973).
‡Hollomon, Dr. J. Herbert, Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1964).
Holloway, Dr. Frederic A. L., Exxon Corpn., 220 Park Ave., Florham Park, N.J. 07932 (1965).
Holloway, Dr. Marshall G., 217 Pirates Place, Jupiter, Fla. 33458 (1967).
Holmes, D. Brainerd, Raytheon Co., 141 Spring St., Lexington, Mass. 02173 (1977).
Holonyak, Dr. Nick, Jr., University of Illinois—Urbana, Urbana, Ill. 61801 (1973).
Hopper, Capt. Grace M., U.S. Dept. of the Navy, OP-916D, The Pentagon, BD 770, Washington, D.C. 20350 (1973).
Hornbeck, Dr. John A., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974.
Hosler, Charles L., Jr., College of Earth and Mineral Sciences, Pennsylvania State University, Deike Building, University Park, Pa. 16802 (1978).
Hottel, Hoyt C., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1974).
Hougen, Olaf A., University of Wisconsin, Madison, Wis. 53706 (1974).
Housner, Dr. George W., California Institute of Technology, Pasadena, Calif. 91109 (1965).
Hrones, Dr. John A., Case Western Reserve University, 10900 Euclid Ave., Cleveland, Ohio 44106.
Hudson, Dr. Donald E., California Institute of Technology, 1201 East California Blvd., Pasadena, Calif. 91125 (1973).
Hudson, Herbert E., Jr., Water & Air Research, Inc., P.O.B. 1121, Gainsville, Fla. 32602 (1978).
Huebner, George J., 720 Oakdale Rd., Ann Arbor, Mich. 48105.
Huggins, William Herbert, Johns Hopkins University, Baltimore, Md. 21218 (1970).
Humphrey, Dr. Arthur E., University of Pennsylvania, 107 Towne Bldg., Philadelphia, Pa. 19174 (1973).
Hunsaker, Dr. Jerome C., 10 Louisburg Square, Boston, Mass. 02108 (1967).
Irwin, George R., University of Maryland, College Park, Md. 20740 (1977).
Isaacs, John D., III, Inst. of Marine Resources, Univ. of California at San Diego, La Jolla, Calif. 92093 (1977).
Jacobs, J. Donovan, 500 Sansome St., San Francisco, Calif. 94111 (1969).
Jacobs, Dr. John E., Northwestern University, Evanston, Ill. 60201 (1969).
Jaffee, Dr. Robert I., Electric Power Research Institute, 3412 Hillview Ave., P.O.B. 10412, Palo Alto, Calif. 94304 (1969).
Jeffs, George W., 2230 East Imperial Highway, El Segundo, Calif. 90245 (1978).
Jennings, Burgess H., Northwestern University, 1500 Sheridan Rd., Wilmette, Ill. 60091 (1977).
Jennings, Paul C., California Inst. of Technology, Pasadena, Calif. 91125 (1977).
Johnson, Dr. Clarence L., 2555 North Hollywood Way, P.O.B. 551, Burbank, Calif. 91503 (1965).
Johnson, Dr. H. Richard, Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, Calif. 94304 (1973)
Johnson, James Robert, Physical Sciences Research Laboratory, 3M Company, St. Paul, Minn. 55133 (1972).
Johnson, Joe W., Department of Civil Engineering, University of California, 412 O'Brien Hall, Berkeley, Calif. 94720 (1976).
Johnson, Robert L., McDonnell Douglas Astronautics Company, 5301 Bolsa Avenue, Huntington Beach, Calif. 92647 (1976).
Johnson, Wendell Eugene, 1524 Woodacre Drive, McLean, Va. 22101 (1970).
Johnson, Dr. Wilfrid E., P.O.B. 963, Richland, Wash. 99352 (1968).
Johnson, Dr. Woodrow E., Westinghouse Electric Corpn., 2001 Lebanon Rd., West Mifflin, Pa. 15122 (1968).
Jones, Robert T., Ames Research Center, NASA, Moffett Field, Calif. 94035 (1973).
Jones, Dr. Thomas F., M.I.T., Room 7-206, Cambridge, Mass. 02139 (1969).
Jonsson, John Erik, Texas Instruments Inc., Dallas, Tex. 75201 (1971).
Jordan, Donald J., 113 Evergreen Lane, Glastonbury, Conn. 06033 (1976).
Jordan, Dr. Edward C., University of Illinois, Urbana, Ill. 61801 (1967).
Jordan, Dr. Richard C., University of Minnesota, 125 Mechanical Engineering Bldg., Minneapolis, Minn. 55455.
Kaman, Charles H., Kaman Corpn., Bloomfield, Conn. 06002 (1967).
Kane, Eneas D., Standard Oil Co. of California, 225 Bush St., San Francisco, Calif. 94104 (1977).
Kantrowitz, Arthur R., AVCO Everett Research Laboratory Inc., 2385 Revere Beach Parkway, Everett, Mass. 02149 (1977).
Katz, Dr. Donald L., The University of Michigan, Ann Arbor, Mich. 48104 (1968).
Kays, William M., School of Engineering, Stanford University, Stanford, Calif. 94305 (1977).
Keil, Dr. Alfred A. H., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1966).
Kellogg, Herbert H., Columbia University, Seeley W. Mudd Building, New York, N.Y. 10027 (1978).
Kennedy, Dr. John F., University of Iowa, Iowa City, Iowa 52242 (1973).
Kerrebrock, Jack L., M.I.T., Room 33-207, Cambridge, Mass. 02139 (1978).
Kesler, Clyde E., University of Illinois at Urbana-Champaign, Civil Engineering Building, Urbana, Ill. 61801 (1977).
Kessler, George W., 720 Williams Drive, Winter Park, Fla. 32789 (1969).
Ketchledge, Raymond Waibel, Bell Laboratories, Naperville, Ill. 60540 (1970).
Keyes, Robert W., IBM T.J. Watson Research Center, P.O.B. 218, Yorktown Heights, N.Y. 10598 (1976).
Khan, Dr. Fazlur R., Skidmore, Owings & Merrill, 30 West Monroe St., Chicago, Ill. 60603 (1973).
Kiely, John R., 50 Beale Street, San Francisco, Calif. 94119 (1967).
Kilby, Jack S., 5924 Royal Lane, Dallas, Tex. 75230 (1967).
Kilgore, Lee A., Cline Hollow Rd., R.D. 3, Export, Pa. 15632 (1976).
Killian, Dr. James R., Jr., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1967).
Kingery, Dr. W. David, M.I.T., Cambridge, Mass. 02139.
Kino, Gordon S., W.W. Hansen Laboratories of Physics, Stanford University, Stanford, Calif. 94305 (1976).
‡Kinzel, Dr. Augustus B., 1738 Castellana Rd., La Jolla, Calif. 92037 (1964).
Kirkbride, Dr. Chalmer G., 1629 K St., N.W., Washington, D.C. 20006 (1967).
Knowles, Hugh S., 3100 North Mannheim Rd., Franklin Park, Ill. 60131 (1969).
Kouts, Herbert J. C., Dept. of Nuclear Energy, Brookhaven National Laboratory, Upton, N.Y. 11973 (1978).
Kraft, Christopher Columbus, Jr., Lyndon B. Johnson Space Center, NASA, Houston, Tex. 77058 (1970).

Kraus, John Daniel, Ohio State University, Columbus, Ohio 43210 (1972).
Kuesel, Thomas R., Parsons Brinckerhogg Quade & Douglas Inc., One Penn Plaza, 250 West 34th St., New York, N.Y. 10001 (1977).
Kuh, Dr. Ernest S., University of California, Berkeley, Calif. 94720.
Lambe, Thomas William, M.I.T., Cambridge, Mass. 02139 (1972).
Lambertsen, Christian J., Institute for Environmental Medicine, University of Pennsylvania Medical Center, G-2, Philadelphia, Pa. 19104 (1977).
Land, Dr. Edwin H., 730 Main Street, Cambridge, Mass. 02139 (1965).
Landau, Ralph, Halcon International Inc., 2 Park Ave., New York, N.Y. 10016 (1972).
Landauer, Rolf W., IBM T.J. Watson Research Center, P.O.B. 218, Yorktown Heights, N.Y. 10598 (1978).
‡Landis, James N., 2701 Golden Rain Rd., Walnut Creek, Calif. 94595 (1964).
Landsberg, Dr. Helmut E., The University of Maryland, College Park, Md. 20742 (1966).
Lang, William W., IBM Corpn., Building 704, Poughkeepsie, N.Y. 12602 (1978).
Larson, Dr. Clarence E., 6514 Bradley Blvd., Bethesda, Md. 20034 (1973).
Larson, Thurston E., Illinois State Water Survey, P.O.B. 232, Urbana, Ill. 61801 (1978).
Latham, Allen, Jr., Haemonetics Corpn., 8 Erie Drive, Natick, Mass. 01760 (1969).
Laufer, John, Dept. of Aerospace Engineering, University of Southern California, Los Angeles, Calif. 90007 (1977).
Lawler, Joseph C., Camp Dresser & McKee Inc., 1 Center Plaza, Boston, Mass. 02108 (1973).
Lawroski, Dr. Stephen, 9700 South Cass Ave., Argonne, Ill. 60439 (1969).
Leathers, J. F. M., The Dow Chemical Co., 2030 Dow Center, Abbott Rd., Midland, Mich. 48640 (1978).
Lederer, Jerome, 468-d Calle Cadiz, Laguna Hills, Calif. 92653 (1967).
Lee, Dr. E. H., Stanford University, Stanford, Calif. 94305.
Lee, Dr. Thomas H., General Electric Co., Fairfield, Conn. 06431.
Lee, William S., Duke Power Co., P.O.B. 2178, Charlotte, N.C. 28242 (1978).
Lees, Lester, Graduate Aeronautical Laboratories, California Institute of Technology, Pasadena, Calif. 91109 (1971).
Lehan, Frank Welborn, 1696 East Valley Rd., Santa Barbara, Calif. 93108 (1970).
LeMessurier, William J., Sippican Consultants International, Inc., 1033 Massachusetts Ave., Cambridge, Mass. 02138 (1978).
Leps, Thomas M., Thomas M. Leps Inc., 177 Watkins Ave., Atherton, Calif. 94025 (1973).
Levenson, Milton, Electric Power Research Institute, 3413 Hillview Ave., Palo Alto, Calif. 94304 (1976).
Leverenz, Humboldt Walter, 35 Westcott Rd., Princeton, N.J. 08540 (1970).
Levy, Salomon, S. Levy Inc., Suite 1050, 1901 S. Bascom Ave., Campbell, Calif. 45008 (1974).
Lewis, David S., General Dynamics Corpn., Pierre Laclede Center, St. Louis, Mo. 63105 (1971).
Lewis, W. Deming, Lehigh University, Bethlehem, Pa. 18015 (1967).
Liebowitz, Dr. Harold, George Washington University, Washington, D.C. 20052.
Liepmann, Hans W., California Institute of Technology, Pasadena, Calif. 91109 (1965).
Lin, T. Y., 315 Bay St., San Francisco, Calif. 94133 (1967).
Linden, Henry R., Institute of Gas Technology, 3424 South State St., Chicago, Ill. 60616 (1974).
‡Linder, Clarence H., 1334 Ruffner Rd., Schenectady, N.Y. 12309 (1964).
Lindvall, Frederick C., Lindvall, Richter and Assocs., 825 W. Colorado Blvd., Los Angeles, Calif. 90041 (1967).
Ling, Donald P., 1816 Nakomis Court N.E., Albuquerque, New Mexico 87112 (1967).
Ling, Frederick F., Dept. of Mechanical Engineering, Rensselaer Polytechnic Institute, Troy, N.Y. 12181 (1977).
Ling, Joseph T., Division of Environmental Engineering and Pollution Control, 3M Company, 900 Bush Ave., Box 33331, St. Paul, Minn. 55133 (1976).
Link, Edwin A., Harbor Branch Foundation Inc., RFD 1, Box 196, Fort Pierce, Fla. 33450 (1965).
Linsley, Ray K., Hydrocomp. Inc., 1502 Page Mill Rd., Palo Alto, Calif. 94304 (1976).
Linvill, John G., Stanford University, Stanford, Calif. 94305 (1971).
Lischer, Ludwig F., Commonwealth Edison Co., P.O.B. 767, Chicago, Ill. 60690 (1978).
Little, C. Gordon, National Oceanic and Atmospheric Administration, Boulder, Colo. 80302 (1974).
Loewy, Robert G., Rensselaer Polytechnic Institute, 110 8th St., Troy, N.Y. 12181 (1971).
Logan, John A., Rose-Hulman Institute of Technology, 5500 Wabash Ave., Terre Haute, Ind. 47803 (1968).
Longwell, John P., M.I.T., Room 66-554, Cambridge, Mass. 02139 (1976).
Loofbourrow, Alan G., 183 East Long Lake Rd., Bloomfield Hills, Mich. 48013 (1977).
Loughlin, Bernard D., Hazeltine Corpn., Greenlawn, N.Y. 11740 (1967).
Lovelace, Alan M., NASA, Washington, D.C. 20546 (1974).
Low, George M., Rensselaer Polytechnic Institute, 110 8th St., Troy, N.Y. 12181 (1970).
Low, John R., Jr., 635 McAlawy Rd., Charlotte, N.C. 28211 (1978).
Lowe, John, III, Tippetts-Abbett-McCarthy-Stratton, 345 Park Ave., New York, N.Y. 10022 (1974).
Lucas, William R., National Aeronautics and Space Administration, Marshall Space Flight Center, Ala. 35812 (1978).
Lucky, Robert W., Bell Telephone Laboratories, 600 Mountain Ave., Room 7B202, Murray Hill, N.J. 07974 (1978).
Ludwig, Harvey F., Southeast Asia Technology Co. Ltd., 87 Sukhumvit Rd., Bangkok, Thailand (1969).
Ludwig, John H., 43 Alston Place, Santa Barbara, Calif. 93108 (1971).
Luerssen, Frank W., Inland Steel Co., 3210 Watling St., East Chicago, Ind. 46312 (1977).
Lundin, Bruce T., 5629 Columbia Rd., North Olmstead, Ohio 44070 (1976).
Lundstrom, Louis C., General Motors Corpn., Technical Center, Warren, Mich. 48090 (1977).
Lustman, Benjamin, Westinghouse Bettis Atomic Power Laboratory, P.O.B. 79, Mifflin, Pa. 15122 (1968).
Macdonald, J. Ross, University of North Carolina, Chapel Hill, N.C. 27514 (1970).
MacDonnell, W. D., Kelsey-Hayes Co., 38481 Huron River Drive, Romulus, Mich. 48174 (1968).
Mackenzie, John D., Engineering and Applied Science Materials Department, University of California, 6532 Boelter Hall, Los Angeles, Calif. 90024 (1976).
MacMillan, Douglas C., General Dynamics Corpn., Quincy Mass. 02169 (1967).
MacPherson, Herbert G., 102 Orchard Circle, Oak Ridge, Tenn. 37830 (1978).
Mager, Artur, Aerospace Corpn., P.O.B. 92957, Los Angeles, Calif. 90009 (1977).
Maiman, Theodore H., TRW Electronics, 10880 Wilshire Blvd., Los Angeles, Calif. 90024 (1967).
Malozemoff, Plato, 300 Park Avenue, New York, N.Y. 10022 (1969).
Manly, William D., Cabot Corpn., Kokomo, Ind. 46901 (1974).
Mann, Dr. Robert W., M.I.T., 77 Massachusetts Ave., Room 3-439, Cambridge, Mass. 02139 (1973).
Marble, Frank E., California Institute of Technology, Pasadena, Calif. 91109 (1974).
Marcatili, Enrique A. J., Transmission and Circuit Research Department, Bell Laboratories, Box 400, Holmdel, N.J. 07733 (1976).
Marcuvitz, Nathan, Polytechnic Institute of New York, Route 110, Farmingdale, N.Y. 11735 (1978).
Mark, Hans M., Ames Research Center, NASA, Moffett Field, Calif. 94035 (1976).
Marshall, W. Robert, University of Wisconsin, Madison, Wis. 53706 (1967).
Martin, Thomas L., Jr., Illinois Institute of Technology, 3300 South Federal St., Chicago, Ill. 60616 (1971).
Mason, Dr. Edward A., Standard Oil Co. (Indiana), Amoco Research Center, P.O.B. 400, Naperville, Ill. 60540 (1975).
Matsuda, Fujio, University of Hawaii, 2444 Dole St., Honolulu, Hawaii 96822 (1974).
Mauch, Hans A., Mauch Laboratories Inc., 3035 Dryden Rd., Dayton, Ohio 45439 (1973).
Mauchly, Dr. John W., Dynatrend Inc., 1230 Cedar Rd., Ambler, Pa. 19002 (1967).
May, Walter G., Exxon Research and Engineering Co., Linden, N.J. 07036 (1978).
McAfee, Dr. Jerry, Gulf Oil Corpn., P.O.B. 1166, Pittsburgh, Pa. 15230 (1967).
McCabe, Warren L., Highland Farms, Black Mountain, N.C. 28711 (1978).

McCarthy, Gerald T., 94 Colt Rd., Summit, N.J. 07901 (1973).

McCarty, Perry L., Dept. of Civil Engineering, Stanford University, Stanford, Calif. 94305 (1977).

McCune, Francis K., 1564 Danny Drive, Sarasota, Fla. 33580 (1966).

McDonnell, Dr. James S., P.O.B. 516, St. Louis, Mo. 63166 (1967).

McKay, Dr. Kenneth G., Bell Laboratories, 600 Mountain Ave., Murray Hill, N.J. 07974 (1968).

McKee, Jack E., California Institute of Technology, Pasadena, Calif. 91125 (1969).

McKetta, John J., University of Texas, Austin, Tex. 78712 (1970).

McKinney, Ross E., Dept. of Civil Engineering, University of Kansas, 4002 Learned Hall, Lawrence, Kansas 66045 (1977).

McLucas, Dr. John L., COMSAT General Corpn., 950 L'Enfant Plaza, S.W., Washington, D.C. 20024 (1969).

McMaster, Robert Charles, 6435 Dublin Rd., Delaware, O. 43015 (1970).

McMillan, Dr. Brockway, Bell Laboratories Inc., Whippany, N.J. 07981 (1969).

Mechlin, George F., Jr., Ocean Research and Engineering Center, Westinghouse Electric Corpn., Pittsburgh, Pa. 15235 (1971).

Meindl, James D., Stanford University, Stanford, Calif. 94305 (1978).

Merchant, Dr. M. Eugene, Cincinnati Milacron Inc., 4701 Marburg Ave., Cincinnati, Ohio 45209.

Mettler, Dr. Ruben F., TRW Inc., 23555 Euclid Ave., Cleveland, O. 44117 (1965).

Metzger, Sidney, Communications Satellite Corporation, 950 L'Enfant Plaza, Washington, D.C. 20024 (1976).

Metzler, Dwight F., Kansas Dept. of Health and Environment, Forbes Field, Bldg. 740, Topeka, Kan. 66620 (1973).

Meyerand, Russell G., Jr., United Technologies Research Center, Silver Lane, East Hartford, Conn. 06108 (1978).

Michael, Harold L., Purdue University, West Lafayette, Ind. 47907.

Mickley, Harold S., Stauffer Chemical Co., Westport, Conn. 06880 (1978).

Millar, Dr. Gordon H., Deere & Co., Moline, Ill. 61265.

Miller, Dr. Otto N., 555 Market St., San Francisco, Calif. 94105 (1968).

Miller, Rene H., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1968).

Miller, Stewart E., Bell Laboratories, Crawford Hill Laboratory, Box 400, Holmdel, N.J. 07733 (1973).

Milliken, Frank R., Kennecott Copper Corpn., 161 East 42nd St., New York, N.Y. 10017.

Mills, G. Alexander, Energy Research & Development Admin., 20 Massachusetts Ave., N.W., Room 4103, Washington, D.C. 20545 (1977).

Mindlin, Dr. Raymond D., Columbia University, New York, N.Y. 10027 (1966).

Misch, Herbert L., Ford Motor Company, The American Road, Dearborn, Mich. 48121 (1976).

Mitchell, James K., Department of Civil Engineering, University of California, 440 Davis Hall, Berkeley, Calif. 94720 (1976).

Moeller, Dade W., School of Public Health, Harvard University, Boston, Mass. 02115 (1978).

Moll, John L., Hewlett-Packard Co., 1501 Page Mill Rd., Palo Alto, Calif. 94304 (1974).

Monteith, Dr. Alexander C., 630 Ocean Drive, Juno Beach, Fla. 33408 (winter); 27 Twining Lane, South Orleans, Mass. 02662 (summer) (1965).

Moore, Gordon E., Intel Corporation, 3065 Bowers Ave., Santa Clara, Calif. 95051 (1976).

Moore, John R., Actron Division of McDonnell Douglas Corpn., 700 Royal Oaks Drive, Monrovia, Calif. 91016 (1978).

Moore, William W., Dames & Moore, 500 Sansome St., San Francisco, Calif. 94111 (1978).

Morgan, James J., California Institute of Technology, Pasadena, Calif. 91125 (1978).

Morgan, Paul W., 822 Roslyn Ave., West Chester, Pa. 19380 (1977).

Morrow, Walter E., Lincoln Laboratory, M.I.T., P.O.B. 73, Lexington, Mass. 02173 (1978).

Morse, Richard S., 193 Winding River Rd., Wellesley, Mass. 02181 (1976).

Mueller, Dr. George E., System Development Corpn., 2500 Colorado Ave., Santa Monica, Calif. 90406 (1967).

Mueser, William H., Quarry Lane, Route 2, P.O.B. 52, Bedford Village, N.Y. 10506 (1978).

Mulligan, James H., Jr., School of Engineering, University of California, Irvine, Calif. 92664 (1974).

Mumma, Rear Adm. Albert G., U.S.N. (Ret.), 66 Minnisink Rd., Short Hills, N.J. 07078 (1976).

Murphy, Dr. Eugene F., 252 Seventh Ave., New York, N.Y. 10001 (1968).

Murray, Peter, Westinghouse Advanced Reactors Division, Westinghouse Electric Corporation, Madison, Pa. 15663 (1976).

Myers, Dale D., U.S. Dept. of Energy, 201 Old Executive Bldg., Washington, D.C. 20585 (1974).

Myers, Dr. Philip S., University of Wisconsin—Madison, 1500 Johnson Drive, Madison, Wis. 53706 (1973).

Nagel, Theodore J., American Electric Power Service Corpn., 2 Broadway, New York, N.Y. 10004 (1973).

Neumann, Gerhard, General Electric Company, 1000 Western Ave., Lynn, Mass. 01910 (1970).

Newman, Joseph H., Tishman Research Corpn., 666 Fifth Ave., New York, N.Y. 10019 (1973).

‡Newmark, Dr. Nathan M., University of Illinois, Urbana, Ill. 61801 (1964).

Nichols, Maj.-Gen. K. D., 16715 Thurston Rd., Dickerson, Md. 20753 (1968).

Noble, Dr. Daniel E., Motorola Inc., 3102 North 5th St., Phoenix, Ariz. 85018 (1968).

Noyce, Dr. Robert N., Intel Corpn., 3065 Bowers Ave., Santa Clara, Calif. 95051 (1969).

Oblad, Dr. Alex G., University of Utah, Salt Lake City, Utah 84112.

O'Brien, Morrough P., University of California, Richmond, Calif. 94802 (1969).

O'Connor, Donald J., Manhattan College, Manhattan College Parkway, Bronx, N.Y. 10471 (1978).

Okrent, David, University of California, Los Angeles, Calif. 90024 (1974).

Okun, Dr. Daniel A., School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514 (1973).

Old, Dr. Bruce S., 25 Acorn Park, Cambridge, Mass. 02140 (1968).

Oliver, Dr. Bernard M., 1501 Page Mill Road, Palo Alto, Calif. 94304 (1966).

Olsen, Kenneth H., Digital Equipment Corpn., 146 Main St., Maynard, Mass. 01754 (1977).

O'Neill, Eugene F., Transmission Terminals and Maintenance Division, Bell Laboratories, Holmdel, N.J. 07733 (1976).

O'Neill, Dr. Russell R., University of California, Los Angeles, Calif. 90024.

Ongerth, Henry J., Water Sanitation Section, California Department of Health, 2151 Berkeley Way, Berkeley, Calif. 94704 (1976).

Oppenheim, Antoni K., University of California, Berkeley, Calif. 94720 (1978).

Osborn, Dr. Elburt F., Carnegie Institution of Washington, 2801 Upton St., N.W., Washington, D.C. 20008 (1968).

Osterberg, Dr. Jorj O., Northwestern University, Evanston, Ill. 60201.

Ostrach, Simon, Case Western Reserve University, Cleveland, Ohio 44106 (1978).

Owen, Walter S., Dept. of Materials Science and Engineering, M.I.T., Room 8-309, Cambridge, Mass. 02139 (1977).

Packard, David, Hewlett-Packard Co., 1501 Page Mill Rd., Palo Alto, Calif. 94304 (1971).

Paige, Dr. Hilliard W., International Energy Assocs., Ltd., 2600 Virginia Ave., Suite 505, Washington, D.C. 20037 (1968).

Paine, Dr. Thomas O., Northrop Corpn., 1800 Century Park East, Century City, Los Angeles, Calif. 90067 (1973).

Palladino, Dr. Nunzio J., The Pennsylvania State University, University Park, Pa. 16802 (1967).

Parker, Earl R., University of California, Berkeley, Calif. 94720 (1960).

Parker, Herbert M., HMP Associates, Inc., 2030 Harris Ave., Richland, Wash. 99352 (1978).

Parker, Jack S., General Electric Company, 3135 Easton Turnpike, Fairfield, Conn. 06431 (1976).

Parker, Norman F., Varian Associates, 611 Hansen Way, Palo Alto, Calif. 94303 (1976).

Parks, Robert J., California Institute of Technology, 4800 Oak Grove Drive, Pasadena, Calif. 91103 (1973).

Parme, Alfred L., 6787 Avda. Andorra, La Jolla, Calif. 92307 (1974).

Pask, Dr. Joseph A., University of California, Hearst Mining Building, Berkeley, Calif. 94720.

Patel, C. Kumar N., Bell Telephone Laboratories, Murray Hill, N.J. 07974 (1978).

Paxton, Harold W., United States Steel Corpn., 600 Grant St., Pittsburgh, Pa. 15230 (1978).

Pearson, Dr. Gerald L., Stanford University, Stanford, Calif. 94305 (1968).

Peck, Dr. Ralph B., 1101 Warm Sands Drive, S.E., Albuquerque, New Mexico 87123 (1965).

Pederson, Donald O., University of California, Berkeley, Calif. 94720 (1974).

Pellini, William S., Mayflower Rd., P.O.B. 68, Carver, Mass. 02330 (1974).

Pennell, Maynard L., 1545 N.E. 143rd St., Seattle, Wash. 98125 (1968).

Penzien, Joseph, Dept. of Civil Engineering, University of California, Berkeley, Calif. 94720 (1977).

Perkins, Courtland D., National Academy of Engineering, 2101 Constitution Ave., N.W., Washington, D.C. 20418 (1969).

Perkins, Kendall, P.O.B. 516, St. Louis, Mo. 63108 (1970).

Perlis, Alan J., Dept. of Computer Science, Yale University, 10 Hillhouse Ave., New Haven, Conn. 06520 (1977).

Perry, William James, Office of the Secretary of Defense, The Pentagon, Room 3E-1006, Washington, D.C. 20301 (1970).

Peters, Dr. Max S., University of Colorado, Boulder, Colo. 80302 (1969).

Peterson, Dr. Allen M., Stanford University, Stanford, Calif. 94305 (1973).

Peterson, Dean F., Agency for International Development, Washington, D.C. 20523 (1974).

Peterson, Harold A., 121 West Calle Montana Jack, Green Valley, Ariz. 85614 (1978).

Petrone, Dr. Rocco A., National Center for Resource Recovery, Inc., 1211 Connecticut Ave., N.W., Suite 800, Washington, D.C. 20036.

Pettit, Dr. Joseph M., Georgia Institute of Technology, 225 North Ave., N.W., Atlanta, Ga. 30332 (1967).

Phillips, Gen. Samuel C., TRW Energy Products Group, 9841 Airport Blvd., Suite 1500, Los Angeles, Calif. 90045 (1971).

Phillips, Thomas L., Raytheon Company, Lexington, Mass. 02173 (1971).

‡Pickering, Dr. William H., California Institute of Technology, Pasadena, Calif. 91103 (1964).

Pierce, Dr. John R., California Institute of Technology, Pasadena, Calif. 91109 (1965).

Pigford, Robert L., Dept. of Chemical Engineering, University of Delaware, Newark, Del. 19711 (1971).

Pigford, Thomas H., Department of Nuclear Engineering, University of California, 4101 Etcheverry Hall, Berkeley, Calif. 94720 (1976).

Pikarsky, Milton, Regional Transportation Authority, P.O.B. 3858, Chicago, Ill. 60654 (1973).

Piore, Dr. Emanuel R., 115 Central Park West, New York, N.Y. 10023 (1966).

Plummer, James W., P.O.B. 504, Sunnyvale, Calif. 94086 (1978).

Plunkett, Robert, University of Minnesota, Minneapolis, Minn. 55455 (1974).

Poettman, Fred H., Marathon Oil Co., P.O.B. 269, Littleton, Colo. 80160 (1978).

Popov, Egor P., Department of Civil Engineering, University of California, 725 Davis Hall, Berkeley, Calif. 94720 (1976).

Potter, Dr. David S., General Motors Corpn., Technical Center, Warren, Mich. 48090 (1973).

Poundstone, William N., Consolidation Coal Co., Consol Plaza, 1800 Washington Rd., Pittsburgh, Pa. 15241 (1977).

Prager, Dr. William, Tgesa Tgampi, 7451 Savognin, Switzerland (1965).

Prater, C. Dwight, Mobil Research and Development Corpn., Paulsboro, N.J. 08066 (1977).

Pratt, Perry W., 296 Hollister Way West, Glastonbury, Conn. 06033 (1967).

Probstein, Ronald F., M.I.T., Room 3-246, Cambridge, Mass. 02139 (1977).

Promisel, Nathan E., 12519 Davan Drive, Silver Spring, Md. 20904 (1978).

Puckett, Dr. Allen E., Hughes Aircraft Company, Centinela and Teale Sts., Culver City, Calif. 90230 (1965).

Quate, Calvin Forrest, Stanford University, Stanford, Calif. 94305 (1970).

Quinn, John A., Dept. of Chemical and Biochemical Engineering, University of Pennsylvania, Philadelphia, Pa. 19104 (1978).

Rabinow, Jacob, National Bureau of Standards, U.S. Department of Commerce, Washington, D.C. 20234 (1976).

Rader, Louis Telemacus, University of Virginia, Charlottesville, Va. 22901 (1970).

Rajchman, Dr. Jan A., 268 Edgerstoune Rd., Princeton, N.J. 08540 (1966).

‡Ramo, Dr. Simon, TRW Inc., One Space Park, Redondo Beach, Calif. 90278 (1964).

Rand, Dr. William B. W., 34 Avon Rd., Kensington, Calif. 94707 (1973).

Rasmussen, Norman C., M.I.T., Room 24-102, Cambridge, Mass. 02139 (1977).

‡Raymond, Arthur E., 73 Oakmont Drive, Los Angeles, Calif. 90049 (1964).

Rechtin, Eberhardt, Hewlett-Packard Co., 1501 Page Mill Rd., Palo Alto, Calif. 94304 (1968).

Reed, Charles E., General Electric Co., Fairfield, Conn. 06431 (1969).

Reed, Eugene D., Sandia Laboratories, Room 245, Bldg. 802, Albuquerque, N.M. 87115 (1971).

Rees, Dr. Eberhard F. M., 3917 Panorama Drive, S.E., Huntsville, Ala. 35801 (1973).

Reese, Dr. Lymon C., University of Texas at Austin, 10. 338 Cockrell Hall, Austin, Tex. 78712.

Reichl, Eric H., Conoco Coal Development Co., Pa. 15129.

Reissner, Eric, Department of Applied Mechanics and Engineering Sciences, University of California, San Diego, La Jolla, Calif. 92093 (1976).

Reswick, James B., Surgical Services, Room 121-HB Building, Rancho Los Amigos Hospital, Downey, Calif. 90242 (1976).

Rice, Stephen O., Dept. of Applied Physics and Information Science, University of California, San Diego, La Jolla, Calif. 92093 (1977).

Richards, Robert Benjamin, General Electric Company, 310 De Guigne Drive, Mail Code S05, Sunnyvale, Calif. 94086 (1970).

Richart, Dr. Frank E., Jr., The University of Michigan, Ann Arbor, Mich. 48104 (1969).

Rickover, Adm. H. G., U.S.N., U.S. Atomic Energy Commission, Washington, D.C. 20545 (1967).

Roberts, George A., Teledyne, Inc., 1901 Ave. of the Stars, Los Angeles, Calif. 90067 (1978).

Roberts, Lawrence G., Telenet Communications Corpn., 1050 17th St., N.W., Suite 850, Washington, D.C. 20036 (1978).

Robertson, Leslie E., Skilling, Helle, Christiansen, Robertson, 230 Park Ave., 1216, New York, N.Y. 10017.

Robinson, Denis Morrell, High Voltage Engineering Corporation, Burlington, Mass. 01803 (1970).

Roddis, Louis H., Jr., 110 Broad St., Charleston, S.C. 29401 (1967).

Roe, Kenneth A., Burns and Roe, Inc., 550 Kinderkamack Rd., Oradell, N.J. 07649 (1978).

Rohlich, Gerard Addison, University of Texas, Austin, Tex. 78712 (1970).

Rohsenhow, Dr. Warren M., M.I.T., Room 3156, Cambridge, Mass. 02139.

Root, Dr. L. Eugene, 1340 Hillview Drive, Menlo Park, Calif. 94025 (1965).

Rose, Albert, Boston University, Boston, Mass. 02215 (1975).

Rosen, Dr. Harold A., Hughes Aircraft Co., P.O.B. 92919, Airport Station, Los Angeles, Calif. 90009 (1973).

Rosenbaum, Joe B., 1149 Mercedes Way, Salt Lake City, Utah 84108 (1973).

Rosenberg, Paul, Paul Rosenberg Associates, 330 Fifth Ave., Pelham, N.Y. 10803 (1970).

Rosenblith, Dr. Walter A., M.I.T., 77 Massachusetts Ave., Room 3-240, Cambridge, Mass. 02139 (1973).

Roshko, Anatol, California Institute of Technology, Mail Code 105-50, Pasadena, Calif. 91125 (1978).

Ross, Dr. Ian M., Bell Laboratories, Murray Hill, N.J. 07974 (1973).

Ross, Philip N., P.O.B. 336, Irvington, Va. 22480 (1968).

Rouse, Dr. Hunter, 10814 Mimosa Drive, Sun City, Ariz. 80523 (1966).

Rowand, Will H., P.O.B. 6485, Litchfield Park, Ariz. 85340 (1968).

Rowe, Joseph E., Case Institute of Technology, Case Western Reserve University, 10900 Euclid Ave., Crawford Hall, Cleveland, Ohio 44106 (1977).

Roy, Dr. Rustum, Pennsylvania State University, 202 Materials Research Laboratory, University Park, Pa. 16802 (1973).

Rudd, Dale F., University of Wisconsin-Madison, Madison, Wis. 537056 (1978).

Rummel, Robert W., Rummel Associates Inc., 908 South Power Rd., Mesa, Ariz. 85206 (1973).

Russell, Allen S., Aluminium Co. of America, 1501 Alcoa Building, Pittsburgh, Pa. 15219 (1976).

Rutledge, Dr. Philip C., 81 Heritage Hill Rd., New Canaan, Conn. 06840 (1968).

Saffer, Alfred, Oxirane International, 120 Alexander St., Princeton, N.J. 08540 (1978).

Sammet, Jean, IBM Corpn., 545 Technology Square, Cambridge, Mass. 02139 (1977).

Saville, Thorndike, Jr., Coastal Engineering Research Center, Kingman Bldg., Fort Belvoir, Va. 22060 (1977).

SCHADE, HENRY A., 88 Norwood Ave., Kensington, Calif. 94707 (1973).
SCHADE, OTTO H., Sr., 32 Francisco Ave., West Caldwell, N.J. 07006 (1977).
SCHAIRER, GEORGE S., Boeing Co., P.O.B. 3999, Seattle, Wash. 98124 (1967).
SCHECHTER, ROBERT S., Department of Petroleum Engineering, University of Texas at Austin, Austin, Tex. 78712 (1976).
SCHMITT, ROLAND W., General Electric Research and Development Center, P.O.B. 8, Schenectady, N.Y. 12301 (1978).
SCHRIEVER, Gen. BERNARD A., U.S.A.F., Schriever & McKee Inc., 1025 Connecticut Ave., N.W., Washington, D.C. 20036 (1967).
SCHUHMANN, REINHARDT, Jr., School of Materials Engineering, Purdue University, West Lafayette, Ind. 97907 (1976.)
SCHWAN, Dr. HERMAN P., University of Pennsylvania, Philadelphia, Pa. 19174.
SCISSON, SIDNEY E., Fenix & Scisson Inc., P.O.B. 15609, Tulsa, Okla. 74112 (1977).
SCORDELIS, ALEXANDER C., University of California, 729 Davis Hall, Berkeley, Calif. 94720 (1978).
SCOTT, RONALD F., California Institute of Technology, Pasadena, Calif. 91109 (1974).
SCRIVEN, L. E., University of Minnesota, Minneapolis, Minn. 55455 (1978).
SEAMANS, ROBERT C., Jr., M.I.T., 77 Massachusetts Ave., Room 1-206, Cambridge, Mass. 02139 (1968).
SEARS, WILLIAM R., University of Arizona, Tucson, Ariz. 85721 (1968).
SEBAN, RALPH A., University of California, Berkeley, Calif. 94720 (1978).
SEED, HARRY BOLTON, University of California, Berkeley, Calif. 94720 (1970).
SEVERUD, FRED N., 415 Lexington Avenue, New York, N.Y. 10017 (1968).
SHAPIRO, ASCHER H., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1974).
SHAW, Dr. MILTON C., Arizona State University, Room ECG-247, Tempe, Ariz. 85281 (1968).
SHEA, JOSEPH F., Raytheon Company, 141 Spring St., Lexington, Mass. 02173 (1971).
SHEA, Dr. TIMOTHY E., 92 Pine Grove Avenue, Summit, N.J. 07901 (1967).
SHEETS, Dr. HERMAN E., University of Rhode Island, Kingston, R.I. 02881 (1967).
SHEPHERD, MARK, Jr., Texas Instruments Inc., 13500 North Central Expressway, Dallas, Tex. 75222 (1970).
SHEPHERD, Dr. WILLIAM G., University of Minnesota, Minneapolis, Minn. 55455 (1969).
SHINOZUKA, MASANOBU, Columbia University, New York, N.Y. 10027 (1978).
SHOUPP, Dr. WILLIAM E., 343 Maple Ave., Pittsburgh, Pa. 15218 (1967).
SIEGMAN, Dr. ANTHONY E., Stanford University, Stanford, Calif. 94305 (1973).
SIESS, Dr. CHESTER P., University of Illinois, Urbana, Ill. 61801 (1967).
SILVERSTEIN, Dr. ABE, 21160 Seabury Ave., Fairview Park, O. 44126 (1967).
SIMPSON, JOHN W., 2055 Outlook Drive, Pittsburgh, Pa. 15241 (1966).
SINCLAIR, Dr. DONALD B., 250 Beacon St., Boston, Mass. 02116 (1965).
SINFELT, Dr. JOHN H., Exxon Research and Engineering Co., P.O.B. 45, Linden, N.J. 07036.
SJOBERG, SIGURD A., Lyndon B. Johnson Space Center, NASA, Houston, Tex. 77058 (1974).
SKILLING, JOHN B., 2200 The Financial Center, 1215 Fourth Ave., Seattle, Wash. 98161 (1965).
SKROMME, LAWRENCE H., Sperry New Holland, New Holland, Pa. 17557 (1978).
SLEPIAN, DAVID, Mathematical Studies Dept., Bell Laboratories, Murray Hill, N.J. 07974 (1976).
SLICHTER, WILLIAM P., Materials Science and Engineering Division, Bell Laboratories, Murray Hill, N.J. 07974 (1976).
SLIEPCEVICH, CEDOMIR M., University of Oklahoma, Norman, Okla. 73069 (1972).
SMELT, RONALD, Lockheed Aircraft Corporation, Burbank, Calif. 91520 (1971).
SMITH, Dr. JOE M., University of California, Davis, Calif. 95616.
SMITH, Rear Adm. LEVERING, U.S.N. (Ret.), 1462 Waggaman Circle, McLean, Va. 22101 (1965).
SMITH, Dr. MARK K., P.O.B. 189, Norwich, Conn. 05055 (1967).
SMITH, ROBERT L., University of Kansas, Lawrence, Kansas 66045.
SMITH, Dr. WILBUR S., 4500 Jackson Blvd., Columbia, S.C. 29209 (1968).
SMULLIN, LOUIS DIJOUR, Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1970).
SODERBERG, C. RICHARD, 100 Memorial Drive, Cambridge, Mass. 02142 (1974).
SOLOMON, Dr. GEORGE E., TRW Inc., One Space Park, Redondo Beach, Calif. 90278 (1967).
SOZEN, METE AVNI, University of Illinois at Urbana-Champaign, 3112 Civil Engineering Bldg., Urbana, Ill. 61801 (1977).
SPAGHT, Dr. MONROE E., Royal Dutch Petroleum Co., Shell Centre, London, SE1 7NA, England (1969).
SPARKS, Dr. MORGAN, Sandia Laboratories, Albuquerque, N.M. 87115 (1973).
SQUIRES, ARTHUR M., Virginia Polytechnic Institute and State University, Blacksburg, Va. 24061 (1977).
SQUIRES, LOMBARD, 939 Nelsons Walk, Naples, Fla. 33940 (1967).
STAEHLE, ROGER W., Ohio State University, 116 West 19th Ave., Columbus, Ohio 43210 (1978).
STARBIRD, Lt.-Gen. ALFRED D. (retd.), 7208 Regent Drive, Alexandria, Va. 22307 (1973).
STARR, Dr. CHAUNCEY, Electric Power Research Institute, 3412 Hillview Ave., Palo Alto, Calif. 94304 (1965).
STARR, EUGENE C., Bonneville Power Administration, P.O.B. 3621-E1C, Portland, Ore. 97208 (1977).
STEINBERG, MORRIS A., Lockheed Aircraft Corpn., P.O.B. 551, Burbank, Calif. 91520 (1977).
STEINER, JOHN E., The Boeing Co., P.O.B. 3707, MS 10-17, Seattle, Wash. 98124 (1978).
STERN, ARTHUR C., School of Public Health, University of North Carolina, Chapel Hill, N.C. 27514 (1976).
STERNBERG, Dr. ELI, California Institute of Technology, Pasadena, Calif. 91125.
STEVER, Dr. H. GUYFORD, 1528 33rd St., N.W., Washington, D.C. 20007 (1965).
STEWART, ROBERT E., Texas A. & M. University, College Station, Texas 77843 (1978).
STOOKEY, STANLEY D., Corning Glass Works, Corning, N.Y. 14830 (1977).
STRAITON, ARCHIE W., University of Texas at Austin, Austin, Tex. 78712 (1976).
‡STRATTON, Dr. JULIUS A., Massachusetts Institute of Technology, Cambridge, Mass. 02139 (1964).
‡SUITS, Dr. C. GUY, "Crosswinds", Pilot Knob, N.Y. 12844 (1964).
SUOMI, Dr. VERNER E., The University of Wisconsin, Madison, Wis. 53706 (1966).
SUTHERLAND, Dr. IVAN E., California Institute of Technology, 256-80, Pasadena, Calif. 91125 (1973).
SWABB, LAWRENCE E., Jr., Exxon Research & Engineering Co., P.O.B. 101, Florham Park, N.J. 07932 (1977).
SWEARINGEN, JOHN E., Jr., Standard Oil Co. (Indiana), 200 East Randolph Drive, Chicago, Ill. 60601 (1969).
SWEARINGEN, JUDSON S., Rotoflow Corpn., 2235 Carmelina Ave., Los Angeles, Calif. 90064 (1977).
SWENSON, GEORGE W., Jr., University of Illinois at Urbana-Champaign, Urbana, Ill. 61801 (1978).
SWERLING, PETER, 2811 Wilshire Blvd., Santa Monica, Calif. 90403 (1978).
SZE, MORGAN C., Engineering Development Center, Lummus Company, 1515 Broad St., Bloomfield, N.J. 07003 (1976).
TANENBAUM, MORRIS, American Telephone and Telegraph Co., 295 North Maple Ave., Basking Ridge, N.J. 07920 (1972).
TATLOW, RICHARD H., III, 630 Third Avenue, New York, N.Y. 10017 (1967).
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TEDESKO, Dr. ANTON, 26 Brookside Circle, Bronxville, N.Y. 10708 (1967).
TENENBAUM, MICHAEL, Inland Steel Co., 30 West Monroe St., Chicago, Ill. 60603 (1974).
‡TERMAN, Dr. FREDERICK E., Stanford University, Stanford, Calif. 14305 (1964).
‡THOMAS, CHARLES A., 7701 Forsyth Blvd., St. Louis, Mo. 63105 (1964).
THOMAS, HAROLD A., Jr., Harvard University, 120 Pierce Hall, Cambridge, Mass. 02138 (1976).
THON, J. GEORGE, 465 Barbara Way, Hillsborough, Calif. 94010.
THURLIMANN, BRUNO, Pfannenstiel Strasse 56, 8132 Egg (ZH), Switzerland (1978).
TIEN, CHANG-LIN, Department of Mechanical Engineering, University of California, Berkeley, Calif. 94720 (1976).
TIEN, Dr. PING KING, Bell Laboratories, Holmdel, N.J. 07733.
TILLINGHAST, JOHN A., American Electric Power Service Corpn., 2 Broadway, New York, N.Y. 10004 (1974).

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Tribus, Dr. Myron, M.I.T., Room 9-215, Cambridge, Mass. 02139 (1973).

Trump, John G., M.I.T., High Voltage Research Laboratory, Bldg. N-10, Cambridge, Mass. 02139 (1977).

Truxal, Dr. John G., State University of New York, Stony Brook, N.Y. 10017 (1965).

Turner, Dr. Howard S., Turner Construction Co., 150 East 42nd St., New York, N.Y. 10017 (1973).

Van Der Ziel, Aldert, 139 Electrical Engineering Building, University of Minnesota, 123 Church St., Minneapolis, Minn. 55455 (1978).

Van Dyke, Milton, Stanford University, Durand Building, Stanford, Calif. 94305 (1976).

Van Valkenburg, Dr. Mac E., University of Illinois, Urbana, Ill. 61801 (1973).

Vanoni, Vito, California Institute of Technology, Pasadena, Calif. 91125 (1977).

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von Gierke, Henning E., Aerospace Medical Research Laboratory/BB, Wright Patterson Air Force Base, Ohio 45433 (1976).

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Wachtman, John B., Jr., Inorganic Materials Division, National Bureau of Standards, U.S. Department of Commerce, Washington, D.C. 20234 (1976).

Wagner, Aubrey J., 201 Whittington Drive, Knoxville, Tenn. 37919 (1973).

Wagner, Harvey Arthur, 1300 Washington Blvd. Bldg., Detroit, Mich. 48226 (1970).

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Wenk, Dr. Edward, Jr., University of Washington, Seattle, Wash. 98195 (1969).

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Wertheim, Rear-Adm. Robert H., U.S. Dept. of the Navy, Washington, D.C. 20376 (1977).

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Weston, Roy F., Roy F. Weston Inc., Weston Way, West Chester, Pa. 19280 (1976).

Westwater, James W., University of Illinois, Urbana, Ill. 61801 (1974).

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Whitcomb, Richard T., Transonic Aerodynamics Branch, Langley Research Center, NASA, Hampton, Va. 23665 (1976).

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White, Dr. Robert M., National Research Council, 2101 Constitution Ave., N.W., Washington, D.C. 20418 (1968).

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Widmer, Robert, General Dynamics Corpn., Pierre Laclede Center, St. Louis, Mo. 63105 (1977).

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Wilson, Thornton A., Boeing Co., P.O.B. 3707, Seattle, Wash. 98124 (1974).

Winter, George, Cornell University, Ithaca, N.Y. 14850 (1097).

Woll, Edward, Aircraft Engine Business Group, General Electric Co., 1000 Western Ave., Lynn, Mass. 01910 (1977).

Wolman, Dr. Abel, The Johns Hopkins University, Baltimore, Md. 21218 (1965).

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Woodson, Dr. Herbert H., University of Texas at Austin, Engineering Science Building 236, Austin, Tex. 78712.

Woodward, Richard L., Camp Dresser & McKee Inc., One Center Plaza, Boston, Mass. 02108 (1977).

Wooldridge, Dean E., 4545 Via Esperanza, Santa Barbara, Calif. 93110 (1977).

Yardley, John F., NASA, Washington, D.C. 20546 (1977).

Yariv, Amnon, California Institute of Technology, Mail Stop 116-81, Pasadena, Calif. 91125 (1976).

Yee, Alfred A., Alfred A. Yee and Associates, Inc., Suite 810, 1441 Jaouikabu Boulevard, Honolulu, Hawaii 96814 (1976).

Young, Dr. James F., General Electric Co., 3135 Easton Turnpike, Fairfield, Conn. 06431 (1967).

Zadeh, Dr. Lotfi A., University of California, Berkeley, Calif. 94720 (1973).

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Connecticut Academy of Arts and Sciences: Drawer 93A, Yale Station, New Haven, Conn. 06520; f. 1799; 300 mems.; library merged with Yale University Library; Pres. Asger H. Aaboe; Sec. Dorothea Rudnick; publs. *Transactions*, *Memoirs* (both irregular).

Maryland Academy of Sciences: 119 South Howard St., Baltimore, Md. 21201; f. 1797, as an educational and scientific institution, and for the diffusion and explanation of scientific information to the public; 2,000 mems.; Chair. J. Cookman Boyd, Jr.; Pres. Robert P. Rich; Dir. Dr. Robert E. Murphy; publs. *Monthly Newsletter*, *Graphic Timetable of the Heavens*, *Bulletins* by the Archeology Society of Maryland, Baltimore Astronomical Society and Baltimore Mineral Society, Behavioral Sciences Society of Maryland, National History Society of Maryland.

New York Academy of Sciences: 2 East 63rd St., New York, N.Y. 10021; f. 1817; 27,000 mems.; Pres. Charlotte Friend; Vice-Pres. Lucie Saunders (Behavioral Sciences), Craig Burrell (Biological Sciences), John Happel (Engineering Sciences), Heinz Pagels (Physical Sciences), Dorothy Cunningham (Interdisciplinary Sciences); Exec. Dir. Sidney Borowitz; Admin. Dir. Joseph E. Cassata; Section Chairs. May M. Ebihara (Anthropology), Robert Leifer (Atmospheric Sciences), Mary J. Mycek (Biochemistry), Norton B. Gilula (Biological Sciences), Arthur D. Flanagan (Biomedical Sciences), Robert Bittman (Biophysics), William Moser (Catalysis), Rangaswamy Srinivasan (Chemical Sciences), Joseph Frechen (Computer and Information Sciences), Paul N. Cheremisinoff (Engineering), Theodore J. Kneip (Environmental Sciences), Somdev Bhattacharji (Geological Sciences), Bruce Chandler (History and Philosophy and Ethical Issues of Science and Technology), June N. Barker (Instrumentation), Rosamond R. Gianutsos (Linguistics), Paul R. Meyer (Mathematics), Gennaro J. Miraglia (Microbiology), Bernard J. Bulkin (Organometallic Chemistry), Peter Levy (Physical Sciences), Herbert Reimschuessel (Polymer Science), Florence Denmark (Psychology), Evelyn A. Mauss (Science and Public Policy); publs. *Annals*, *The Sciences*.

Ohio Academy of Science: 445 King Ave., Columbus, Ohio 43201; f. 1891; 2,000 mems.; Pres. Charles M. Vaughn; Exec. Officer Lynn Edward Elfner; publs. *The Ohio Journal of Science: Ohio Academy of Science News*, *Oasis*.

Southern California Academy of Sciences: c/o Natural History Museum of Los Angeles County, 900 Exposition Blvd., Los Angeles, Calif. 90007; f. 1891; 450 mems.; library of 6,000 vols.; Pres. Dr. George Callison; Sec. Dr. Richard E. Pieper; publs. *Bulletin* (3 issues annually), *Memoirs* (irregularly).

For medical academies, ***see under*** Medicine.

LEARNED SOCIETIES

GENERAL

AMERICAN PHILOSOPHICAL SOCIETY

(Held at Philadelphia for Promoting Useful Knowledge)
104 AND 105 SOUTH FIFTH ST.,
PHILADELPHIA, PA. 19106
Founded 1743.

The American Philosophical Society, the oldest learned society in the United States, was founded by Benjamin Franklin. Members (500 U.S. citizens and 100 foreign) are elected by the Society on the basis of distinction in any field of learning. There are five classes of membership: exact sciences, natural sciences, social sciences, humanities and members at large. The Society meets twice a year (April, November) for symposia, lectures and the reading of papers. It makes grants for research, conducts a distinguished library rich in historical MSS., chiefly relating to the history of science in America (*see* Special Libraries), and awards prizes including the Magellanic Premium, the oldest American scientific award. The Society owns two buildings: Philosophical Hall (1789, a National Historical Landmark) and Library Hall. Both buildings contain numerous valuable portraits (paintings and statuary) of distinguished former members.

President: Jonathan Rhoads, M.D., D.Med.Sci., Litt.D., LL.D.

Executive Officer: Whitfield J. Bell, Jr., Ph.D.

Publications: *Transactions*†, *Proceedings*†, individual monographs (*Memoirs*), *Year Book*†.

National Foundation on the Arts and the Humanities: Washington, D.C. 20506; f. 1965 as an independent agency in the Executive Branch of Government to develop and promote a broadly conceived national policy of support for the humanities and the arts in the United States. It is composed of:

National Endowment for the Arts: f. 1965 to establish and carry out a programme of grants-in-aid to non-profit groups, individuals of exceptional talent and state art agencies, which will promote progress in the arts; Chair. Nancy Hanks.

National Endowment for the Humanities: f. 1965 to establish and carry out a programme of grants-in-aid to institutions and individuals which will promote progress and scholarship in the humanities; Chair. Dr. Ronald Berman.

National Council on the Arts: appointed 1964, advises the Chairman of the National Endowment for the Arts on policies, programmes and procedures and reviews applications for financial assistance; 26 private citizen members appointed by the President for six-year terms (approx. one-third of the appointments expire every two years); Chair. of Council is Chair. of the Arts Endowment.

National Council on the Humanities: appointed 1966, advises the Chairman of the National Endowment for the Humanities on policies, programmes and procedures and reviews applications for financial assistance; 26 private citizen mems. appointed by the President for six-year terms (approx. one-third of the appointments expire every two years); Chair. of Council is Chair. of the Humanities Endowment.

Federal Council on the Arts and the Humanities: f. 1965 to co-ordinate the activities of the two Endowments with related Federal agencies; mems. include the Chairmen of the two Endowments; the Commissioner, Office of Education, Dept. of Health, Education and Welfare; the Secretary of the Smithsonian Institution; the Director of the National Science Foundation; the Librarian of Congress; the Director of the National Gallery of

Art; the Chairman of the Commission of Fine Arts; The Archivist of the United States; Asst. Secretary for Educational and Cultural Affairs, Dept. of State; Director, National Park Service, Dept. of the Interior; Commissioner, Public Buildings Service, General Services Administration; Exec. Secretary, Senate Commission on Arts and Antiquities; a member of the House of Representatives.

SMITHSONIAN INSTITUTION

1000 JEFFERSON DRIVE, S.W.,
WASHINGTON, D.C. 20560
Founded 1846.

For the "increase and diffusion of knowledge among men" by bequest of James Smithson.

Chancellor: Warren E. Burger, Chief Justice of the United States.

Secretary (Presiding Officer): S. Dillon Ripley, B.A., PH.D.

Director, Smithsonian Institution Libraries: Jean Chandler Smith, M.L.S. (acting).

Library of 950,500 vols.

Publications: *Smithsonian Year, Smithsonian Contributions to Astrophysics, Smithsonian Studies in Air and Space, Smithsonian Contributions to Anthropology, Smithsonian Contributions to Botany, Smithsonian Contributions to the Earth Sciences, Smithsonian Contributions to the Marine Sciences, Smithsonian Contributions to Paleobiology, Smithsonian Contributions to Zoology, Smithsonian Studies in History and Technology, Freer Gallery of Art Oriental Studies, Freer Gallery of Art Occasional Papers, Ars Orientalis,* also exhibit catalogues, pamphlets, occasional books and special publications.

The Establishment:

President of the United States, Vice-President of the United States, Chief Justice of the United States, Secretary of State, Secretary of the Treasury, Secretary of Defense, Attorney General, Secretary of the Interior, Secretary of Agriculture, Secretary of Commerce, Secretary of Labor, Secretary of Health, Education and Welfare, Secretary of Housing and Urban Development, Secretary of Transportation, Secretary of Energy.

Board of Regents:

Warren E. Burger (Chief Justice of the United States) (Chancellor), Walter F. Mondale (The Vice-President of the United States), Henry M. Jackson (Member of the Senate), Barry Goldwater (Member of the Senate), Robert B. Morgan (Member of the Senate), Elford A. Cederberg (Member of the House of Representatives), George H. Mahon (Member of the House of Representatives), Leo J. Ryan (Member of the House of Representatives), Anne Armstrong, John Paul Austin, John N. Brown, William A. M. Burden, Murray Gell-Mann, Caryl P. Haskins, A. Leon Higginbotham, Jr., Thomas J. Watson, Jr., James E. Webb (Citizen Members).

Executive Committee of the Board of Regents:

Warren E. Burger (Chancellor), James E. Webb (Chair.), Caryl P. Haskins, William A. M. Burden, S. Dillon Ripley (Sec.).

BUREAUX UNDER THE ADMINISTRATION OF THE SMITHSONIAN INSTITUTION

(*see* also under relevant sections)

Archives of American Art: Dir. W. E. Woolfenden, M.A.

Center for the Study of Man: Dir. P. M. Kier, PH.D., SC.D.

Chesapeake Bay Center for Environmental Studies: Dir. J. K. Sullivan, M.S., PH.D.

Cooper-Hewitt Museum of Design and Decorative Arts: Dir. Mrs. Lisa Taylor.

Fort Pierce (Florida) Bureau: Dir. (vacant).

Freer Gallery of Art: Dir. T. Lawton, M.A., PH.D.

International Exchange Service: Dir. J. Estes.

Hirshhorn Museum and Sculpture Garden: Dir. A. Lerner, B.A.

National Air and Space Museum: Dir. M. B. Zisfein, M.S. (acting).

National Armed Forces Museum Advisory Board: Exec. Sec. J. S. Hutchins, B.S.

National Collection of Fine Arts: Dir. J. C. Taylor, M.A., M.F.A., PH.D.

National Museum of History and Technology: Dir. O. Mayr, DR.RER.NAT. (acting).

National Museum of Natural History: Dir. P. M. Kier, M.S., PH.D., SC.D.

National Portrait Gallery: Dir. M. S. Sadik, M.A.

National Zoological Park: Dir. T. H. Reed, D.V.M.

Radiation Biology Laboratory: Dir. W. H. Klein, PH.D.

Smithsonian Science Information Exchange, Inc.: Pres. David F. Hersey, M.S., PH.D.

Smithsonian Astrophysical Observatory: Dir. G. B. Field, PH.D.

Smithsonian Tropical Research Institute: Balboa, Panama; Dir. I. Rubinoff, M.A., PH.D.

The following bureaux are separately administered:

John F. Kennedy Center for the Performing Arts: Chair. R. L. Stevens, D.H.L., LL.D.

National Gallery of Art: Dir. J. Carter Brown, M.B.A., M.A., LL.D.

Woodrow Wilson International Center for Scholars: Dir. J. H. Billington, D.PHIL.

Agriculture and Veterinary Science

Agricultural History Society: Business Office: Economics, Statistics and Research Service, Room 146, 500 12th St., S.W., Washington, D.C. 20250; f. 1919 to stimulate interest in, promote the study of, and facilitate research and publication on the history of agriculture; incorporated 1924 as a non-profit organization; Pres. William N. Parker; Sec. Wayne D. Rasmussen; publ. *Agricultural History* (quarterly, f. 1927).

American Dairy Science Association: 113 N. Neil St., Champaign, Ill. 61820; 2,145 mems., 693 affiliated mems.; Pres. R. P. Niedermeier; Exec. Sec. C. J. Cruse; publ. *Journal of Dairy Science* (monthly).

American Forestry Association: 1319 18th St., N.W., Washington, D.C. 20036; f. 1875; 80,000 mems.; Exec. Vice-Pres. William E. Towell.

American Horticultural Society, The: Mount Vernon, Va. 22121; f. 1922 to promote horticulture in all its branches; 35,000 mems.; Exec. Vice-Pres. T. W. Richards; publs. *The American Horticulturalist, News and Views* (every 2 months).

American Society for Horticultural Science: National Center for American Horticulture, Mount Vernon, Va. 22121; f. 1903; 3,700 mems.; field of activities, to promote and encourage scientific research and education in all branches of horticulture; Dir. Cecil Blackwell; publs. *Hortscience* (bi-monthly), *Journal of the American Society for Horticultural Science* (bi-monthly).

American Society of Agronomy: 677 South Segoe Rd., Madison, Wis. 53711; f. 1907; 8,100 mems.; Exec. Vice-Pres. Matthias Stelly; publs. *Agronomy Journal* (bi-monthly), *Crops and Soils* (9 a year), *Agronomy Monographs, Agronomy News* (bi-monthly), *Agronomy Abstracts* (annually), *ASA Special Publication Series, Journal of Environmental Quality* (quarterly), *Journal of Agronomic Education* (annually).

American Society of Animal Science: c/o Claude J. Cruse, Business Manager, 311 Illinois Building, 113 North Neil St., Champaign, Ill. 61820; to promote development of sciences beneficial to animal production; 4,500 mems.; Pres. Dr. T. J. Marlowe; Pres.-Elect Dr. T. B. King; Sec.-Treas. Dr. C. J. Kercher; publ. *Journal of Animal Science* (monthly).

American Veterinary Medical Association: 930 North Meacham Rd., Schaumburg, Ill. 60196; f. 1863; 29,031 mems.; Exec. Vice-Pres. Dr. D. A. Price; publs. *Journal of the A.V.M.A.* (fortnightly) and *American Journal of Veterinary Research* (monthly).

Poultry Science Association Inc.: Business Man. Claude Cruse, Room 311, Illinois Bldg., 113 North Neil St., Champaign, Ill. 61820.

Society for Range Management: 2760 West Fifth Ave., Denver, Colo. 80204; f. 1948 to develop understanding of range ecosystems and of the principles applicable to the management of range resources: 5,500 mems. worldwide; Exec. Sec. David A. Smith; publs. *Journal of Range Management* (bi-monthly) and *Rangeman's Journal* (bi-monthly).

Society of American Foresters: 1010 16th St., N.W., Washington, D.C. 20036; f. 1900; 19,000 mems.; Pres. John A. Beale; Exec. Vice-Pres. Hardin R. Glascock, Jr.; publs. *Journal of Forestry* (monthly), *Forest Science* (quarterly).

Soil Science Society of America: f. 1936; 4,200 mems.; associated with the American Society of Agronomy; Sec. Dr. Matthias Stelly, 677 South Segoe Rd., Madison, Wis. 53711; publ. *Soil Science Society of America Journal* (bi-monthly).

Architecture and Town Planning

American Institute of Architects: 1735 New York Ave., N.W., Washington, D.C. 20006; f. 1857; 27,000 mems.; library of 19,000 vols.; Exec. Vice-Pres. David Olan Meeker, Jr.; publs. *AIA Journal, Memo.*

American Institute of Planners: 1776 Massachusetts Ave., N.W., Washington, D.C. 20036; f. 1917; 11,000 mems.; Exec. Dir. John E. Hirten, A.I.P.; the national professional society for urban planners in the U.S.A.; publs. *Journal of the American Institute of Planners* (quarterly), *AIP News* (8 a year), *Practicing Planner* (quarterly).

American Society of Landscape Architects, Inc.: 1900 M St., N.W., Suite 750, Washington, D.C. 20036; f. 1899, inc. 1916 as a professional association; 4,500 mems. and affiliates; Exec. Dir. Edward H. Able, Jr.; publs. *Landscape Architectural News Digest* (monthly), *Landscape Architecture* (quarterly).

National Trust for Historic Preservation: 748 Jackson Place, N.W., Washington, D.C. 20006; f. 1949; to encourage preservation and to maintain sites and buildings of national historic interest; Pres. J. Biddle; Exec. Vice-Pres. Lawson B. Knott; publs. *Preservation News* (monthly), *Historic Preservation* (quarterly).

Society of Architectural Historians: 1700 Walnut St., Room 716, Philadelphia, Pa. 19103; f. 1940; 4,200 mems.; Pres. Adolf K. Placzek; Sec. David T. van Zanten; Exec. Sec. Mrs. Rosann S. Berry; publs. *Journal* (quarterly), *Newsletter* (6 times a year).

The Arts

American Musicological Society: 201 South 34th St., Philadelphia, Pa. 19104; f. 1934; 3,000 mems.; Pres. James Haar; Sec. Rita Benton; publs. *Journal* (3 issues a year) and *Newsletter* (twice a year).

American Society for Aesthetics: Cleveland Museum of Art, Cleveland, Ohio 44106; f. 1942; 800 mems.; Sec.-Treas. James R. Johnson; publ. *Journal of Aesthetics and Art Criticism* (quarterly).

Archives of American Art: Smithsonian Institution, 41 East 65th St., New York, N.Y. 10021; Processing and Reference Centre: FA-PG Bldg., Smithsonian Institution, Washington, D.C. 20560; f. 1954; documents relating to American art in the original and on microfilm; approx. 4,000,000 items; Dir. William E. Woolfenden; Archivist Garnett McCoy; publ. *Journal* (quarterly).

American Society of Composers, Authors and Publishers (ASCAP): 1 Lincoln Plaza, New York, N.Y. 10023; f. 1914; issues licences for public performance of members' copyright works; mems.: 16,720 authors and composers, 5,341 publishers; a non-profit-making society; Pres. Stanley Adams.

Center for Creative Photography: University of Arizona, 843 East University Blvd., Tucson, Ariz. 85719; f. 1975; a unique resource for the study and history of photography; extensive collection of prints and other materials related to the life and works of 20th-century photographers comprises a computer-catalogued archive; houses the life-time archives of Ansel Adams, Wynn Bullock, Harry Callahan, Aaron Siskind, Frederick Sommer and W. Eugene Smith; open to the public; library of 3,000 vols.; Dir. James L. Enyeart; publ. *Center for Creative Photography* (research publ., *c.* 5 a year).

Fine Arts Federation of New York: 115 East 40th St., New York 16, N.Y.; f. 1895 to ensure united action by the Art Societies of New York in all matters affecting their common interests; mems. are 16 leading professional societies of architecture, painting, sculpture, landscape architecture, etc.; 98 delegate mems.; Pres. William F. R. Ballard; Sec. Katherine Thayer Hobson.

Graphic Arts Technical Foundation, Inc.: 4615 Forbes Ave., Pittsburgh, Pa. 15213; f. 1924; 3,100 mems.; library of over 2,500 vols.; non-profit scientific, technical and educational organization serving the international graphic communications community; conducts technical seminars and workshops on various aspects of graphic communications; Pres. William J. Mariner; Exec. Dir. Gilbert W. Bassett; publs. *Graphic Arts Abstracts* (monthly), *Capsule Report* (10 a year), *International News* (10 a year), *Health and Safety News*, *Environmental Control Report* (quarterly), *Education Report* (2 a year), technical services and research project reports, techno-economic forecasts, quality control devices and audio-visuals.

Hispanic Society of America: Broadway between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; 400 mems.; professional research staff; reference library and museum; Pres. A. Hyatt Mayor; Dir. Theodore S. Beardsley, Jr.; numerous publs.

National Academy of Design: 1083 Fifth Ave., New York 28, N.Y.; f. 1825; membership composed exclusively of artists, divided into two groups, Associates and Academicians; sections: painting, sculpture, water colour, graphic arts, architecture; Pres. Robert S. Hutchins, N.A.; Corresp. Sec. Umberto Romano, N.A.

Art School of the National Academy: 5 East 89th St., New York; Dir. John Dobkin.

National Sculpture Society: 250 East 51st St., New York, N.Y. 10022; f. 1893, inc. 1896; 360 mems.; Exec. Sec. Claire A. Stein; publ. *National Sculpture Review* (quarterly).

National Society of Mural Painters, Inc.: 1083 Fifth Avenue, New York 28, N.Y.; f. 1893, inc. 1895; 200 mems.; Pres. Allyn Cox; Sec. Helen Treadwell; publ. *Newsletter* (irregular).

Society for Ethnomusicology, Inc.: Room 513, 201 South Main St., Ann Arbor, Mich. 48108; 2,100 mems.; Pres. William Malm; Sec. Jon Higgins; publs. *Ethnomusicology* (3 a year), *Newsletter* (bi-monthly), special series.

Bibliography and Library Science

American Association of Law Libraries: 53 West Jackson Blvd., Chicago; f. 1906; 2,289 mems.; Pres. J. Myron Jacobstein; Sec. Cameron Allen; publs. *Law Library Journal* (quarterly), *Index to Legal Periodicals* (monthly), *Index to Foreign Legal Periodicals* (quarterly), *Directory of Law Libraries* (biennial), *Current Publications* (monthly).

American Library Association: 50 East Huron St., Chicago, Ill. 60611; f. 1876; 35,000 mems.; library of *c.* 16,000 vols., 13 divisions; Dir. Robert Wedgeworth; publs. *American Libraries* (monthly), *Booklist* (fortnightly), *Choice* (monthly), *Journal of Library Automation* (quarterly), *College and Research Libraries* (bi-monthly), *Library Resources and Technical Services* (quarterly), *School Media Quarterly*, *Top of the News* (quarterly), *Library Technology Reports* (every 2 months), *RQ* (quarterly), *Newsletter on Intellectual Freedom* (every 2 months), and over 20 other serial publications.

American Merchant Marine Library Association: 1 Bowling Green, New York, N.Y. 10004; f. 1921; 4,522 seamen mems.; Exec. Sec. Charles S. Francis; publs. *Sea Letter* (Easter and Christmas), *Annual Report*, *Let's Look at the Record*.

American Society for Information Science (ASIS): 1155 16th St., N.W., Washington, D.C. 20036; f. 1937; concerned with the development of advanced methodologies and techniques that contribute to the more efficient use of information; acts as a bridge between research and development and the requirements of diverse types of information systems; comprises managers, designers and users of information systems and technology; over 4,000 mems.; Pres. Margaret T. Fischer; Man. Dir. Samuel B. Beatty; publs. *Journal of the American Society for Information Science* (bi-monthly), *Bulletin of the American Society for Information Science* (every 2 months), *Annual Review of Information Science and Technology*, *Annual Proceedings*.

American Theological Library Association: f. 1947; inc. 1973; 600 mems.; Pres. Dr. G. Paul Hamm; Exec. Sec. David J. Wartluft, 7301 Germantown Ave., Philadelphia, Pa. 19119; publs. *Proceedings* (annual), *Newsletter* (quarterly), *Index to Religious Periodical Literature* (2 a year).

Art Libraries Society of North America (ARLIS/NA): P.O.B. 3692, Glendale, Calif. 91201; f. 1972; sponsors conference and workshops, distributes publications, grants awards for art book publishing and student essays on visual librarianship (George Wittenborn Award); 1,050 mems. world-wide; affiliated with ARLIS (U.K.); Chair. Nancy John; Exec. Sec. Judith Hoffberg; publ. *Newsletter*† (5 a year).

Association of American Library Schools: f. 1915; 100 institutional mems., 750 personal mems.; Exec. Sec. Janet C. Phillips, 471 Park Lane, State College, Pa. 16801; publ. *Journal of Education for Librarianship* (quarterly).

Association of Research Libraries: 1527 New Hampshire Ave., N. W., Washington, D.C. 20036; f. 1932; 92 institutional members; Exec. Dir. Stephen A. McCarthy; publs. *Foreign Acquisitions Newsletter*, *ARL Academic Library Statistics*, *ARL Minutes*.

Association of Visual Science Librarians: f. 1968 to foster collective and individual acquisition and dissemination of visual science information, to improve services to those seeking such information and to develop libraries' standards; 37 mems. of which 8 outside the U.S.A.; Chair. Nancy Gatlin, Librarian, Southern College of Optometry, 1245 Madison Ave., Memphis, Tenn. 28104; publs. *Vision Union List of Serials*, *Ph.D. Theses in Physiological Optics*, *Guidelines and Standards for Visual Science Libraries serving Optometric Institutions*.

Bibliographical Society of America: P.O.B. 397, Grand Central Station, New York, N.Y. 10017; f. 1904, inc. 1927; 1,600 mems.; Exec. Sec. Caroline F. Schimmel; publ. *Papers* (quarterly).

Bibliographical Society of the University of Virginia: c/o University of Virginia Library, Charlottesville, Va. 22901; f. 1947; 1,000 mems.; Sec.-Treas. Ray W. Frantz, Jr.; publs. *Studies in Bibliography* (annual), etc.

California Library Association: 717 K St., Suite 300, Sacramento, Calif. 95814; f. 1896; 3,500 mems.; Exec. Dir. S. B. Moses; Pres. Ursula Meyer; publs. *California Librarian* (quarterly), *CLA Newsletter* (monthly).

California Media and Library Educators Association: 1575 Old Bayshore Hwy. 204, Burlingame, Calif. 94010; 1,800 mems.; Editor Bill Roberts; publ. *CMLEA Journal* (quarterly).

Catholic Library Association: f. 1921; 3,240 mems.; Exec. Dir. M. Richard Wilt, 461 W. Lancaster Ave., Haverford, Pa.; publs. *Catholic Library World* (monthly), *Catholic Periodical and Literature Index* (fortnightly), *Handbook and Membership Directory* (annually).

Council of National Library Associations: 461 West Lancaster Ave., Haverford, Pa. 19041; f. 1942; 16 mem. asscns.; Chair. John T. Corrigan, c.f.x.; Sec.-Treas. Barbara Preschel.

Council on Library Resources: 1 Dupont Circle, N.W., Washington, D.C. 20036; f. 1956; to develop resources and services of libraries and library co-operation; Pres. Warren J. Haas.

Inter-American Bibliographical and Library Association: P.O.B. 600583, North Miami Beach, Fla. 33160; f. 1930; 250 mems.; Pres. A. Curtis Wilgus; Sec.-Treas. Magdalen M. Pando; publ. *Doors to Latin America*† (quarterly).

Medical Library Association: f. 1898; 2,750 mems.; Exec. Dir. John S. LoSasso, 919 North Michigan Ave., Chicago, Ill. 60611; the association supports and encourages medical and allied scientific libraries, promotes the exchange of medical literature among its institutional members, and improves the professional qualifications and status of medical librarians; publs. *Bulletin of the Medical Library Association*, *Vital Notes on Medical Periodicals*, *Handbook of Medical Library Practice*, *Medical Reference Works*, *Supplement*.

Music Library Association: 343 South Main, Room 205, Ann Arbor, Mich. 48108; f. 1931; 1,850 mems.; publs. *Notes* (quarterly), *Music Cataloging Bulletin* (monthly), *MLA Index Series* (irregular), *Brief Rules for the Cataloging of Music*, *Technical Reports—Information for Music Media Specialists* (irregular).

National Translations Center: 35 West 33rd St., Chicago, Ill. 60616; f. 1953, to collect, catalogue, reproduce and lend translations; collection of 250,000 translations; Chief of Center Mrs. Ildiko D. Nowak; publ. *Translations Register-Index* (monthly).

Society of American Archivists: f. 1936; a professional association of persons and institutions active or interested in the acquisition, preservation, management, and servicing of documentary materials; 3,000 mems. (international); Pres. Walter Rundell, Jr., Dept. of History, Univ. of Maryland, College Park, Md. 20742; Exec. Dir. Ann Morgan Campbell, P.O.B. 8198, Chicago 60680; publs. *The American Archivist* (quarterly), *SAA Newsletter* (6 a year).

Special Libraries Association: f. 1909; 235 Park Ave. South, New York, N.Y. 10003; 11,000 mems.; specialized library and specialized information services; Exec. Dir. F. E. McKenna; publs. include *Special Libraries* (monthly, except for May–June double issue).

Theatre Library Association: f. 1937; 500 mems.; Pres. Brooks McNamara; Sec.-Treas. Richard M. Buck, Performing Arts Research Centre, 111 Amsterdam Ave., New York, N.Y. 10023; publs. *Broadside* (quarterly), *Performing Arts Resources* (annually).

Economics, Law and Politics

Academy of Political Science: 2852 Broadway, New York, N.Y. 10025; f. 1880; 10,500 mems.; Pres. R. H. Connery; Sec. John V. Connorton; publs. *Political Science Quarterly*†, *The Proceedings of the Academy of Political Science*† (twice a year).

American Academy of Political and Social Science: 3937 Chestnut St., Philadelphia, Pa. 19104; f. 1889; 14,000 mems.; Pres. Marvin E. Wolfgang; Business Man. Mrs. Ingeborg Hessler; publ. *The Annals* (bi-monthly).

American Accounting Association: 5717 Bessie Drive, Sarasota, Fla. 33577; f. 1916; professional society for educators, practitioners and students of accounting; 15,000 mems.; Pres. Maurice Moonitz; Admin. Sec. Paul L. Gerhardt; publs. *The Accounting Review*, monographs, surveys.

American Arbitration Association: 140 West 51st St., New York, N.Y. 10020; f. 1926; administration of arbitration, mediation and elections; educational programmes on non-governmental disputes settlement; 3,000 mems., 25,000 arbitrators on national panel; library of 12,000 vols.; Pres. Robert Coulson; publs. *Arbitration Journal*† (quarterly), *News and Views*, *Summary of Labor Arbitration Awards* (monthly), *Arbitration in the Schools* (monthly), *Labor Arbitration in Government* (monthly), *Lawyers Arbitration Letter and the Digest of Court Decisions* (quarterly).

American Bar Association: 1155 East 60th St., Chicago, Ill. 60637; f. 1878; 228,955 mems.; library of 50,000 vols.; Sec. Herbert D. Sledd; publs. *American Bar Association Journal* (monthly), *Reports of the A.B.A.* (annual), *Bar Leader* (every 2 months).

American Economic Association: 1313 21st Ave. South, Nashville, Tenn. 37212; f. 1885 to encourage economic discussion, research and the issue of publications on economic subjects; 18,950 mems. and 7,600 subscribers; Sec. Elton Hinshaw; publs. *American Economic Review*, *Papers and Proceedings*, *Journal of Economic Literature*.

American Finance Association: c/o Graduate School of Business Administration, New York University, 100 Trinity Place, New York, N.Y. 10006; f. 1940; to make available knowledge on current developments in the field of finance; Sec.-Treas. Dr. Robert A. Kavesh; publ. *Journal of Finance* (five times a year).

American Institute of Pacific Relations: 333 Sixth Ave., New York 14, N.Y.; f. 1925; 470 mems.; constitutes the U.S. National Unit of the international body; Chair. Albert Mayer; Exec. Sec. William L. Holland; publs. *Far Eastern Survey* (monthly), and scholarly books.

American Judicature Society: 200 West Monroe St., Suite 1606, Chicago, Ill. 60606; f. 1913 to promote the effective administration of justice; 35,000 mems.; Exec. Dir. George H. Williams; publs. *Judicature* (monthly), *Joint Enterprise* (every 2 months).

American Law Institute: 4025 Chestnut St., Philadelphia, Pa. 19104; f. 1923; 1,750 elected mems.; to promote the clarification and simplification of the law; research work; library of 8,000 books; Pres. R. Ammi Cutter; Dir. and Sec. Herbert Wechsler; Exec. Vice-Pres. Paul A. Wolkin.

American Law Institute—American Bar Association Committee on Continuing Professional Education: 4025 Chestnut St., Philadelphia, Pa. 19104; f. 1947 to organize, develop and carry out a national programme of continuing education of the bar; 8,000 vols. in library; Exec. Dir. Paul A. Wolkin; publs. *The Practical Lawyer*† (every 6 weeks), *ALI-ABA CLE Review*† (weekly), *Preview of United States Supreme Court Cases* (6 a month, September to May), *ALI-ABA Course Materials Journal* (every 2 months), *Practice Texts*, *Practice Handbook*, etc.

American Peace Society: 4000 Albemarle St., N.W., Washington, D.C. 20016; f. 1828; Pres. Dr. Evron M. Kirkpatrick; Sec. L. Eugene Hedburg; publ. *World Affairs* (quarterly).

American Political Science Association: 1527 New Hampshire Ave., N.W., Washington, D.C. 20036; f. 1903; 16,000 mems.; Exec. Dir. Evron M. Kirkpatrick; publs. *The American Political Science Review* (quarterly), *P.S.* (quarterly).

American Society for Political and Legal Philosophy: c/o The Sec., Prof. M. P. Golding, Dept. of Philosophy, Duke Univ., Durham, N.C. 27708; f. 1955; Pres. Prof. J. Ladd; publ. *NOMOS* (Yearbook).

American Society for Public Administration: 1225 Connecticut Ave., N.W., Washington, D.C. 20036; f. 1939; 17,500 mems.; national and regional conferences, management institutes, personnel exchange; chapters in local centres; Exec. Dir. Keith F. Mulrooney; publs. *Public Administration Times* (monthly), *Public Administration Review* (every 2 months).

American Society of International Law: 2223 Massachusetts Ave., N.W., Washington, D.C. 20008; f. 1906, inc. 1950; 5,200 mems.; 22,000 vols.; Exec. Dir. Seymour J. Rubin; Pres. C. Clyde Ferguson, Jr.; publs. *International Legal Materials* (six times a year), *The American Journal of International Law* (quarterly), *Proceedings* (annual), *Newsletter* (quarterly), books and occasional publications.

American Statistical Association: 806 15th St., N.W., Washington, D.C. 20005; f. 1839; 11,000 mems.; Sec.-Treas. Fred C. Leone; publs. *Journal of the American Statistical Association*, *The American Statistician*, *Technometrics*, *Amstat News*.

American Universities Field Staff-Institute of World Affairs: Twin Lakes, Salisbury, Conn., 06068; f. 1924; summer seminar for graduate and advanced students interested in economics, law, international affairs, government service, education; partial scholarships; 2,000 graduate mems. from 100 countries; Pres. Arthur C. Glover.

Association of American Law Schools: Suite 370, One Dupont Circle, N.W., Washington, D.C. 20036; f. 1900 for the improvement of the legal profession through legal education; 134 mems.; Exec. Dir. Millard H. Ruud; publs. *Proceedings* (annual), *Directory of Law Teachers* (annual), *Journal of Legal Education* (5 a year), *Newsletter* (quarterly), *Research Bulletin* (2 a year), *Legal Affairs Manual*.

Carnegie Endowment for International Peace: 345 East 46th St., New York, N.Y. 10017; f. 1910; conducts its own programmes of research, discussion, publication and education in international affairs and American foreign policy, and international law and organization; engages in joint ventures with other organizations to extend dialogue on world affairs issues; publ. *Foreign Policy* (quarterly); library of *c.* 8,000 vols.; Pres. Thomas Lowe Hughes; 27 trustees; Washington Office: 11 Dupont Circle, Washington, D.C. 20036.

The Council of State Governments: Iron Works Pike, Lexington, Ky. 40578; f. 1933; Exec. Dir. Herbert L. Wiltsee; offices in Washington, D.C., New York, Atlanta, Chicago and San Francisco; a joint governmental agency established by the States for service to the States; publs. *State Government* (quarterly), *State Government News* (monthly), *The Book of the States* (biennially, even-numbered years with supplements issued in odd-numbered years), *Suggested State Legislation* (annual), *Legislative Session Sheet* (weekly), *National Association of Attorneys General* (annual), *Legislative Research Checklist* (quarterly), and many volumes of reports, research, etc.

Council on Foreign Relations, Inc.: 58 East 68th St., New York 21, N.Y.; f. 1921; 1,700 mems.; Foreign Relations Library of 50,000 vols., numerous periodicals, clippings files; Chair. DAVID ROCKEFELLER; Pres. WINSTON LORD; Vice-Pres. and Sec. JOHN TEMPLE SWING; publs. *Foreign Affairs* (quarterly), and books on major issues of U.S. foreign policy.

Economic History Association: Eleutherian Mills Historical Library, P.O.B. 3630, Wilmington, Del. 19807; f. 1941; to encourage and promote teaching, research and publication in all fields of economic history; 1,230 mems., 2,340 library mems., 280 foreign mems.; Pres. ROBERT FOGEL; Sec. R. D. WILLIAMS; publ. *Journal of Economic History* (quarterly).

Federal Bar Association: 1815 H St., N.W., Washington, D.C. 20006; f. 1920; 15,500 mems.; 96 Chapters; over 100 committees in fields of federal law; Exec. Dir. J. THOMAS ROULAND; Exec. Asst. RUSSELL F. MCKINNON; publs. *Federal Bar Journal, Federal Bar News.*

Foreign Policy Association, Inc.: 345 East 46th St., New York, N.Y. 10017; f. 1918; object: to promote citizen education in world affairs, to assist organizations, communities and educational institutions to develop programmes for citizen understanding and constructive participation in world affairs, and to advance public understanding of foreign policy problems through national programmes and publications of a non-partisan character based upon the principles of freedom, justice and democracy; Chair. CARTER L. BURGESS; publs. *Headline Series* (5 a year), *Great Decisions* (yearly), *Foreign Policy Briefs* (in presidential election years).

Institute of Management Sciences, The (TIMS): 146 Westminster St., Providence, R.I. 02903; f. 1953; 6,500 mems.; Pres. GERALD M. HOFFMAN; publs. *Management Science* (monthly), *Interfaces, Mathematics of Operations Research* (quarterly).

Institute for Mediterranean Affairs: 1078 Madison Ave., New York, N.Y. 10028; established under charter of the University of the State of New York to evolve a better understanding of the historical background and contemporary political and socio-economic problems of the nations and regions that border on the Mediterranean Sea; to analyse the various tensions in the Eastern Mediterranean and to investigate the basic problems of the area; special attention is given to the Israeli-Arab conflict; 250 Academic Advisory mems.; Pres. Prof. SEYMOUR M. FINGER; Chair. Prof. NASROLLAH S. FATEMI; Vice-Chair. Prof. ABBA P. LERNER; Dir. SAMUEL A. MERLIN; publ. *The Mediterranean Survey* (bulletin, irregular).

Inter-American Statistical Instituto (IASI): c/o Gen. Secretariat of the O.A.S., Washington, D.C. 20006, U.S.A.; f. 1940; 400 mems.; fosters statistical development in the Western Hemisphere; Pres. CONRAD TAEUBER (United States), Vice-Pres. RODRIGO BOLAÑOS SANCHEZ (Costa Rica), EMILIO ALANIS PATIÑO (Mexico), SERGIO CHAPPARO RUIZ (Chile), MIGUEL FADUL (Columbia); Sec.-Gen. TULO H. MONTENEGRO; publs. *Estadística* (quarterly), *América en Cifras* (biennial), *Boletín Estadistíco* (monthly), *Monthly List of Publications Received* (monthly), *Directory of Statistical Personnel in the American Nations.*

Library of International Relations: 666 North Lake Shore Drive, Chicago, Ill. 60611; f. 1932; non-profit institution supported by voluntary contributions; founded to stimulate interest and research in international problems; holds Round Table discussions for members; conducts seminars on special areas for business executives; offers special services to businesses and to academic institutions; 500 mems.; has a specialized collection of 325,000 books, documents and pamphlets, and more than 1,000 magazines coming from all over the world; Pres. JAMES T. GIBSON, Jr.; Sec. ELOISE RE QUA.

Society of Actuaries: 208 S. La Salle Street, Chicago, Ill. 60604.

Twentieth Century Fund: 41 East 70th Street, New York N.Y. 10021; f. 1919 by the late Edward A. Filene as an endowed foundation for public policy research on major economic, political and social institutions and issues; Chair. of the Board of Trustees DON K. PRICE; Vice-Chair. of the Board and Chair. of Exec. Cttee. PETER A. A. BERLE; Dir. M. J. ROSSANT; publs. *Annual Report, Newsletter*, studies and task force reports.

World Peace Foundation: 40 Mount Vernon St., Boston, Mass. 02108; f. 1910: an operating foundation which does not give outside grants; policy-oriented studies in world affairs; research into international organization, American public opinion on foreign policy, U.S.-Canada relations, etc.; Dir. and Sec. ALFRED O. HERO; sponsors publ. *International Organization* (quarterly).

EDUCATION

Adult Education Association of the U.S.A.: 1225 Nineteenth St., N.W., Washington, D.C. 20036; f. 1951; a non-profit membership organization established "to further the concept of education as a process continuing throughout life"; 4,500 mems., 4,500 subscribers; Exec. Dir. ROBERT E. SHARER; publs. *Adult Education* (quarterly), *Adult Leadership* (monthly).

Alfred P. Sloan Foundation: 630 Fifth Ave., New York, N.Y. 10020; f. 1934; makes grants for projects in science and technology, economics and management, and related higher education; Pres. NILS Y. WESSELL; Exec. Vice-Pres. ROBERT N. KREIDLER; publ. *Report* (annually).

American Association of State Colleges and Universities: One Dupont Circle, N.W., Washington, D.C. 20036; f. 1961 to improve higher education within its member institutions through co-operative planning, through studies and research on common educational problems, and through the development of a more unified programme of action; 324 mems.; 30 asst. mems.; Exec. Dir. ALLAN W. OSTAR; publs. *Memo* (twice a month), *OFP Reports* (*Office of Federal Programs*), *Proceedings* (annual).

American Association of University Professors: One Dupont Circle, N.W., Washington, D.C. 20036; f. 1915; 77,000 mems.; Pres. MARTHA FRIEDMAN, University of Illinois, Urbana; Gen. Sec. NORTON S. BARATZ; publs. *Academe, AAUP Bulletin* (quarterly).

American Council on Education: One Dupont Circle, Washington, D.C. 20036; f. 1918; 1,562 member institutions and associations, 76 affiliates; Pres. J. W. PELTASON; publs. *Educational Record* (quarterly), *Higher Education and National Affairs* (weekly).

American Vocational Association, Inc.: 1510 H St., N.W., Washington, D.C. 20005; f. 1925; 55,000 mems.; Exec. Dir. LOWELL A. BURKETT; publ. *American Vocational Journal* (monthly, except June, July, Aug.), *Yearbook.*

Association of American Colleges, Inc.: 1818 R St., N.W., Washington, D.C. 20009; f. 1915 to promote higher education in all its forms in the colleges of liberal arts and sciences; 600 mems.; Pres. FREDERIC W. NESS; publ. *Liberal Education* (quarterly).

Association of American Universities: One Dupont Circle, N.W., Washington, D.C. 20036; f. 1900; 50 mems.; Pres. THOMAS A. BARTLETT.

Association of Theological Schools in the United States and Canada: P.O.B. 130, Vandalia, Ohio 45377; f. 1918 as Conference of Theological Schools, est. 1938 as American Association of Theological Schools; promotes improvement of theological education, provides information on theological schools and encourages communication between parties interested in the subject; 195 member schools; Pres. D. A. HUBBARD; Exec. Dir. J. H. ZIEGLER; publs. *Bulletin, Directory, Theological Education* (2 a year).

Carnegie Corporation of New York: 437 Madison Ave., New York, N.Y. 10022; f. 1911 by Andrew Carnegie for the advancement of knowledge and understanding among peoples of the U.S. and of the British Overseas Commonwealth; primary interests: education and public affairs; grants principally to colleges and universities and professional and educational organizations; 17 trustees; Pres. ALAN PIFER; Sec. SARA L. ENGELHARDT; publs. *Annual* and *Quarterly Reports*.

Carnegie Foundation for the Advancement of Teaching: 437 Madison Ave., New York, N.Y. 10022; f. 1905 to provide pensions for college teachers (the list of beneficiaries has been closed) and to conduct educational studies; major current activity is its Council on Policy Studies in Higher Education; 25 Trustees; Pres. ALAN PIFER; Sec. RICHARD H. SULLIVAN; publ. *Annual Report*.

Council for Basic Education: 725 15th St., N.W., Washington, D.C. 20005; f. 1956; a private organization to encourage high academic standards in American public schools; 6,200 mems.; Exec. Dir. A. GRAHAM DOWN.

Ford Foundation: 320 East 43rd St., New York, N.Y. 10017; f. 1936; a non-profit corporation, dedicated to the advancement of human welfare, principally through the support of education; total assets at market value (Sept. 30th, 1977): $2,159,438,000; Chair. of Board ALEXANDER HEARD; Pres. McGEORGE BUNDY.

Foundation Center, The: formerly The Foundation Library Center, 888 Seventh Ave., New York, N.Y. 10019; offices in Washington, San Francisco, Cleveland; f. 1956; makes available information about philanthropic foundations; maintains a full collection of foundation reports; library of 2,000 vols., 2,500 pamphlets and articles, 6,500 foundation reports, computer files of foundation grants, aperture card system containing foundation IRS returns; Pres. THOMAS R. BUCKMAN; Dir. Library Services CAROL M. KURZIG; publs. *Foundation Grants Index* (every 2 months and annual cumulation), *Foundation Directory* (every 2 years), *Foundation Annual Reports* (on film), *Foundation Center Source Book Profiles* (monthly); Comsearch Printouts (annually).

John Simon Guggenheim Memorial Foundation: 90 Park Ave., New York, N.Y. 10016; f. 1925; offers Fellowships for research in any field of knowledge and for artistic creation in any of the fine arts, including music; Pres. GORDON N. RAY; Vice-Pres. JAMES F. MATHIAS; Sec. STEPHEN L. SCHLESINGER; publs. *Annual Announcement of Fellowships, Reports of the President and Treasurer.*

Institute of International Education: 809 United Nations Plaza, New York, N.Y. 10017; f. 1919; private non-profit agency which develops, administers and programs educational and cultural exchange between U.S.A. and more than 100 other countries; conducts conferences, special studies and seminars to analyse and evaluate development in the field of educational exchange; seven regional offices, overseas offices and representatives in 25 countries and on four continents; library of 6,000 vols.; Pres. WALLACE B. EDGERTON; Chair. of Board of Trustees HENRY H. FOWLER; publs. *Annual Report, Open Doors, I.I.E. Report* (quarterly), *Summer Study Abroad* (annually), *Handbook for International Study*, etc.

National Education Association of the United States: 1201 16th St. N.W., Washington, D.C. 20036; f. 1857; 1,600,000 mems., *c.* 100,000 life mems.; Exec. Dir. TERRY E. HERNDON; Dir. in each State; publs. *Today's Education* (quarterly), *NEA Reporter* (9 times each year).

National Society for the Study of Education: 5835 Kimbark Avenue, Chicago, Ill. 60637; f. 1901; 5,500 mems.; Sec. KENNETH J. REHAGE; publ. *Yearbook*.

Philosophy of Education Society: c/o Sec.-Treas. Dr. RICHARD PRATTE, 145 Ramseyer Hall, Ohio State University, Colombus, Ohio 43210; f. 1941; 950 mems.; exists to promote discussion and analysis of philosophy and education and to improve the teaching and research in philosophy and education; publs. *Educational Theory* (quarterly), *Proceedings of the PES* (annual).

The Rockefeller Foundation: 1133 Ave. of the Americas, New York, N.Y. 10036; f. 1913 to promote the well-being of mankind. Current concentration is on problems of hunger, international relations, population, environment, education for development, equal opportunity and the arts and humanities; Chair. of Board THEODORE M. HESBURGH; Pres. JOHN H. KNOWLES, M.D.; publs. *President's Review and Annual Report*†, *R.F. Illustrated*†, *Working Papers*, occasional Special Reports.

W. K. Kellogg Foundation: 400 North Ave., Battle Creek, Mich. 49016; f. 1930; administers funds for non-partisan, non-profit agricultural, educational, and health activities in the public interest; Pres. RUSSELL G. MAWBY; Sec. EDWARD P. SICKMILLER; publ. *Annual Report*.

Woodrow Wilson International Center for Scholars: Smithsonian Institution Bldg., Washington, D.C. 20560; f. 1968 "to symbolize and strengthen the fruitful relation between the world of learning and the world of public affairs"; residential fellowship program organized in five divisions: historical and cultural studies, social and political studies and the division of resources, environment and interdependence, Kennan Institute for advanced Russian studies and Latin American programme; up to 40 scholars, approx. half from the U.S.A., of both academic and non-academic occupations; periods of study of up to one year; library of 15,000 vols., 400 periodicals; Chair. of Board of Trustees WILLIAM J. BAROODY; Dir. JAMES H. BILLINGTON; Admin. Officer WILLIAM M. DUNN; *see also* Smithsonian Institution.

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

History

American Antiquarian Society: 185 Salisbury St., Worcester, Mass. 01609; f. 1812; a learned society concerned with American history before 1877; 610,000 vols., 500,000 manuscripts, 4 million newspaper issues, 70,000 graphics; 336 mems.; Dir. MARCUS A. McCORISON; publ. *Proceedings* (semi-annual).

American Association for State and Local History: 1400 Eighth Ave. South, Nashville, Tenn. 37203; f. 1940; 5,000 mems.; successor to Conference of Historical Societies; objects: exchange of information on local and regional history and historical societies, and dissemination in scholarly and popular publications of professional material and interpretative articles; Dir. WILLIAM T. ALDERSON; publs. *History News* (monthly; professional news), *Bulletins* (irregular; professional data), *Directory of Historical Societies and Agencies in the United States and Canada* (biennially), technical leaflets, etc.

American Catholic Historical Association: The Catholic University of America, Washington, D.C. 20064; f. 1919 to promote interest in the history of the Catholic Church broadly considered; research work; 1,200 mems.; Sec. ROBERT TRISCO; publ. *Catholic Historical Review*† (quarterly).

American Historical Association: 400 A St., S.E., Washington, D.C. 20003; f. 1884; *c.* 15,000 mems.; Pres. WILLIAM J. BOUWSMA; Exec. Dir. MACK THOMPSON; publs. *American Historical Review* (5 a year), *AHA Newsletter* (9 a year), *Employment Information Bulletin* (quarterly), *Annual Report, Program*, various historical pamphlets.

American Irish Historical Society: 991 Fifth Ave., New York, N.Y. 10028; f. 1897; research in the history of the Irish in America; 500 mems.; library of 25,000 vols.; Pres. Dr. KEVIN M. CAHILL; Librarian and Archivist Dr. WILLIAM D. GRIFFIN; publ. *The Recorder* (annual).

American-Jewish Historical Society: 150 Fifth Ave., New York, N.Y. 10011; f. 1892; formed to collect and publish material bearing upon the history of America, and to promote the study of Jewish history in general as related to American-Jewish history; Library contains many rare and valuable manuscripts, some of the 16th, 17th and 18th centuries; 2,787 mems.; Librarian Dr. NATHAN M. KAGANOFF; publs. *American Jewish Historical Quarterly*, monographs.

American Numismatic Society: Broadway at 156th St., New York, N.Y. 10032; f. 1858; 1,842 mems.; Pres. HARRY W. BASS, Jr.; Chief Curator MARGARET THOMPSON; Dir. and Sec. LESLIE A. ELAM; publs. *Numismatic Literature* (bi-annual), *Numismatic Notes and Monographs, Numismatic Studies, Museum Notes, Sylloge Nummorum Graecorum, The Collection of the American Numismatic Society.*

American Society of Church History: 305 E. Country Club Lane, Wallingford, Pa. 19086; f. 1888, reorganized 1906; 1,500 mems. and 1,475 subscribers; Sec. WILLIAM B. MILLER; publ. *Church History* (quarterly).

American Swedish Historical Foundation and Museum: 1900 Pattison Avenue, Philadelphia, Pa. 19145; f. 1926; the Foundation was established to collect, preserve, and to tell the story of the contributions made to the development of America by those of Swedish background. It maintains a large museum built in the style of a Swedish manor and housing both temporary exhibitions and permanent collections, among which is the finest collection of old Scandinavian silver in America. It also sponsors a programme for Swedish trainees, maintains two libraries and extensive archives; *c.* 1,100 mems.; Pres. EDWIN R. BRODEN; Curator CHARLES L. SEEBURGER; publ. *Yearbook*†.

Concord Antiquarian Society: Lexington Road and Cambridge Turnpike, Concord, Mass. 01742; f. 1886; 840 mems.; Pres. Mrs. WILLIAM F. A. STRIDE; Admin. Mrs. THOMAS G. DOIG; publs. *Handbook, Exhibition Catalogs, Newsletter* (quarterly).

Dallas Historical Society: The Hall of State, Dallas, Tex. 75226: f. 1922; collection of historical materials; the Society has the custody of the Hall of State (*q.v.* Museums), which it operates as a museum and archives of Texas history; 1,500 mems.; library of 7,000 vols., also archive items, periodical and newspaper collections and 10,000 museum items; Pres. JOE M. DEALEY; Dir. JOHN W. CRAIN.

Historical Society of Pennsylvania: 1300 Locust St., Philadelphia, Pa. 19107; f. 1824; 3,200 mems.; library (*see* Libraries), archives, museum; Pres. HAROLD D. SAYLOR; Sec. HOWARD H. LEWIS; Dir. JAMES E. MOONEY; publ. *The Pennsylvania Magazine of History and Biography* (quarterly).

Institute of Early American History and Culture: P.O.B. 220, Williamsburg, Va. 23185; f. 1943; two 2-year post-doctoral fellowships; Dir. THAD W. TATE; publs. *William and Mary Quarterly*, monographs, documents and bibliographies on American history to 1815, *News Letter* (2 or 3 per year), *Handbook.*

Long Island Historical Society: 128 Pierrepont St., Brooklyn, N.Y. 11201; f. 1863; library of 125,000 vols.; 1,100 mems.; Pres. DWIGHT B. DEMERITT, Jr.; Sec. IRVING CHOBAN; Exec. Dir. RUSSELL BASTEDO; publ. *The Journal of Long Island History.*

Maryland Historical Society: 201 West Monument St., Baltimore, Md. 21201; f. 1844; 6,500 mems.; library of 80,000 vols., 3,000,000 MSS., 200,000 graphics; Pres. LEONARD C. CREWE, Jr.; Dir. P. WILLIAM FILBY; publs. *The Archives of Maryland, Maryland Historical Magazine*† (quarterly), *News and Notes, Maryland Magazine of Genealogy*† (2 a year).

Massachusetts Historical Society: 1154 Boylston St., Boston, Mass. 02215; f. 1791; oldest Historical Society in U.S.; library of 250,000 vols. on History; Dir. STEPHEN T. RILEY; Librarian JOHN D. CUSHING; publs. *Proceedings*, etc.

Medieval Academy of America: 1430 Massachusetts Ave., Cambridge, Mass. 02138; inc. 1925; for the conduct, encouragement, promotion, and support of research, publication, and instruction in medieval records, literature, languages, art, archaeology, history, philosophy, science, life, and all other aspects of medieval civilization; approx. 4,000 mems.; Pres. SAMUEL E. THORNE; Exec. Sec. PAUL MEYVAERT; publs. *Speculum: A Journal of Medieval Studies* (quarterly), *Publications of the Medieval Academy of America.*

Minnesota Historical Society: Saint Paul, Minnesota 55101; f. 1849; 7,000 mems.; library of over 300,000 vols. with extensive MSS., newspaper and picture depts., 23 historic sites; Pres. PAUL M. PARKER; Sec. and Dir. RUSSELL W. FRIDLEY; publs. *Minnesota History* (quarterly), *Roots* (3 times yearly), *Minnesota History News* (bi-monthly).

New York Historical Society: 170 Central Park West, New York, N.Y. 10024; f. 1804; 2,000 mems. (all grades); library of 600,000 vols., 1,000,000 MSS.; Dir. JAMES J. HESLIN; publs. *The New York Historical Society Quarterly*, etc.

Oregon Historical Society: Portland, Oregon 97205; f. 1873; 6,000 mems.; 40,000 books, 1,600,000 photographs, 12,000 maps, many pamphlets, serials and newspapers; original MSS., 10,000,000 pieces; museum artifacts from neolithic period to discovery, settlement of Oregon Country, Pacific Northwest; Dir. THOMAS VAUGHAN; publs. *Oregon Historical Quarterly*†, *Newsletter*†.

Pilgrim Society: 75 Court St., Plymouth, Mass. 02360; f. 1820; 850 mems.; library of 12,000 vols. and Rare Manuscript Collections dealing with the Plymouth Colony; the Society maintains Pilgrim Hall, the oldest public museum in North America. Collections of Pilgrim decorative arts, furnishings, pre-historic Indian collections. Maintains the National Monument to the Forefathers and Cole's Hill; Dir. LAURENCE R. PIZER; publs. books and pamphlets.

Presbyterian Historical Society: 425 Lombard St., Philadelphia, Pa. 19147; f. 1852; library of 117,000 vols. and 2,000,000 MSS.; Pres. R. DOUGLAS BRACKENRIDGE, PH.D.; Sec. WILLIAM B. MILLER; publs. *Journal* (quarterly), *Annual Report, Presbyterian Historical Society Publications Series.*

Renaissance Society of America: 1161 Amsterdam Ave., New York, N.Y. 10027; f. 1954; 1,700 individual mems., 1,170 library mems.; Exec. Dir. Eugene Rice; publ. *Renaissance Quarterly*.

Rhode Island Historical Society: 52 Power St., Providence, R.I. 02906; f. 1822; 18th-century museum house, R.I.; furniture, paintings, silver and china; library, 121 Hope St., 200,000 vols.; historical and genealogical; large MSS. collection; 2,811 mems.; Dir. Albert T. Keyberg; Librarian Nancy E. Peace; publ. *Rhode Island History* (quarterly).

Society of American Historians: 610 Fayerweather Hall, Columbia University, New York 10027; f. 1939; 250 fellows; Pres. James T. Flexner; Sec. Kenneth T. Jackson.

State Historical Society of Wisconsin: 816 State St., Madison, Wis. 53706; f. 1846; 5,400 mems.; 895,697 vols. including pamphlets and government documents; 146,542 microfilms, 362,268 sheet microformats, 48,000,000 MSS., 27,210 cu. ft. archives, 2,400 atlases, 25,000 sheet maps, 750,000 pictures and negatives; Dir. Richard Alton Erney; publs. *Wisconsin Magazine of History* (quarterly), *Wisconsin Then and Now* (monthly).

Vermont Historical Society: 109 State St., Pavilion Building, Montpelier, Vt. 05602; f. 1838; objects: educational work in Vermont and American history; collection of books, documents, and MSS. relating to Vermont; publication of historical magazines and books; maintenance of State Museum; 2,700 mems.; Pres. Lyman S. Rowell; Dir. Weston A. Cate, Jr.; publs. *Vermont History* (quarterly), *Vermont History News* (6 a year), *Booklist* (annually).

Western Reserve Historical Society: 10825 East Blvd., Cleveland, Ohio 44106; f. 1867; maintains a historical museum, auto-aviation museum, three historical sites; 2,800 mems.; library of over 200,000 vols., 100,000 prints and photos, 4,000,000 MSS.; Pres. Robert C. McDowell; Exec. Dir. Meredith B. Colket, Jr.; publ. *Western Reserve Historical Society News* (every 2 months).

Geography

American Geographical Society: Broadway at 156th St., New York, N.Y. 10032; f. 1852; 2,500 Fellows; library *see* Libraries; Pres. Richard H. Nolte; Dir. Dr. Sarah Kerr Myers; publs. journals: *Geographical Review* (quarterly), *Focus* (8 a year).

American Society of Limnology and Oceanography: f. 1936; 4,000 mems.; Sec. C. L. Schelske, Great Lakes Research Division, Univ. of Michigan, Ann Arbor, Mich. 48109; publ. *Limnology and Oceanography* (bi-monthly).

Association of American Geographers: 1710 16th St., N.W., Washington, D.C. 20009; f. 1904; 6,600 mems.; Exec. Dir. J. Warren Nystrom; publs. *Annals of the Association of American Geographers, The Professional Geographer.*

National Geographic Society: 17th and M Streets, N.W., Washington, D.C. 20036; f. 1888; 9,700,000 mems.; organized for the increase and diffusion of geographic knowledge; library of 60,000 vols.; Chair. of Board of Trustees Melvin M. Payne; Editor-in-Chief Melville Bell Grosvenor; Pres. Robert E. Doyle; publs. *National Geographic*† (monthly) and *National Geographic World* (monthly), maps, books, atlases, filmstrips and records.

Society of Woman Geographers: 1619 New Hampshire Ave., N.W., Washington, D.C. 20009; f. 1925; 450 mems.; Pres. Mrs. Edith M. Ronne; Sec. Mrs. Betty Guyot; publ. *Annual Bulletin.*

Archaeology

Archaeological Institute of America: 260 West Broadway, New York, N.Y. 10013; f. 1879; 6,500 mems.; Pres. Robert H. Dyson, Jr.; Exec. Dir. Mary K. Brown; publs. *American Journal of Archaeology*† (quarterly), 4,500 subscribers, *Archaeology** (illustrated, every 2 months), 24,000 subscribers.

Arizona Archaeological and Historical Society: Arizona State Museum, Univ. of Arizona, Tucson, Arizona 85721; f. 1916; 550 mems.; Pres. Carla Van West; Sec. Sharon F. Urban; publ. *The Kiva.*

International Cultural Institutes

American Society of African Culture: 401 Broadway, New York, N.Y. 10013; f. 1957; 300 mems.; affil. with the Société Africaine de Culture, Paris; exists to establish channels of communication for the recognition and development of African culture; Pres. Saunders Redding; Exec. Dir. Calvin H. Raullerson; publ. *African Forum* (quarterly).

Asia Foundation: P.O.B. 3223, San Francisco, Calif. 94119 (Main Office); offices in Washington and 12 Asian countries; f. 1954; 3,370 vols. on current Asian and world affairs; aims to assist Asian economic and social development through private American assistance to Asian public and private organizations, voluntary associations, institutions and individuals working to further social and economic progress within their societies; provides "seed money" grants in the fields of rural and community development; food and nutrition; population and community health; law and justice; communications, books and libraries; management, employment and economic development; cultural exchange for Asian-American understanding; Chair. Board of Trustees Russell G. Smith; Pres. Haydn Williams; Sec. Turner H. McBaine; publs. *The Asian Student, The Asian Student Orientation Handbook, President's Review, The Asia Foundation News.*

Austrian Institute: 11 East 52nd St., New York, N.Y. 10022; f. 1963; Government office responsible for cultural and scientific affairs, etc., under Austrian Federal Ministry of Foreign Affairs; library of 5,000 vols.; films, slides, etc., reference library; Dir. Dr. Fritz Cocron.

Belgian-American Educational Foundation, Inc.: 420 Lexington Ave., New York, N.Y. 10017; f. 1920 to promote academic and scientific exchange by providing grants to scholars and graduate students for study and work in the other country; Pres. Emile L. Boulpaep.

British Council: British Embassy, 3100 Massachusetts Ave., N.W., Washington, D.C. 20008; Cultural Attaché P. Lyon Roussel, o.b.e.

English-Speaking Union of the United States: 16 East 69th St., New York, N.Y. 10021; f. 1920; Chair. Hon. Anne L. Armstrong; Pres. John I. B. McCulloch; Exec. Dir. John D. Walker; publ. *News*; 81 brs. in U.S.A.

French Institute/Alliance Française/Federation of French Alliances in the United States: 22 East 60th St., New York, N.Y. 10022; f. 1911 (A.F. de N.Y. f. 1898, Federation 1902); 7,000 mems.; library of 35,000 vols.; classes, lectures, films, scholarships; Senior Dir. V. Milligan; Exec. Dir. J. Vallier; publ. *French Twentieth Century Bibliography* (annual).

Goethe House, German Cultural Institute: 1014 Fifth Ave., New York, N.Y. 10028; br. of Goethe Institute, Munich; promotes cultural understanding between the United States and Germany through lectures, films, concerts and exhibits; language information division for teachers of German; runs German-American Partnership Program (GAPP); library of 15,000 vols. in German and English; Dir. Dr. Christoph Wecker.

Goethe Institut: 530 Bush St., San Francisco, Calif. 94108; Dir. Ernst Schürmann.

Language and Literature

American Classical League: Miami University, Oxford, Ohio; f. 1918; 6,000 mems.; Sec. Adele Knight; publ. *The Classical Outlook* (monthly, Sept.-June).

American Center of P.E.N.: 47 Fifth Ave., New York, N.Y. 10011; f. 1922 to promote friendship and intellectual co-operation among writers, the exchange of ideas and freedom of expression; conferences, workshops, emergency fund for writers, translation prize; 1,700 mems.; library of 1,000 vols.; Pres. Richard J. Howard; Exec. Sec. Karen Kennerly; publs. *Grants and Awards Available to Writers* (annual), *Newsletter* (8 a year), various books and reports.

American Dialect Society: c/o Exec. Sec., Dept. of English, Univ. of Western Ontario, London, Ont., N6A 3K7, Canada; f. 1889; approx. 800 mems.; study of the English language in North America, together with other languages or dialects of other languages influencing it or being influenced by it; extensive dictionary being compiled on dialect of the United States and Canada; Pres. Prof. John Algeo; Exec. Sec. H. R. Wilson; publs. *Publication, Newsletter* (thrice yearly), *American Speech* (quarterly), occasional monographs.

American Philological Association: f. 1869; 2,950 mems.; Sec. Harold D. Evjen, Dept. of Classics, University of Colorado, Boulder, Col. 80309; publs. *Transactions* (annual), *Newsletters* (quarterly), *Philological Monographs, Text Series*, Special Publications.

Classical and Modern Language League: St. Joseph's College, Philadelphia, Pa. 19131; f. 1962; 1,500 mems.; audio-visual aids centre, methodology in teaching languages in secondary schools, student travel; Pres. Prof. J. C. Traupman.

Hispanic Society of America: (*see* under The Arts).

Linguistic Society of America: 1611 North Kent St., Arlington, Va. 22209; f. 1924; annual and summer meetings, linguistic institute; 4,500 mems.; 1,900 libraries, foreign and domestic; Pres. Peter Ladefoged; Sec.-Treas. Arthur S. Abramson; publs. *Language* (quarterly), *LSA Bulletin* (quarterly).

Modern Language Association of America: 62 Fifth Ave., New York, N.Y. 10011; f. 1883; 30,000 mems.; Exec. Dir. Prof. William David Schaefer; publ. *PMLA* (6 times a year).

Poetry Society of America: 15 Gramercy Park, New York, N.Y. 10003; f. 1910; 700 mems.; library of 5,000 vols.; Sec. Charles A. Wagner; publ. *Bulletin*† (monthly).

Society of Biblical Literature: (formerly Society of Biblical Literature and Exegesis); f. 1880; study of biblical and related literature, language, history, religions; 4,000 mems.; Pres. Prof. James A. Saunders; Exec. Sec. Paul J. Achtemeier, Union Theological Seminary, 3401 Brook Rd., Richmond, Va. 23227; publs. *Journal of Biblical Literature*† (quarterly), *Semeia*† (occasional).

Speech Communication Association: 5205 Leesburg Pike, Falls Church, Va. 22041; f. 1914; 8,000 mems.; Exec. Sec. William Work; publs. *Quarterly Journal of Speech, Communication Monographs* (quarterly), *Communication Education* (quarterly), *Directory* (annual), *Directory of Graduate Programs* (every 2 years), *Free Speech Yearbook, International and Intercultural Communication Annual.*

Medicine

Aerospace Medical Association: Washington National Airport, Washington, D.C. 20001; f. 1929; advancement of Aerospace Medicine, Life Sciences, Bio-astronautics and Environmental Medicine; annual awards; 3,600 mems.; Exec. Vice-Pres. Ronald H. Shamburek, m.d.; publ. *Aviation, Space and Environmental Medicine* (monthly).

American Academy of Allergy: 611 East Wells St., Milwaukee, Wis. 53202; f. 1943; 2,720 mems.; Pres. Thomas E. Van Metre, Jr., m.d.; publ. *The Journal of Allergy and Clinical Immunology.*

American Academy of Family Physicians, The: 1740 West 92nd St., Kansas City, Mo. 64114; f. 1947; promotes and maintains high standards in the general/family practice of medicine; 41,500 mems.; Pres. W. Jack Stelmach, m.d.; Exec. Dir. Roger Tusken; publs. *American Family Physician, AAFP Reporter* (both monthly).

American Academy of Ophthalmology and Otolaryngology: 15 Second St., S.W., Rochester, Minn.; f. 1896; 11,880 mems.; Exec. Sec.-Treas. C. M. Kos, m.d.; publ. *Transactions* (bi-monthly).

American Academy of Pediatrics: f. 1930; 19,200 mems.; Exec. Dir. R. G. Frazier, m.d., 1801 Hinman Ave., P.O.B. 1034, Evanston, Ill. 60204; publ. *Pediatrics* (monthly).

American Academy of Periodontology: 211 East Chicago Ave., Chicago, Ill. 60611; f. 1914; 3,700 mems.; Pres. James Y. O'Bannon; Sec. Robert L. Reeves; publ. *Journal of Periodontology* (monthly).

American Association of Anatomists: Department of Anatomy, University of Arkansas for Medical Sciences, Little Rock, Arkansas 72201; f. 1888; 2,677 mems.; Pres. Dr. Berta V. Scharrer; Sec.-Treas. Dr. John E. Pauly; publs. *American Journal of Anatomy, Anatomical Record, Journal of Comparative Neurology.*

American Association of Pathologists, Inc.: 9650 Rockville Pike, Bethesda, Md. 20014; f. 1976; Pres. G. Barry Pierce, m.d.; Sec.-Treas. Peter A. Ward, m.d.; publ. *American Journal of Pathology* (monthly).

American Cancer Society Inc.: 777 Third Ave., New York, N.Y., 10017; f. 1913; voluntary health agency; library of over 14,000 vols.; Chair. of Board of Dirs. Hon. Joseph H. Young; Sec. G. Robert Gadberry; publs. *Cancer News*† (semi-annually), *Cancer* (monthly), *Ca—A Cancer Journal for Clinicians*† (bi-monthly).

American College of Obstetricians and Gynecologists: 1 East Wacker Drive, Chicago, Ill. 60601; f. 1951; 19,000 mems.; Pres. Richard T. F. Schmidt, m.d.; Sec. George M. Ryan, Jr., m.d.; publ. *Obstetrics and Gynecology* (monthly).

American College of Physicians: 4200 Pine St., Philadelphia, Pa. 19104; f. 1915; 12,890 Fellows, 134 Masters, 7,821 mems., 9,345 Associates; Exec. Robert Moser, m.d.; publ. *Annals of Internal Medicine* (monthly).

American College of Surgeons: 55 East Erie St., Chicago, Ill. 60611; f. 1913; 40,000 Fellows; Dir. Dr. C. Rollins Hanlon; Sec. W. Eugene Stern, m.d.; publs. *Surgery, Gynecology and Obstetrics* (monthly), *Yearbook* (triennially), *Bulletin*† (monthly).

American Dental Association: 211 East Chicago Ave., Chicago, Ill. 60611; f. 1859; 131,000 mems.; library of 30,000 vols.; Exec. Dir. C. Gordon Watson, d.d.s.; publs. *Journal* (monthly), *ADA News* (bi-weekly), *Journal of Oral Surgery* (monthly), *ADA Leadership Bulletin* (fortnightly), *Washington News Bulletin* (irregular), *Index to Dental Literature* (quarterly), *Dental Abstracts* (monthly), *Oral Research Abstracts* (monthly), *Journal of Endodontics* (monthly), *American Dental Directory* (annual), *Accepted Dental Therapeutics* (every 2 years), *Guide to Dental Materials and Devices* (every 2 years).

American Dietetic Association, The: 430 North Michigan Ave., Chicago, Ill. 60611; f. 1917; to advance the science of dietetics; to promote education in these and allied fields; 36,203 mems.; library of 1,500 vols.; Pres. Louise Hamilton, R.D.; Sec.-Treas. Mrs. Mary DeMarco, R.D.; publ. *Journal* (monthly).

American Geriatrics Society: 10 Columbus Circle, New York 10019; f. 1942; 9,000 mems.; Pres. Charles R. Beber, M.D.; Exec. Dir. Kathryn S. Henderson; publ. *Journal of the American Geriatrics Society*.

American Gynecological Society: f. 1876; 247 Fellows, 11 Hon. Fellows; Sec. Dr. T. N. Evans, 275 E. Hancock Ave., Detroit, Mich. 48201.

American Heart Association: 7320 Greenville Ave., Dallas, Tex. 75231; 120,000 mems.; to support cardiovascular research and bring its benefits to the public through professional education and community service programmes, to co-ordinate efforts of all medical and lay groups in combating cardiovascular diseases, and to inform the public of progress in the cardiovascular field; Pres. Harriet Dustan, M.D.; Exec. Vice-Pres. William W. Moore; publs. *Stroke*†, *Circulation*†, *Circulation Research*†, *Modern Concepts of Cardiovascular Disease*†, *Cardiovascular Nursing*†, *Current Concepts of Cerebrovascular Disease—Stroke*.

American Hospital Association: 840 North Lake Shore Drive, Chicago, Ill. 60611; f. 1898 to promote public welfare through leadership and assistance to members in provision of better health care and services for all; 24,731 personal mems.; 6,575 institutional mems.; library of 32,000 vols.; Pres. John Alexander McMahon; publs. *Trustee* (monthly), *Volunteer Leader* (quarterly), *Hospitals Journal of the A.H.A.* (fortnightly), *Hospital Medical Staff* (monthly), *Hospital Week* (weekly), *Washington Developments* (fortnightly).

American Institute of Nutrition: 9650 Rockville Pike, Bethesda, Md. 20014; f. 1928; 1,700 mems.; to develop and extend knowledge of nutrition and to facilitate personal contact between investigators in nutrition and related fields of interest; Pres. H. N. Munro; Sec. G. M. Owens; publ. *The Journal of Nutrition*.

The American Laryngological, Rhinological and Otological Society, Inc.: f. 1895; approx. 700 mems.; Exec. Sec. Richard L. Ruggles, M.D.; Admin. Asst. Ann R. Holm, 2954 Dorman Rd., Broomall, Pa. 19008.

American Lung Association: 1740 Broadway, New York, N.Y. 10019; f. 1904 as the National Association for the Study and Prevention of Tuberculosis; Pres. Ethelene J. Crockett, M.D.; Man. Dir. Charles R. Kiesewetter; publ. *ALA Bulletin* (monthly, except February and August); 260 affiliated associations throughout the country.

The Medical Section of the ALA, the American Thoracic Society, has a membership of over 7,500, including some 650 pulmonary physicians in foreign countries; Exec. Sec. Sandy Iannotta; publ. *American Review of Respiratory Disease* (monthly).

American Medical Association: 535 North Dearborn St., Chicago, Ill. 60610; f. 1847; 179,900 mems.; Pres. John H. Budd; Exec. Vice-Pres. James H. Sammons, M.D.; publs. *Journal of the American Medical Association* (weekly), *American Medical News* (weekly), nine special journals (monthly), *American Medical Directory* (irregular).

American Medical Technologists: 710 Higgins Rd., Park Ridge, Ill. 60068; f. 1939; 14,300 mems.; Pres. William Young, M.T.; Vice-Pres. Orten C. Skinner, M.T.; Sec. John Sherer, M.T.; publ. *Journal of the American Medical Technologists* (bi-monthly).

American Medical Women's Association, Inc.: 1740 Broadway, New York, N.Y. 10019; f. 1915; professional assn. for women physicians; Pres. Claudine M. Gay, M.D.; Exec. Dir. Lorraine Loesel; publ. *Journal* (monthly).

American Neurological Association: c/o Cincinnati General Hospital, Cincinnati, O. 45229; f. 1875; 530 mems.; Pres. Clark H. Millikan; Sec.-Treas. Samuel A. Trufant; publ. *Transactions* (annual).

American Occupational Therapy Association, Inc.: 6000 Executive Blvd., Rockville, Md. 20852; f. 1917; 25,000 mems.; Pres. Mae D. Hightower Vandamm, O.T.R.; Exec. Dir. James J. Garibaldi; publs. *The American Journal of Occupational Therapy* (10 per year), *Newspaper* (monthly).

American Optometric Association, Inc.: 243 N. Lindbergh Blvd., St. Louis, Mo. 63141; f. 1898; to promote the art and science of optometry, to improve optical care and health of the public; 20,300 mems.; Exec. Dir. Richard W. Averill; publs. *Journal* (monthly), *News* (fortnightly).

American Pediatric Society: f. 1888; 659 active mems.; Sec.-Treas. David Goldring, M.D., 500 South Kingshighway, St. Louis, Mo. 63110.

American Physical Therapy Association: 1156 15th St., N.W., Washington, D.C. 20005; f. 1921, inc. 1930; to develop and improve physical therapy education, practice and research; 25,000 mems.; Exec. Dir. Royce P. Noland; publs. *Physical Therapy* (journal).

American Physiological Society: 9650 Rockville Pike, Bethesda, Maryland 20014; f. 1887; 5,300 mems.; Exec. Sec. Orr E. Reynolds; publs. *American Journal of Physiology*, *Journal of Applied Physiology*, *The Physiologist*, *Journal of Neurophysiology*, *Handbook of Physiology*.

American Psychiatric Association: 1700 18th St., N.W., Washington, D.C. 20009; f. 1844; 23,000 mems.; Sec. H. Keith H. Brodie, M.D.; Med. Dir. Melvin Sabshin; publ. *American Journal of Psychiatry* (monthly).

American Public Health Association: 1015 18th St., N.W., Washington, D.C. 20036; f. 1872; 23,000 mems.; Exec. Dir. William H. McBeath, M.D., M.P.H.; publs. *American Journal of Public Health* (monthly), *The Nation's Health* (monthly), *Health Laboratory Science* (quarterly).

American Rheumatism Association: 10 Columbus Circle, New York, N.Y. 10019.

American Roentgen Ray Society: f. 1900; 1,200 active mems.; Sec. James F. Martin, M.D., Bowman Gray School of Medicine, 300 S. Hawthorne Rd., Winston-Salem, N.C. 27103; publs. *American Journal of Roentgenology* (monthly).

American Social Health Association: 1740 Broadway, New York, N.Y. 10019; f. 1912; Pres. Bruce Webster, M.D.; Exec. Dir. Earle G. Lippincott; Sec. Joyce Yerwood, M.D.; publ. *Social Health News* (monthly).

American Society for Clinical Investigation: f. 1907; 1,640 mems.; Pres. Jean D. Wilson, M.D., Dept. of Medicine, Univ. of Texas, Southwestern Medical School, Dallas, Tex. 75235; Vice-Pres. Mart Mannik, M.D.; publ. *Journal of Clinical Investigation* (monthly).

American Society for Medical Technology: Bellaire, Tex. 77401; f. 1933; *c.* 29,000 mems.; there are constituent societies according to states, and district societies within the states; Exec. Vice-Pres. Nancy Preuss; publs. *The American Journal of Medical Technology*.

American Society for Microbiology: 1913 I St., N.W., Washington, D.C. 20006; f. 1899, under present name 1961; 27,000 mems.; Pres. Dr. A. Frederick Rasmussen, Jr.; Exec. Dir. R. F. Acker; Exec. Sec. R. W. Sarber; publs. *Journal of Bacteriology* (monthly), *Applied and Environmental Microbiology* (monthly), *Journal of Virology* (monthly), *Infection and Immunity* (monthly), *Bacteriological Reviews* (quarterly), *ASM News* (monthly), *Antimicrobial Agents and*

Chemotherapy (monthly), *Journal of Clinical Microbiology* (monthly), *Abstracts of the Annual Meeting* (annual).

American Society for Pharmacology and Experimental Therapeutics, Inc.: 9650 Rockville Pike, Bethesda, Md. 20014; f. 1908; 2,600 mems.; Pres. Dr. Bert N. Ladu, Jr.; Exec. Officer Dr. Houston Baker; publs. *Journal of Pharmacology and Experimental Therapeutics* (monthly), *Pharmacological Reviews* (quarterly), *The Pharmacologist* (quarterly), *Molecular Pharmacology* (bi-monthly), *Rational Drug Therapy* (monthly), *Clinical Pharmacology and Therapeutics* (monthly), *Drug Metabolism and Disposition* (bi-monthly).

American Society of Clinical Pathologists: 2100 West Harrison St., Chicago, Ill. 60612; f. 1922; over 20,000 mems.; library of 25,000 vols.; Pres. Frank B. Walker, m.d.; Sec. L. P. James, Jr., m.d.; publs. *American Journal of Clinical Pathology, Laboratory Medicine.*

American Society of Human Genetics: St. Christopher's Hospital for Children, 2600 North Lawrence St., Philadelphia, Pa. 19133; f. 1948; 1,500 mems.; Pres. H. Eldon Sutton, ph.d.; Sec. Hope H. Punnett, ph.d.; publ. *American Journal of Human Genetics* (6 a year).

American Society of Tropical Medicine and Hygiene: P.O.B. 295, Kensington, Md.; f. 1903; 1,250 mems.; Sec.-Treas. Dr. G. M. Jeffery; publs. *American Journal of Tropical Medicine and Hygiene, Tropical Medicine and Hygiene News.*

American Speech and Hearing Association: 9030 Old Georgetown Road, Washington, D.C. 20014; f. 1925; 23,500 mems.; Exec. Sec. Kenneth O. Johnson, ph.d.; publs. *Journal of Speech and Hearing Disorders* (quarterly), *Journal of Speech and Hearing Research* (quarterly), *Asha* (monthly), *Language Speech and Hearing Services in Schools* (quarterly).

American Surgical Association: f. 1880; 650 mems.; Sec. James V. Maloney, Jr., m.d., U.C.L.A. Medical Center, Los Angeles, Calif. 90024; publs. *Transactions* (annual), *Annals of Surgery.*

American Urological Association, Inc.: 1120 North Charles St., Baltimore, Md. 21201; f. 1902; 4,000 mems.; Pres. Dr. Earl F. Nation; Sec. Dr. Herbert Brendler; publ. *Journal of Urology.*

Armed Forces Institute of Pathology: 6825 16th St., N.W., Washington, D.C. 20306; est. 1862 as Army Medical Museum, changed to Armed Forces Institute of Pathology in 1949; it is the central laboratory of pathology for the Department of Defence serving the needs of the U.S. Army, Navy, Air Force, the Veterans' Administration and of other Federal agencies. It is organized into: Center for Advanced Pathology, Center for Advanced Medical Education, AFIP Repository and Research Services, Medical Illustration Services and Armed Forces Medical Museum; Dir. Capt. Elgin C. Cowart, Jr., m.c., U.S. Navy.

Association of American Medical Colleges: One Dupont Circle, N.W., Washington, Suite 200, D.C. 20036; f. 1876; 123 operational U.S. medical schools, over 400 teaching hospitals; Pres. John A. D. Cooper, m.d., ph.d.; publs. *Journal of Medical Education* (monthly), *AAMC Directory of Medical Education, AAMC Curriculum Directory* (annually).

Association of American Physicians: f. 1885; 700 mems.; Sec. C. Carpenter, University Hospitals of Cleveland, 2065 Adelbert Rd., Cleveland, Ohio 44106; publ. *Transactions* (annually).

Center for the Study of Aging and Human Development: Duke University, Durham, N.C. 27710; f. 1955; trains researchers and clinicians with particular emphasis on post-doctoral training in physiological and behavioural aspects of aging; lectures, seminars and publications; Geriatric Evaluation and Treatment Clinic for direct service and in-service professional training; co-sponsors Duke Institute for Learning in Retirement; Dir. George L. Maddox, ph.d.

College of Physicians of Philadelphia: 19 South 22nd St., Philadelphia 19103, Pa.; f. 1788 (College, f. 1787); Mid-Eastern Regional Medical Library of 289,736 vols.; 1,634 Fellows; Pres. George P. Rosemond, m.d.; publ. *Transactions and Studies*†.

The Commonwealth Fund: 1 East 75th St., New York, N.Y.; f. 1918; grants for experimental and developmental programmes to strengthen medical education; Chair. of Board C. Sims Farr; Pres. Carleton B. Chapman, m.d.; publ. *Annual Report.*

Gerontological Society, Inc.: 1835 K. St., N.W., Suite 305, Washington, D.C. 20006; 5,100 mems.; Exec. Dir. Edwin Kaskowitz; publs. *Journal of Gerontology, The Gerontologist.*

Gorgas Memorial Institute of Tropical and Preventive Medicine, Inc.: 2007 Eye St., N.W., Washington, D.C. 20006; f. 1921; non-profit, biomedical research and training organization; Pres. Jack W. Millar, m.d; Vice-Pres. Hamilton B. Webb, m.d.; Sec. Mary E. Corning; Research Agency: Gorgas Memorial Laboratory, Apartado 6991, Panama 5, R. de P.; Dir. Abram S. Benenson, m.d.; publs. *Annual Report*†, *Scientific Papers*†.

Industrial Health Foundation, Inc.: 5231 Center Ave., Pittsburgh, Pa. 15232; f. 1935; a non-profit organization for the advancement of healthy working conditions in industry; 150 member companies and associations; library of 2,000 vols.; Chair. M. O. Colwell, m.d.; Pres. D. C. Braun, m.d.; Chair. Edward J. Slack; publs. *Industrial Hygiene Digest* (monthly), special technical bulletins.

Institute of Medicine: *see* National Academy of Sciences.

The John A. Hartford Foundation, Inc.: 405 Lexington Avenue, New York, N.Y. 10017; f. 1929 by John A. Hartford and George L. Hartford; medical research, with emphasis on the need to reduce the time between laboratory findings and their application in the care and treatment of patients; Pres. Ralph W. Burger; Admin. Vice-Pres. E. Pierre Roy; Vice-Pres. Harry George; Sec. Harold D. Hoag.

The John and Mary R. Markle Foundation: 522 Fifth Avenue, New York, N.Y. 10036; f. 1927 by an endowment given by John Markle, chartered by the State of New York; supports medical research and teaching by grants to institutions; 12 mems.; Pres. John M. Russell; Sec. Virginia Dunlap; publ. *Annual Report.*

Medical Society of the State of New York: 420 Lakeville Rd., Lake Success, New York, N.Y. 11040; f. 1807; 27,186 mems.; Exec. Vice-Pres. Henry I. Fineberg, m.d.; publs. *New York State Journal of Medicine* (monthly), *Medical Directory of New York State* (biennially), *News of New York* (monthly news-bulletin).

Mental Health Association: 1800 North Kent St., Suite 200, Arlington, Va. 22209; f. 1950; 42 State Divisions, 803 Local Chapters; Pres. Arnold Barach; Exec. Dir. Brian O'Connell; publ. *In Touch.*

The National Foundation: 800 Second Ave., New York, N.Y. 10017; f. 1938 as The National Foundation for Infantile Paralysis Inc., name and programme changed in 1958; present activities include broad basic and clinical research in birth defects, patient care through a network of 100 birth defects centres, professional education and support of the Salk Institute for Biological Studies; membership: 3,100 chapters; Pres. Basil O'Connor; publ. *Annual Report.*

National Society for Medical Research: 1000 Vermont Ave., N.W., Suite 1100, Washington, D.C. 20005; f. 1946; Pres. Dr. Clarence Dennis; Sec.-Treas. Dr. Bernard Zimmerman; publ. *NSMR Bulletin*† (monthly).

New York Academy of Medicine: 2 East 103rd St., New York, N.Y. 10029; f. 1847; 3,500 mems.; library of 440,000 vols., 180,000 pamphlets; Pres. Dr. Jose M. Ferrer; Sec. Dr. John M. Cotton; publ. *Bulletin* (monthly).

The Radiological Society of North America, Inc.: One Mony Plaza, Syracuse, N.Y. 13202; f. 1915; 7,808 mems.; Pres. John W. Beeler, m.d.; Sec. Theodore A. Tristan, Jr., m.d.; publ. *Radiology*.

Society for Developmental Biology: c/o Secretary, Dept. of Zoology, Arizona State University, Tempe, Ariz. 85281; f. 1939; 1,386 mems.; Pres. Irwin Konigsberg; Sec. Winifred Doane; publs. *Developmental Biology*, *Annual Symposia*.

Society of Medical Jurisprudence: Lenox Hill Hospital, 1086 Lexington Ave., New York, N.Y.; org. and inc. 1883; investigation, study and advancement of the science of medical jurisprudence, and the attainment of a higher standard of medical testimony; members must be physicians, lawyers, chemists or forensic odontologists of good standing in their respective professions, or teachers in approved Law or Medical Schools; total membership 550–600; Sec. William A. Narducci, 1285 Ave. of the Americas, New York, N.Y. 10019; publ. *Proceedings* (intermittent).

Museology

American Association of Museums: 1055 Thomas Jefferson St., N.W., Washington, D.C. 20007; f. 1906; promotes museums as cultural resources and represents interests of museum profession; membership consists of 3,512 individuals, 1,194 institutions and 315 libraries, 422 trustees, 140 foreign mems.; the Association is governed by a board of councillors, who are museum directors; Pres. Kenneth Starr; Dir. Lawrence L. Reger; publs. *Museum News* (6 a year), *Aviso* (monthly), series of technical papers, *The Official Museum Directory*.

Association of Art Museum Directors: P.O.B. 620, Lenox Hill Station, New York, N.Y. 10021; f. 1916 to promote the development of a scholarly and creative role for art museums and their directors in the cultural life of the nation; to apply its members' knowledge and experience in the field of art to the promotion of the public good; to encourage communication among art museums and their directors; 150 mems.; Pres. Ian M. White; Sec. Tom L. Freudenheim.

Natural Sciences

General

American Association for the Advancement of Science: 1515 Massachusetts Ave., N.W., Washington, D.C. 20005; f. 1848; 131,000 mems.; Pres. Edward E. David, Jr.; Exec. Officer William D. Carey; publs. *Science* (weekly), *AAAS Science Books & Films* (quarterly), Science Compendiums, cassettes and cassette albums, etc.

Buffalo Society of Natural Sciences: Humboldt Parkway, Buffalo, N.Y. 14211; org. 1861; administers the Buffalo Museum of Science; astronomy, anthropology, biology, botany, conchology, entomology, geology, ornithology, palaeontology, primitive and oriental art, zoology; solar and lunar observatory; library of 40,000 vols.; education dept.; lectures, loan exhibits; Pres. Herbert F. Darling, Jr.; Dir. Dr. Virginia L. Cummings; publs. *Collections*†, *Bulletin*†.

Carnegie Institution of Washington: 1530 P Street, N.W., Washington, D.C. 20005; f. 1902 "to encourage, in the broadest and most liberal manner, investigation research and discovery, and the application of knowledge to the improvement of mankind"; research and education in the biological and physical sciences; 80 faculty mems.; Chair. Board of Trustees Frank Stanton; Pres. James D. Ebert; publs. *Yearbook*, *Report of the President*, *Academic Catalogue*; the Institution has the following Departments:

- **Hale Observatories:** 813 Santa Barbara St., Pasadena, Calif. 91101; f. 1904 as Mount Wilson Observatory; operated jointly with California Institute of Technology; Dir. Maarten Schmidt.
- **Geophysical Laboratory:** 2801 Upton St., N.W., Washington, D.C. 20008; f. 1906; Dir. H. S. Yoder, Jr.
- **Department of Terrestrial Magnetism:** 5241 Broad Branch Road, N.W., Washington, D.C. 20015; f. 1904; Dir. George W. Wetherill.
- **Department of Plant Biology:** Stanford, Calif. 94305; f. 1903 as Desert Laboratory; Dir. Winslow F. Briggs.
- **Department of Embryology:** 115 West University Parkway, Baltimore, Maryland 21210; f. 1914; Dir. Donald D. Brown.

Cranbrook Institute of Science: 500 Lone Pine Rd., Bloomfield Hills, Mich. 48013; f. 1930; a non-profit making organization with exhibits and educational programmes in astronomy, geology, botany, zoology, ecology, anthropology, mathematics and physics; 5,000 mems.; library of 14,000 vols.; Dir. Robert N. Bowen; publs. *Bulletins*, *Newsletter*, *Annual Reports*, etc.

Franklin Institute: Benjamin Franklin Parkway, at 20th St., Philadelphia, Pa. 19103; f. 1824; is a science education and research institution devoted to the physical sciences; its committee on Science and Arts awards the "Franklin Medal" and a number of other medals and certificates of merit; Research Laboratories, *see* under Research Institutes; the Bartol Research Foundation (Newark, Del.), est. 1921, performs basic research in cosmic radiation and nuclear physics; library of 300,000 vols., 4,000 periodicals, especially strong in physical sciences; the collection of patents numbers over 6 million; 9,000 mems.; the Institute incorporates the Science Museum and the Fels Planetarium (a Zeiss planetarium); there is an observatory open to the public; Pres. Bowen C. Dees; Chair. Charles L. Andes; publs. *Journal of the Franklin Institute* (first issued 1826), *Institute News*† (quarterly).

History of Science Society: f. 1924; 1,200 mems.; Sec. Sally Gregory Kuhlstedt, Maxwell School, Syracuse University, Syracuse, N.Y. 13210; publs. *Isis* (quarterly), *HSS Newsletter* (quarterly).

Mellon Institute: (*see* Carnegie-Mellon University under Universities).

National Science Foundation (NSF): 1800 G St., N.W., Washington, D.C. 20550; f. 1950; independent agency of the U.S. Government concerned with the advancement of science in the U.S.; it sponsors scientific research, encourages and supports improvements in science education and fosters scientific information exchange, though does not itself conduct research or carry out education projects; administers the U.S. Antarctic Research Program, International Decade of Ocean Exploration, Global Atmospheric Research Program, Ocean Sediment Coring Program; finances five national research centres; a 25-member National Science Board (Chair. Norman Hackerman) including the NSF Director (Dr. Richard C. Atkinson) develops the Foundation's plans and policies and guides its operation; publs. *Mosaic* (6 a year), *Antarctic Journal of the United States* (quarterly), *Bulletin* (10 a year).

National Science Teachers Association: 1742 Connecticut Ave., N.W., Washington, D.C. 20009; est. 1895, reorganized 1944; to advance science teaching and science education at elementary, secondary and college levels; 20,000 mems.; Pres. Edward P. Ortleb; Exec. Dir. Robert L. Silber; publs. *The Science Teacher, Science and Children, Journal of College Science Teaching.*

Sigma Xi, the Scientific Research Society of North America, Inc.: 345 Whitney Ave., New Haven, Conn. 06511; f. 1886 for the encouragement of scientific research; over 200,000 mems.; Pres. Harold G. Cassidy; Exec. Dir. Thomas T. Holme; Treas. Frederick D. Rossini; publ. *American Scientist* (bi-monthly).

Smithsonian Institution Center for Short-Lived Phenomena: 60 Garden St., Cambridge, Mass. 02138; f. 1968; receives, co-ordinates and disseminates information on short-lived natural events such as volcanic eruptions, meteorite falls, etc., sudden changes in biological and ecological systems such as animal migrations and colonizations, major occurrences of temporary pollution; *c.* 3,000 registered correspondents in 145 countries; Dir. Robert A. Citron; Programme Man. John R. Whitman; Operations Man. David R. Squires; publs. *Event Notification* and *Information Report Cards* (as necessary), *Annual Report*; *see also* Smithsonian Institution.

Biological Sciences

American Genetic Association: 1028 Connecticut Ave., N.W., Washington, D.C. 20036; f. 1903; 1,500 mems.; Sec. Dr. K. P. Bovard; publ. *Journal of Heredity* (bi-monthly).

American Institute of Biological Sciences: 1401 Wilson Blvd., Arlington, Va. 22209; mems.: 41 Adherent, 12 Affiliate societies and 7 industrial; 11,000 ord. mems.; Pres. Dr. Paul Pearson; Exec. Dir. Richard Trumbull; publ. *BioScience* (monthly).

American Malacological Union Inc., The: 3706 Rice Blvd., Houston, Tex. 77005; f. 1931; study of phylum Mollusca—taxonomy, anatomy, commercial fisheries, medical and palaeontological aspects; 750 mems.; Pres. William E. Old, Jr.; Recording Sec. Constance E. Boone; publ. *Bulletin* (annually, prior to 1971 entitled *Annual Report*).

American Ornithologists' Union: National Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560; f. 1883; scientific study of birds; 4,000 mems.; Pres. Harrison B. Tordoff; Sec. Kendall W. Corbin; publs. *The Auk*† (quarterly), *Ornithological Monographs* (irregular), *Check-List of North American Birds.*

American Phytopathological Society: f. 1908; 3,250 mems.; Exec. Vice-Pres. R. J. Tarleton, 3340 Pilot Knob Rd., St. Paul, Minn. 55121; publs. *Phytopathology, Phytopathological Classics, Phytopathological Monographs, Phytopathology News, Directory of Members.*

American Society of Ichthyologists and Herpetologists: Division of Herpetology, U.S. National Museum, Washington, D.C. 20560; f. 1913; 2,300 mems. and subscribers; Sec. Bruce B. Collette; publ. *Copeia* (quarterly).

American Society of Mammalogists: Carnegie Museum, Pittsburgh, Pa. 15213; f. 1919, inc. 1920; 3,960 mems.; object of the Society is the promotion of interest in Mammalogy by holding meetings, issuing serial or other publications, and aiding research: five classes of mems., all elective: Annual, Life, Patron, Honorary and Emeritus; the Society is affiliated with the National Academy of Sciences and the International Union for the Conservation of Nature; Sec.-Treas. Dr. Duane Schlitter; publs. *Journal of Mammalogy* (quarterly), *Mammalian Species* (irregular) and occasional monographs.

American Society of Naturalists: f. 1883; 655 mems.; Pres. Prof. Kenneth V. Thimann; Sec. Dr. Burke H. Judd, Dept. of Zoology, Univ. of Texas, Austin, Tex. 78712; publ. *The American Naturalist* (bi-monthly).

American Society of Parasitologists: f. 1924; 1,800 mems.; Sec.-Treas. C. R. Page, III, Dept. of Biology, Tulane University, New Orleans, La. 70118; publ. *The Journal of Parasitology* (bi-monthly).

American Society for Photobiology: 4720 Montgomery Lane, Bethesda, Md. 20014; f. 1972; 700 mems.; Pres. A. Lamola; Exec. Sec. R. J. Burk, Jr.; publs. *Photochemistry* and *Photobiology* (monthly), *Newsletter* (bi-monthly).

American Society of Zoologists: f. 1903; to arrange meetings and publish journal; 4,500 mems.; Business Man. Mary Wiley, Box 2739, California Lutheran College, Thousand Oaks, Calif. 91360; publ. *American Zoologist* (4 times a year).

Biophysical Society: Office of the Secretary, Univ. of Louisville Medical School, Louisville, Ky. 40208; f. 1957; 1,425 mems.; Pres. Dr. Dean Cowie; Sec. Dr. William A. Brodsky; publs. *Biophysical Journal*, abstracts of annual meetings.

Botanical Society of America, Inc.: New York Botanical Garden, Bronx, N.Y. 10458; f. 1906; 3,000 mems.; Sec. Patricia K. Holmgren; publs. *American Journal of Botany* (monthly), *Plant Science Bulletin* (quarterly).

Ecological Society of America: f. 1915; 5,000 mems.; Sec. Dr. Edward J. Kormondy, Evergreen State College, Olympia, Wash. 98505; publs. *Bulletin* (quarterly), *Ecology* (bi-monthly), *Ecological Monographs* (quarterly).

Entomological Society of America: f. 1953 by the union of the American Association of Economic Entomologists (f. 1889) and the former Entomological Society of America (f. 1906); 7,400 mems.; Exec. Dir. Wallace P. Murdoch, 4603 Calvert Rd., College Park, Maryland 20740; publs. *Annals of the Entomological Society of America* (bi-monthly), *Journal of Economic Entomology* (bi-monthly), *Environmental Entomology* (bi-monthly), *Bulletin* (quarterly), *Insecticide and Acaricide Tests* (annually), *Miscellaneous Publications of the E.S.A.* (irregular), *Pesticide Handbook—Entoma* (biennial), *Pesticide Index* (biennial).

Environmental Mutagen Society: 4720 Montgomery Lane, Bethesda, Md. 20014; f. 1969; 450 mems.; Pres. J. Drake; Administrative Officer R. J. Burk, Jr.; publ. *Mutation Research.*

Federation of American Societies for Experimental Biology: 9650 Rockville Pike, Bethesda, Maryland 20014; f. 1913; member societies—American Physiological Society, American Society of Biological Chemists, American Society for Pharmacology and Experimental Therapeutics, American Association of Pathologists, American Institute of Nutrition, American Association of Immunologists; Exec. Dir. Eugene L. Hess; publ. *Federation Proceedings* (monthly).

Genetics Society of America: c/o Business Office, P.O. Drawer U, University Sta. Austin, Tex. 78712; f. 1916; 3,200 mems.; Editor G. Lefevre; publ. *Genetics* (monthly).

Mycological Society of America: Dept. of Botany, San Francisco State Univ., San Francisco, Calif. 94132; f. 1931; 1,500 mems.; Sec.-Treas. Harry D. Thiers; publs. *Mycologia* (every 2 months), *MSA Newsletter* (2 a year), *Mycologia Memoirs* (irregular).

National Audubon Society: 950 Third Ave., New York, N.Y. 10022; f. 1905; membership: approx. 370,000; *c.* 400 local chapters; library of 18,000 books and periodical titles; Pres. Elvis J. Stahr; Exec. Vice-Pres. C. H. Callison; publs. *Audubon* (every 2 months), *American Birds* (every 2 months).

National Wildlife Federation: 1412 16th St., N.W., Washington, D.C. 20036; f. 1936; 3,500,000 mems. and supporters; Pres. F. R. Scroggin; Exec. Vice-Pres. Thomas L. Kimball; publs. *Conservation News, Conservation Report, National Wildlife Magazine*†, *International Wildlife Magazine*†, *Ranger Rick's Nature Magazine*†, *Conservation Directory*.

Natural Resources Council of America: Chair. Brock Evans; Exec. Sec. Hamilton K. Pyles, Box 20, Tracy's Landing, Md. 20869.

The Nature Conservancy: 1800 North Kent St. (No. 800), Arlington, Va. 22209; f. 1950, inc. in 1951; preservation of ecological diversity through protection of natural areas; 50,000 mems.; Pres. Patrick F. Noonan; publ. *Nature Conservancy News*† (every 2 months).

New York Zoological Society: 630 Fifth Ave., New York 20, N.Y.; f. 1895, *c*. 6,000 mems.; Pres. (vacant); Dir. Zoo Park William G. Conway; Dir. New York Aquarium Dr. Ross F. Nigrelli; publs. *Zoologica* (quarterly), *Animal Kingdom* (bi-monthly).

Society for Economic Botany: New Crops Research Branch, USDA, Beltsville, Md. 20705; f. 1959; Pres. Dr. R. Gordon Wasson; Sec. L. Williams; publ. *Economic Botany* (quarterly).

Society of Vertebrate Paleontology: Pres. S. David Webb; Sec.-Treas. Ernest L. Lundelius, Jr., Texas Memorial Museum, Balcones Res. Ctr., 10100 Burnet Rd., Austin, Tex. 78758.

Wildlife Management Institute: 709 Wire Building, Washington, D.C. 20005; inc. 1946; 400 mems.; Pres. Daniel A. Poole; Vice-Pres. L. R. Jahn; publs. *North American Wildlife and Natural Resources Conference, Transactions* (annual), *Outdoor News Bulletin* (bi-weekly).

Wildlife Society: Suite 611, 7101 Wisconsin Ave., N.W., Washington, D.C. 20014; f. 1937 to develop and promote sound stewardship of wildlife resources and of the environments upon which wildlife and man depend, to undertake an active role in preventing man-induced environmental degradation, to increase awareness and appreciation of wildlife values and to seek the highest standards in all activities of the wildlife profession; 7,300 mems.; Dir. Fred G. Evenden; publs. *Journal of Wildlife Management* (quarterly), *Wildlife Society Bulletin* (quarterly), *Wildlife Monographs*.

Mathematics

American Mathematical Society: P.O.B. 6248, Providence, R.I. 02940; f. at Columbia Univ. in 1888 as the New York Mathematical Society; inc. 1923 as American Mathematical Society; membership 15,500; Sec. Prof. Everett Pitcher; Exec. Dir. Dr. William J. Leveque; publs. *Bulletin* (every 2 months), *Proceedings, Transactions, Mathematical Reviews* (monthly), *Mathematics of Computation* (quarterly), and others.

Duodecimal Society of America, Inc.: 5631 Trinette Ave., Garden Grove, Calif. 92645; inc. 1944; 105 mems.; Chair. Charles Bagley; Pres. Tom Linton; Sec. Frieda Butler; publ. *The Duodecimal Bulletin* (2 a year).

Industrial Mathematics Society: P.O.B. 159, Roseville, Mich. 48066; f. 1949 to promote a better understanding of how mathematics may be used in the solution of complex problems in industry and various professions; 110 mems.; Pres. Douglas Hughson; Sec. Wang H. Yee; publ. *Industrial Mathematics* (twice annually).

Mathematical Association of America, Inc.: 1225 Connecticut Ave., N.W., Washington, D.C. 20036; f. 1915; 19,000 mems.; Sec. D. P. Roselle; Exec. Dir. A. B. Willcox; publs. *American Mathematical Monthly* (10 a year), *Mathematics Magazine*† (5 a year), *Two-Year College Mathematics Journal* (quarterly), monographs, studies, notes.

Physical Sciences

Acoustical Society of America: 335 East 45th St., New York, N.Y. 10017; f. 1929; 5,000 mems.; Pres. James L. Flanagan; Admin. Sec. Betty H. Goodfriend; publ. *Journal* (monthly).

American Association of Petroleum Geologists: Box 979, Tulsa, Oklahoma 74101; f. 1917; 20,000 mems.; Exec. Dir. Fred A. Dix, Jr.; publs. *Bulletin of American Association of Petroleum Geologists* and special volumes.

American Astronomical Society: Leander McCormick Observatory, Charlottesville, Va. 22903; f. 1899, inc. 1928; 3,500 mems.; Sec. Prof. Laurence W. Fredrick; publs. *The Astronomical Journal* (monthly), *Bulletin* (quarterly), *The Astrophysical Journal* (monthly), *AAS Photo Bulletin* (3 a year).

American Chemical Society: 1155 16th St., N.W., Washington, D.C. 20036; f. 1876; 110,000 mems.; Pres. Dr. Anna J. Harrison; Exec. Dir. Dr. Raymond P. Mariella; publs. include: *Chemtech, Chemical and Engineering News, Analytical Chemistry, Chemical Abstracts and its various services, Journal of Physical Chemistry, Journal of the American Chemical Society* and others.

American Crystallographic Association: 335 E. 45th St., New York, N.Y. 10017; f. 1950; 1,800 mems.; crystallography and the application of diffraction methods to the study of the arrangement of atoms in matter; Pres. Dr. Philip Coppens; Sec. Dr. Deane K. Smith; publs. *Newsletter* (6 a year), *Program and Abstracts* (booklets, 2 a year), *Transactions* (annually).

American Geological Institute: 5205 Leesburg Pike, Falls Church, Va. 22041; f. 1948; 36,000 mems.; Exec. Dir. Fred Honkala; publs. *Geotimes* (monthly), *International Geology Review* (monthly), *Bibliography and Index of Geology* (in co-operation with Geological Society of America, monthly).

American Geophysical Union: 1909 K St., N.W., Washington, D.C. 20006; f. 1919; 12,000 mems.; has ten sections: Geodesy; Seismology; Meteorology; Geomagnetism and Palaeomagnetism; Oceanography; Volcanology, Geochemistry and Petrology; Hydrology; Tectonophysics; Planetology; Solar-Planetary Relations; Pres. Allan V. Cox; Exec. Dir. A. F. Spilhaus, Jr.; publs. *Journal of Geophysical Research* (3 times a month), *Eos* (monthly), *Review of Geophysics* (quarterly), and others.

American Institute of Chemists: 60 East 42nd St., New York, N.Y. 10017; f. 1923; approx. 3,000 mems.; Pres. Dr. John L. Hickson; publ. *The Chemist*.

American Institute of Physics: 335 East 45th St., New York, N.Y. 10017; f. 1931; composed of nine societies with total membership of approx. 60,000; Dir. H. William Koch; Sec. Sidney Millman; 42 publs. including journals, bulletins, translated Russian journals and secondary information services.

American Meteorological Society: f. 1919, inc. 1920; 9,000 mems.; Pres. Dr. George P. Cressman; Exec. Dir. Dr. Kenneth C. Spengler, 45 Beacon St., Boston, Mass. 02108; publs. *Bulletin, Meteorological Monographs, Meteorological and Geoastrophysical Abstracts, Journal of Physical Oceanography, Journal of the Atmospheric Sciences, Journal of Applied Meteorology, Monthly Weather Review*.

American Microscopial Society: Department of Biology, Wake Forest University, Winston-Salem, N.C. 27109; f. 1878; 687 mems. and 699 subscribers; Custodian, Spencer-Tolles Fund Dr. Robert W. Pennak; publ. *Transactions* (quarterly).

American Nuclear Society: 555 North Kensington Ave., La Grange Park, Ill. 60515; f. 1954; 14 professional divisions and one technical group: Controlled Nuclear Fusion, Education, Environmental Sciences, Isotopes and Radiation, Materials Science and Technology, Mathematics and Computation, Nuclear Criticality Safety, Nuclear Fuel Cycle, Nuclear Reactor Safety, Power, Radiation Protection and Shielding, Reactor Operations, Reactor Physics, Remote Systems Technology, Technical Group for Alternative Energy Technologies and Systems; 51 local sections, 6 overseas local sections (one in Japan, one in Latin America, 4 in Europe); 53 student branches; 12,000 mems. including 900 overseas mems. in 40 countries; 150 organization mems.; Pres. William R. Kimel; Exec. Dir. Octave J. Du Temple; publs. *Nuclear Science and Engineering* (monthly), *Nuclear News* (15 a year), *Nuclear Technology* (15 a year), *Transactions* (twice yearly, June and Nov.), *Proceedings of the Remote Systems Technology* (yearly), *Buyers' Guide* (yearly), nuclear standards, technical monographs and topical meeting proceedings.

American Pharmaceutical Association: 2215 Constitution Avenue N.W., Washington, D.C. 20037; f. 1852; 58,000 mems.; Exec. Dir. Dr. William S. Apple; publs. *American Pharmacy, Journal of Pharmaceutical Sciences* (monthly), *Pharmacy Weekly*.

American Physical Society: 335 East 45th St., New York, N.Y. 10017; f. 1899; 29,000 mems.; Sec. Dr. W. W. Havens, Jr.; publs. *Bulletin, Physical Review, Reviews of Modern Physics, Physical Review Letters*.

American Society of Biological Chemists, Inc.: 9650 Rockville Pike, Bethesda, Md. 20014; f. 1906; 4,000 mems.; Exec. Officer R. J. Hilmoe; publ. *Journal of Biological Chemistry* (twice-monthly).

Electrochemical Society, Inc.: P.O.B. 2071, Princeton, N.J. 08540; f. 1902: approx. 4,000 mems.; Exec. Sec. V. H. Branneky; publs. *Journal* (12 issues annually), softbound symposium volumes, hardbound monograph series.

Electron Microscopy Society of America: Oak Ridge National Laboratory, P.O.B. X, Oak Ridge, Tenn. 37830; f. 1942; annual meeting, presenting technical papers and exhibits; aims to increase and diffuse knowledge of electron microscopy and related instruments and results obtained through their use; 2,700 mems.; Sec. Frances Ball; publ. *Proceedings* (annual).

Geochemical Society: Dept. of Chemistry, University of Maryland, College Park, Md. 20742; f. 1955; Pres. K. K. Turekian; Vice-Pres. Edwin Roedder; Sec. Ernest E. Angino; publ. *Geochimica et Cosmochimica Acta*.

Geological Society of America, Inc.: 3300 Penrose Place, Boulder, Colo. 80301; f. 1888; total membership 12,720; Exec. Dir. John C. Frye; publs. *Geology* (monthly), *Bulletin* (monthly), *Special Papers* (irregularly), *Memoirs* (irregularly), *Treatise on Invertebrate Paleontology* (irregularly), *Abstracts with Programs* (7 issues annually).

Mineralogical Society of America: 1909 K St., N.W., Washington, D.C. 20006; f. 1919; 2,500 mems.; Pres. Peter Wyllie; Sec. Larry Finger; publ. *The American Mineralogist* (every 2 months).

Oak Ridge Associated Universities, Inc.: P.O.B. 117, Oak Ridge, Tenn. 37830; f. 1946; educational and research corporation of 45 southern U.S. universities operating under contract with U.S. Energy Research and Development Administration and other agencies to participate in and support the nation's energy programmes. Among these activities are co-operative university-ERDA laboratory programmes, including graduate-level training opportunities and research-participation opportunities for faculty and students; public and professional education in subjects related to energy and the environment; clinical and preclinical research in radiopharmaceuticals and the effects on health of energy technologies; a marmoset research centre; manpower training for high-technology industry.

Optical Society of America: 2000 L St., N.W., Washington, D.C. 20036; f. 1916; a national organization devoted to the advancement of optics and the service of all who are interested in any phase of that science; member Society of American Institute of Physics; 7,500 mems.; Pres. Dudley Williams; Exec. Dir. Jarus W. Quinn; publs. *Journal, Applied Optics, Optics and Spectroscopy, Soviet Journal of Optical Technology, Optics Letters* (all monthly), *Optics News* (quarterly).

Paleontological Society: f. 1909 to publish and disseminate palaeontological research; 1,650 mems.; associated with the Geological Society of America; Sec. Walter C. Sweet, Dept. of Geology, Ohio State University, Columbus, Ohio 43210; publs. *Journal of Paleontology* (every 2 months), *The Paleontological Society Memoirs* (irregular), *Paleobiology* (quarterly), *News and Notes* (quarterly).

Seismological Society of America: 2620 Telegraph Ave., Berkeley, Calif. 94704; f. 1906; 1,600 mems.; seismology, earthquake engineering, earthquake geology, etc.; Sec. quake engineering, earthquake geology, etc.; Sec. W. K. Cloud; publ. *Bulletin* (bi-monthly).

Society of Economic Geologists: 185 Estes St., Lakewood, Colo. 80226; f. 1920; 1,500 mems.; Pres. E. L. Ohle; Pres. from April 1975 P. K. Sims; Sec. A. L. Brokaw; publ. *Economic Geology* (8 times yearly).

Society of Economic Paleontologists and Mineralogists: P.O.B. 4756, Tulsa, Okla. 74104; f. 1926; 4,500 mems.; Sec.-Treas. J. D. Howard; publs. *Journal of Paleontology* (bi-monthly), *Journal of Sedimentary Petrology* (quarterly).

Philosophy and Psychology

American Philosophical Association: f. 1900; 6,000 mems.; to promote the exchange of ideas among philosophers, to encourage creative and scholarly activity in philosophy and to facilitate the professional work of teachers of philosophy; Chair. Ruth Barcan Marcus; Sec. John O'Connor, Univ. of Delaware, Newark, Del. 19711; publs. *Proceedings and Addresses of APA members, Jobs in Philosophy, Grants and Fellowships*.

American Psychological Association: f. 1892; 37,000 mems.; Exec. Officer Kenneth B. Little, 1200 17th St., N.W., Washington, D.C. 20036; publs. *American Psychologist* (monthly), *APA Monitor* (monthly), *Psychological Abstracts* (monthly), and twelve others.

The Metaphysical Society of America: c/o Sec./Treas., Marc F. Griesbach, Marquette University, Milwaukee, Wis. 53233; 700 mems.; f. 1950 to study metaphysical problems without regard to professional, racial, religious and regional boundaries; Pres. Marjorie Grene.

Philosophy of Science Association: Philosophy Dept., Michigan State University, East Lansing, Mich.; f. 1934 to further studies and free discussion in the field of philosophy of science; 1,000 mems.; Pres. Mary B. Hesse; Exec. Sec. Peter D. Asquith; publs. *Philosophy of Science* (quarterly), *Newsletter* (quarterly), *Proceedings of Biennial Meetings*.

Psychometric Society: Educational Testing Service, Princeton, N.J. 08540; f. 1935; 850 mems.; Sec. W. B. Schrader; publ. *Psychometrika* (quarterly).

Religion, Sociology and Anthropology

African Studies Association: 218 Shiffman Humanities Center, Brandeis University, Waltham, Mass. 02154; f. 1957; 2,300 mems.; encourages research and collects and disseminates information on Africa; Pres. John Marcum; Sec. J. Duffy; publs. *Bulletin, Newsletter, Issue.*

American Anthropological Association: 1703 New Hampshire Ave., N.W., Washington, D.C. 20009; f. 1902; 10,200 mems., 2,180 Fellows; Pres. Paul J. Bohannan; Exec. Dir. E. J. Lehman; publs. *American Anthropologist, Anthropology, Newsletter, American Ethnologist.*

American Asiatic Association: India House, 1 Hanover Square, New York 4, N.Y.; f. 1898; 46 mems.; Pres. M. Zuckerman; Sec. D. G. Allen, c/o Manufacturers Hanover Trust Co., 44 Wall Street, New York 4, N.Y.

American Council of Learned Societies: 345 East 46th St., New York, N.Y. 10017; f. 1919; 42 societies concerned with the humanities and the humanistic aspects of the social sciences; Pres. Dr. R. M. Lumiansky; publs. *Annual Report, Newsletter* (4 times a year).

American Eugenics Society, Inc.: 230 Park Ave., New York, N.Y. 10017; f. 1926; 500 mems.; Pres. Dr. Dudley Kirk; Sec. Carl Bajema; publ. *Social Biology.*

American Folklore Society, Inc.: 1703 New Hampshire Ave., N.W., Washington, D.C. 20009; f. 1888; 2,800 mems.; Sec.-Treas. David J. Hufford; publs. *Journal of American Folklore* (quarterly), *Publications.*

American Oriental Society: 329 Sterling Memorial Library, Yale Station, New Haven, Conn.; f. 1842; 1,900 mems.; library of 19,560 vols.; Pres. George F. Hourani; Sec. Stanley Insler; publ. *Journal of the American Oriental Society* (quarterly).

American Personnel and Guidance Association: 1607 New Hampshire Ave., N.W., Washington, D.C. 20009; f. 1952; 42,000 mems.; 12 divisions: American College Personnel Asscn., Asscn. for Counselor Education and Supervision, National Vocational Guidance Asscn., Asscn. for Humanistic Education and Development, American School Counselor Asscn., American Rehabilitation Counseling Asscn., Asscn. for Measurement and Evaluation in Guidance, National Employment Counselors Asscn., Asscn. of Non-White Concerns in Personnel and Guidance, Asscn. for Religion and Values in Counseling, Asscn. of Specialists in Group Work, Public Offender Counselors Asscn., American Mental Health Counselors Asscn.; Exec. Dir. Dr. Charles L. Lewis.

American Society for Ethnohistory: Arizona State Museum, University of Arizona, Tucson, Ariz. 85721; f. 1953; 1,200 mems.; to promote and encourage research into the documentary history of the culture of primitive peoples, and related problems; Sec.-Treas. J. E. Ayres; publ. *Ethnohistory.*

American Sociological Association: 1722 N St., N.W., Washington, D.C. 20036; f. 1905; 14,500 mems.; Pres. Hubert M. Blalock, Jr.; Exec. Officer Russell Dynes; publs. *The American Sociological Review* (every 2 months), *Social Psychology, Sociology of Education, The American Sociologist, Journal of Health and Social Behavior* (quarterly), *Contemporary Sociology* (every 2 months).

American Studies Association: 4025 Chestnut St. T7, University of Pennsylvania, Philadelphia, Pa. 19104; f. 1951; research and teaching in the field of U.S. culture; 3,000 individual mems., 200 institutions; Pres. Wilcomb E. Washburn; Exec. Dir. Roberta K. Gladowski; publ. *American Quarterly.*

Association for Asian Studies, Inc.: Lane Hall, University of Michigan, Ann Arbor, Mich. 48109; f. 1941; Sec.-Treas. L. A. Peter Gosling; publs. *Bibliography of Asian Studies, Journal of Asian Studies, Asian Studies Newsletter, Doctoral Dissertations on Asia.*

Association for the Study of Negro Life and History, Inc.: 1407 14th St., N.W., Washington, D.C. 20005; f. 1915; 25,000 mems.; Pres. Charles Walker Thomas; Exec. Dir. Irven E. Washington; Sec.-Treas. C. W. Thomas; publs. *Negro History Bulletin* (8 times yearly), *Journal of Negro History* (quarterly).

National Association for the Advancement of Colored People: 1790 Broadway, New York, N.Y. 10019; f. 1909; civil rights organization; 412,000 mems.; Pres. Dr. W. Montague Cobb; Chair. Board of Dirs. Margaret Bush Wilson; Exec. Dir. Benjamin L. Hooks; publs. *The Crisis* (10 issues annually).

National Institute of Social Sciences: 271 Madison Ave., New York 16, N.Y.; f. 1899; 450 mems.; Sec. Miss Rosina Hahn.

Pacific Sociological Association: Dept. of Sociology, Arizona State University, Tempe, Ariz. 85281; 700 mems.; Pres. Robert Dubin; Sec.-Treas. Mary Laner; publ. *Pacific Sociological Review.*

Population Association of America, Inc.: f. 1932; 2,500 mems.; Sec. James W. Brackett, P.O.B. 14182, Benjamin Franklin Station, Washington, D.C. 20044; publs. *Demography, Population Index, PAA Affairs.*

The Population Council, Inc.: 245 Park Ave., New York, N.Y. 10017; Centre for Biomedical Research, The Rockefeller University, York Ave. at 66th St., New York, N.Y. 10021; f. 1952; scientific research related to population problems; a wide range of technical and professional services; collaborates with other institutions; Chair. Board of Trustees John D. Rockefeller, 3rd; Pres. George Zeidenstein; Senior Vice-Pres. and Dir. Centre for Biomedical Research Sheldon J. Segal; Vice-Pres. and Dir. Centre for Policy Research Paul Demeny; Vice-Pres. and Treas. James Bausch; publs. *Annual Reports, Studies in Family Planning, Current Publications in Population/Family Planning, Country Profiles, Reports on Population/Family Planning, Population and Development Review,* books and occasional papers (monographs).

Russell Sage Foundation: 230 Park Ave., New York, N.Y. 10017; inc. 1907; to promote improvement of social and living conditions in the United States; supports social science research in policy analysis, culture, citizenship, bureaucracies and professions; Chair. Oscar M. Ruebhausen; Pres. David B. Truman; Sec. Warren H. Bacon; publs. reports, *Annual Report and Catalogue.*

Society for Applied Anthropology: 1703 New Hampshire Ave., N.W., Washington, D.C. 20009; f. 1941; 2,380 mems.; Pres. Alvin W. Wolfe; publs. *Human Organization* (quarterly), Monograph Series.

Society for the Study of Evolution: Biology Dept., Harvard University, Cambridge, Mass. 02138; f. 1946 to promote the study of organic evolution and the integration of the various fields of science concerned with evolution; Pres. P. Raven; Sec. Otto T. Solbrig; publ. *Evolution.*

Technology

American Ceramic Society, Inc.: 65 Ceramic Dr., Columbus, Ohio 43214; f. 1899; 7,082 individual mems., 267 corporation mems.; Exec. Dir. Clarence E. Seeley (acting); publs. *Journal, Ceramic Abstracts* (both every 2 months), *Ceramic Bulletin* (monthly).

American Institute of Aeronautics and Astronautics: 1290 Ave. of the Americas, N.Y. 10019; f. 1932; 22,300 professional, 3,500 student mems.; Pres. F. A. Cleveland; Exec. Sec. James Harford; publs. *Astronautics & Aeronautics* (includes *AIAA Bulletin, Journal,*

Journal of Spacecraft and Rockets, Journal of Aircraft, Journal of Energy, Journal of Hydronautics, International Aerospace Abstracts, AIAA Journal.

American Institute of Chemical Engineers: 345 East 47th St., New York, N.Y. 10017; f. 1908; 40,000 mems.; Pres. W. H. CORCORAN; Exec. Dir. J. CHARLES FORMAN; publs. *A.I.Ch.E. Journal* (bi-monthly), *Chemical Engineering Progress* (monthly), *International Chemical Engineering* (quarterly), Monograph and Symposium Series.

American Institute of Consulting Engineers: United Engineering Center, 345 East 47th St., New York, N.Y. 10017; f. 1910; 440 mems.; Sec. E. L. WEMPLE; publs. *Directory and Proceedings, Consulting Engineering.*

American Institute of Industrial Engineers, Inc.: 25 Technology Park Atlanta, Norcross, Ga. 30092; f. 1948; 28,000 mems.; Exec. Dir. DAVID BELDEN; publs. *Industrial Engineering* (monthly), *AIIE Transactions, The Engineering Economist* (quarterly).

American Institute of Mining, Metallurgical and Petroleum Engineers, Inc.: 345 East 47th St., New York, N.Y. 10017; f. 1871; 67,589 mems.; Pres. WAYNE L. DOWDEY; Exec. Dir. JOE B. ALFORD; publs. *Mining Engineering, Journal of Metals, Iron and Steelmaker, Journal of Petroleum Technology* (monthly), *Metallurgical Transactions A* (monthly), *Metallurgical Transactions B* (quarterly), *Society of Petroleum Engineers Journal* (every 2 months), *Society of Mining Engineers Transactions and Society of Petroleum Engineers Transactions* (annually).

American Iron and Steel Institute: 1000 16th St., N.W., Washington, D.C. 20036; Pres. FREDERICK C. LANGENBERG; Vice-Pres. and Sec. JAMES J. HUGHES.

American National Standards Institute: 1430 Broadway, New York, N.Y. 10018; f. 1918; Pres. FRANK J. FEELY, Jr.; Exec. Vice-Pres. and Sec. DONALD L. PEYTON; publ. *Reporter/Standards Action* (bi-weekly).

American Society for Engineering Education: f. 1893; 13,000 mems., 550 institutional mems.; for the advancement of education in all of its functions which pertain to engineering and allied branches of science and technology including teaching, counselling, research, etc.; Exec. Dir. D. E. MARLOWE, Suite 400, One Dupont Circle, Washington, D.C. 20036; publs. *Engineering Education* (8 a year), *Engineering Education News* (monthly), *Chemical Engineering Education, Engineering Economist, Educational Research and Methods, Mechanical Engineering News, Technos* (all 4 a year), *Engineering Design Graphics Journal* (3 a year), and *Annual Directory of Engineering College Research and Graduate Study.*

American Society for Metals: Metals Park, Ohio 44073; f. 1913; 42,000 mems.; Man. Dir. A. R. PUTNAM; publs. *Metal Progress* (monthly), *Metallurgical Transactions A & B* (with TMS-AIME), *Metals Handbook, ASM News, Metals Abstracts* (monthly), *Metals Abstracts Index* (monthly), *Metal Progress Databook* (annually), *International Metals Reviews* (quarterly, with The Metals Society), *Ironmaking and Steelmaking* (quarterly, with The Metals Society), *Digest Series* (9 publications monthly), *Alloys Index.*

American Society for Testing and Materials: 1916 Race St., Philadelphia, Pa. 19103; inc. 1902; 26,000 mems.; Pres. JOSEPH G. O'GRADY; Man. Dir. W. T. CAVANAUGH; publs. *Proceedings* (annually), *ASTM Book of Standards* (annually), *Journal of Testing and Evaluation* (bi-monthly), *Standardization News* (monthly), *Journal of Forensic Sciences* (quarterly), *Tire Science and Technology* (quarterly), *Geotechnical Testing Journal* (quarterly), *Cement, Concrete and Aggregates* (2 a year).

American Society of Agricultural Engineers: Box 410, Saint Joseph, Michigan 49085; f. 1907; 7,800 mems.; Exec. Vice-Pres. J. L. BUTT; publs. *Agricultural Engineering* (monthly), *Agricultural Engineers' Yearbook* (annual), *Transactions of the A.S.A.E.* (bi-monthly), proceedings and books.

American Society of Civil Engineers: 345 East 47th St., New York, N.Y. 10017; f. 1852; 68,000 mems.; Exec. Dir. EUGENE ZWOYER; publs. *Proceedings* (monthly), *Transactions* (annually), *Civil Engineering, ASCE* (monthly), *ASCE Publications Abstracts* (bi-monthly).

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.: 345 East 47th Street, New York, N.Y. 10017; f. 1959 bv merger of the American Society of Heating and Air Conditioning Engineers and the American Society of Refrigerating Engineers; approx. 30,000 mems.; Sec. and Exec. Dir. A. T. BOGGS III; publs. *ASHRAE Journal* (monthly), *ASHRAE Handbook & Product Directory* (annual), *Standards, Transactions* (annual).

The American Society of Mechanical Engineers: United Engineering Center, 345 East 47th St., New York, N.Y. 10017; f. 1880; 84,782 mems.; Pres. ORVAL L. LEWIS; Exec. Dir. and Sec. R. B. FINCH; publs. *Mechanical Engineering* (monthly), *Applied Mechanics Reviews* (monthly), Transactions (divided into 11 periodicals, each published quarterly): *Journal of Engineering for Power, Journal of Engineering for Industry, Journal of Applied Mechanics, Journal of Heat Transfer, Journal of Lubrication Technology, Journal of Dynamic Systems, Measurement and Control, Journal of Fluids Engineering, Journal of Engineering Materials and Technology, Journal of Pressure Vessel Technology, Journal of Biochemical Engineering, Journal of Mechanical Design.*

The American Society of Naval Engineers, Inc.: 1012 14th St., Suite 807, N.W., Washington, D.C. 20005; f. 1888; 4,300 mems.; Pres. IVAN MONK; Sec.-Treas. Capt. FRANK G. LAW, U.S.N., retd.; publ. *Naval Engineers Journal* (6 a year).

American Society of Photogrammetry: 105 North Virginia Ave., Falls Church, Va. 22046; f. 1934; 7,000 mems.; Exec. Dir. WILLIAM D. FRENCH; publs. *Manuals of Photogrammetry, Color Aerial Photography, Manual of Remote Sensing, Photogrammetric Engineering and Remote Sensing*† (monthly).

American Welding Society: 2501 N.W. 7th St., Miami, Fla. 33125; f. 1919; 27,000 mems.; Pres. ALEXANDER LESNEWICH; publs. *Welding Journal* (monthly), *Welding Handbook* (biennial).

Association of Consulting Chemists and Chemical Engineers, Inc.: 501 Fifth Ave., New York, N.Y. 10017; f. 1928; 125 mems.; Exec. Sec. H. A. LONG, Jr.; publ. *Consulting Services.*

Edison Electric Institute: 90 Park Ave., New York, N.Y. 10016; f. 1933; mems. U.S. electric companies; Pres. WILLIAM MCCOLLAM, Jr.

Engineering Foundation: 345 East 47th St., New York N.Y. 10017; f. 1914 to administer trust funds for the furtherance of research in science and engineering and the advancement in any other manner of the profession of engineering and the good of mankind; 19 mems.; Sec. JOHN A. ZECCA; publ. *Annual Report.*

Illuminating Engineering Society of North America: 345 East 47th St., New York, N.Y. 10017; f. 1906; 11,000 mems.; Exec. Vice-Pres. F. M. CODA; publs. *Lighting Design and Application* (monthly), *Journal of the Illuminating Engineering Society* (quarterly), *IES Lighting Handbook* (every 5 years).

Industrial Designers Society of America, Inc.: 1717 N St., N.W., Washington, D.C. 20036; f. 1965 through merger of American Society of Industrial Designers (f. 1944), Industrial Designers Institute (f. 1938) and Industrial Design Education Association; 1,000 mems.; Exec. Dir. BRIAN J. WYNNE.

Institute of Electrical and Electronics Engineers, Inc.: 345 East 47th St., New York, N.Y. 10017; f. 1884; 175,000 mems.; Gen. Man. H. A. SCHULKE, Jr.; publs. *IEEE Spectrum* (monthly), *Proceedings of IEEE* (monthly), 35 *IEEE Transactions* (periodical), *IEEE Journal of Quantum Electronics*, *IEEE Journal of Solid State Circuits*, specialized conference records.

Institute of Food Technologists: 221 North La Salle St., Chicago, Ill. 60601; f. 1939; 15,000 mems.; Pres. Dr. B. S. SCHWEIGERT; Exec. Dir. CALVERT L. WILLEY; publs. *Food Technology* (monthly), *Journal of Food Science* (bi-monthly).

Instrument Society of America: 400 Stanwix St., Pittsburgh, Pa. 15222; f. 1945; 20,000 mems.; Exec. Dir. G. F. HARVEY; Pres. N. E. HUSTON; conferences and symposia, exhibits, short courses, special interest divisions, films, audio and visual cassettes; publs. *Instrumentation Technology* (monthly), *ISA Transactions* (quarterly), *ISA Instrumentation Index* (quarterly), proceedings, standards, monographs, references, compendia, study guides.

International Communication Association: formerly National Society for the Study of Communication; f. 1950 to bring together academics and professionals concerned with research and application of human communication; 2,100 mems.; Exec. Sec. ROBERT L. COX, Balcones Research Center, 10100 Burnet Rd., Austin, Tex. 78758; publs. *The Journal of Communication*, *Human Communication Research*, *Membership Directory*, *Program* (annual), *The ICA Newsletter*, *The Communication Yearbook*.

Mining and Metallurgical Society of America: 230 Park Ave., New York, N.Y. 10017; Pres. KENNETH J. KUTZ.

National Association of Power Engineers, Inc.: 176 West Adams St., Suite 1411, Chicago 3, Ill.; f. 1882; 12,000 mems.; Pres. WILLIAM S. CODY; Sec. RAYMOND F. ARROW; publ. *National Engineer* (monthly).

National Society of Professional Engineers: 2029 K St., N.W., Washington, D.C. 20006; f. 1934; professional aspects of engineering; 76,000 mems.; Exec. Dir. PAUL H. ROBBINS; publ. *Professional Engineers* (monthly).

Organization for Social and Technical Innovation: 1000 Wisconsin Ave., N.W., Washington, D.C. 20007; Pres. Dr. DONALD A. SCHON.

Society for the History of Technology: Dept. of History, UCSB, Santa Barbara, Calif. 93106; concerned with history of technological devices and processes, relations of technology with science, politics, social change, the arts and humanities, and economics; affiliated to the American Association for the Advancement of Science, the American Council of Learned Societies and the Engineers Joint Council; 2,000 mems.; Pres. EUGENE S. FERGUSON; Sec. Dr. CARROLL W. PURSELL, Jr.; publs. *Technology and Culture* (quarterly), Monograph Series.

Society of Automotive Engineers, Inc.: 400 Commonwealth Drive, Warrendale, Pa. 15096; f. 1905; 30,000 mems.; Sec. and Gen. Man. JOSEPH GILBERT; publs. *SAE Transactions*, *SAE Handbook* (annuals), *Automotive Engineering* (monthly).

Society of Naval Architects and Marine Engineers: One World Trade Center, Suite 1369, New York, N.Y. 10048; f. 1893; *c.* 12,000 mems.; Sec. and Exec. Dir. ROBERT G. MENDE.

Society of Rheology: 335 East 45th St., New York, N.Y. 10017; f. 1929; Pres. I. M. KRIEGER; Sec. M. T. SHAW; publs. *Rheology Bulletin* (irregular), *Transactions* (every 2 months).

United Engineering Trustees, Inc.: 345 East 47th St., New York, N.Y. 10017; f. 1904 as a joint corporate agency of the major national engineering societies, to administer substantial trust funds for the advancement of the engineering arts and sciences, including ownership and administration of Engineering Societies Library, Engineering Foundation, United Engineering Center, and several awards; library of over 200,000 vols.; Pres. H. D. GUTHRIE; Sec. and Gen. Man. JOHN A. ZECCA.

RESEARCH INSTITUTES

More than 90 per cent of research in America is conducted by the universities and private industry. Most of the organizations listed below are independent, non-profit-making institutions.

AGRICULTURE AND VETERINARY SCIENCE

Agricultural Research Institute: 2100 Pennsylvania Ave., N.W., Washington, D.C. 20037; f. 1951; 150 mems.; Pres. RALPH J. MCCRACKEN; publs. *Newsletter* (quarterly), *Proceedings* (annual).

Council for Agricultural and Chemurgic Research: 350 Fifth Ave., New York 1; f. 1935; to further the industrial use of agricultural produce and to devise and promote the raising of new crops for industry; 2,500 mems.; Chair. EDGAR FOGLE; Sec. Dr. HARRY J. PREBLUDA; publ. *Chemurgic Digest* (8 a year).

Forest Products Research Society: 2801 Marshall Court, Madison, Wis. 53705; f. 1947; 4,500 mems. from 62 countries; Pres. HOWARD E. OLSON; Exec. Vice-Pres. ARTHUR B. BROWNER; publs. *Journal* (monthly), *Wood Science* (quarterly).

BIBLIOGRAPHY AND LIBRARY SCIENCE

Institute for Scientific Information: 325 Chestnut St., Philadelphia, Pa. 19106; f. 1960; periodicals library of 5,700 titles; Pres. Dr. EUGENE GARFIELD; Vice-Pres and Treas. MARVIN SCHROEDER; publs. *Journal Citation Reports*, *Science Citation Index*, *Social Sciences Citation Index*, *Arts and Humanities Citation Index*, *Permuterm Subject Index*, *Index to Scientific and Technical Proceedings*, *Index to Scientific Reviews*, *Automatic Subject Citation Alert* (*ASCA*), *Ascatopics*, *Current Abstracts of Chemistry and Index Chemicus*, *Encyclopaedia Chimica Internationalis*, *Chemical Substructure Index*, *Index Chemicus Registry System*, *ISI's Who is Publishing in Science*, *ISI Magnetic Tapes*, *Scisearch*, *Social Scisearch*, *Automatic New Structure Alert* (*ANSA*) and *Current Contents* in the following editions: *Agriculture, Biology and Environmental Sciences; Social and Behavioral Sciences; Physical, Chemical and Earth Sciences; Engineering, Technology and Applied Sciences; Life Sciences; Clinical Practice.*

National Federation of Abstracting and Indexing Services: 112 South 16th St., Philadelphia, Pa. 19102; f. 1958; 30-40 mems.; Pres. H. WILLIAM KOCH, Jr.; Exec. Dir. TONI CARBO BEARMAN; publs. *NFAIS Newsletter*, *Report Series*, *State-of-the-Art Publications*.

ECONOMICS, LAW AND POLITICS

Brookings Institution: 1775 Massachusetts Ave., N.W., Washington, D.C. 20036; f. 1927; 120 professional mems.; library of 50,000 vols.; research, education, and publishing in the fields of economics, government, and foreign policy; Pres. Bruce K. MacLaury; publs. *Brookings Bulletin* (quarterly), *Brookings Papers on Economic Activity* (3 a year), *Reprint Series* (irregular).

Center for the Study of Democratic Institutions: Box 4068, Santa Barbara, Calif. 93103; f. 1959; 85,000 mems.; Chair. Morris L. Levinson; Pres. Robert M. Hutchins; Sec. and Treas. Peter Tagger; publs. *The Center Magazine, World Issues* (every 2 months).

East-West Center: 1777 East-West Rd., Honolulu, Hawaii 96848; f. 1960; financed largely by U.S. Congress to promote better relations and understanding among peoples of Asia, the Pacific and the U.S.A.; provides awards to scholars, authorities, researchers, upper echelon managers, to work on problems which are actual or potential sources of difference between East and West; 52 research assocs., 161 staff; Pres. Everett Kleinjans; publs. *East-West Center Magazine, Communication Institute Newsletter*†, *Culture and Language Learning Newsletter* (quarterly), *Topics in Culture Learning* (annually).

International Research Institute: American Institutes for Research, 3301 New Mexico Ave., N.W., Washington, D.C. 20016; f. 1946; research on human resources in developing countries, role of attitudes and values in social change and economic development; Dir. Dr. Paul Spector.

Marketing Science Institute: 14 Story St., Cambridge, Mass. 02138; f. 1962 to contribute to improved marketing performance by developing objective, factual information about marketing practices and their effects by devising and testing new methods for analysing these facts, and by appraising social and economic issues related to marketing; Pres. Thomas B. McCabe, Jr.; Exec. Dir. Stephen A. Greyser.

National Bureau of Economic Research: 1050 Massachusetts Ave., Cambridge, Mass. 02138; f. 1920; fundamental qualitative analysis of the U.S. economy; 50 Dirs.; Pres. Martin S. Feldstein; Vice-Pres. Victor R. Fuchs; Exec. Sec. Douglas H. Eldridge; publs. *Annals of Economic and Social Measurement* (quarterly), *Explorations in Economic Research* (quarterly), etc.

Scripps Foundation for Research in Population Problems and Gerontology Center: Miami University, 327 Hoyt, Oxford, Ohio 45056; f. 1922; 8 mems.; library of 4,000 vols.; Dir. Robert C. Atchley.

Education

American Educational Research Association: 1126 16th St., N.W., Washington, D.C. 20036; f. 1915; 13,000 mems.; Exec. Officer William J. Russell; publs. *American Educational Research Journal, Review of Educational Research, Educational Researcher, Review of Research in Education, Journal of Educational Statistics.*

Educational Research Corporation: 10 Craigie St., Cambridge, Mass. 02138; f. 1938; Pres. J. E. Alman.

History, Geography and Archaeology

Center for Reformation Research: 6477 San Bonita Ave., St. Louis, Mo. 63105; f. 1957; microfilm library of original MSS. and printed materials of the 15th and 16th centuries; reference library; Exec. Dir. William Maltby; publs. *Newsletter, Sixteenth-Century Bibliography* (occasionally).

Leo Baeck Institute, Inc.: 129 East 73rd St., New York, N.Y. 10021; f. 1954; research and publication about the history of German-speaking Jews; library of 60,000 vols., archives and art collection; Pres. Dr. M. Gruenewald; Sec. F. Grubel; publs. *LBI Yearbook, Bulletin* (in German), *LBI News, Library and Archives News.*

Mississippi Geological, Economic and Topographical Survey: P.O.B. 4915, Jackson, Mississippi 39216; f. 1850; research into the resources of the State; library of 60,000 vols.; Dir. W. H. Moore; publ. *Mississippi Geological Survey Bulletin*, map series.

National Oceanographic Data Center: National Oceanic and Atmospheric Administration, Washington, D.C. 20235; f. 1961; accessioning, processing and dissemination of marine data, referrals; 106 mems.; 45,000 technical reports; Dir. Robert V. Ochinero; publs. *User's Guide for NODC's Data Processing Systems*†, manuals†, catalogues†, etc.

Paleontological Research Institution: 1259 Trumansburg Rd., Ithaca, N.Y. 14850; f. 1932; 350 mems.; library of 15,000 vols.; Dir. Dr. Katherine Palmer; publs. *Bulletins of American Paleontology, Palaeontographica Americana*, etc.

School of American Research: Box 2188, Santa Fé, New Mexico 87501; f. 1907; conducts research in archaeology; grants to three resident scholars annually; advanced seminars in anthropology; anthropological publications; extensive collections in Southwest Indian art; 1,000 mems.; library of 6,000 vols.; Pres. Philip L. Shultz; Dir. Dr. Douglas W. Schwartz; Vice-Pres. Jason W. Kellahin.

Medicine

American Association for Cancer Research, Inc.: 1275 York Ave., New York, N.Y. 10021; f. 1907; 2,904 mems.; Pres. Dr. Hugh J. Creech; Sec.-Treas. Dr. Frederick S. Philips; publ. *Cancer Research* (monthly).

American Federation for Clinical Research: 6900 Grove Rd., Thorofare, N.J. 08086; f. 1940; 10,000 Mems.; Pres. Gerald DiBona, m.d.; publ. *Clinical Research* (5 a year).

Association for Research in Nervous and Mental Disease, Inc.: 100th St., at 5th Ave., New York, N.Y. 10029; f. 1920; 1,500 mems.

Association for Research in Vision and Ophthalmology, Inc.: Montefiore Hospital and Medical Center, 111 East 210th St., Bronx, N.Y. 10467; f. 1928; 2,100 mems.; Chair. Lorrin Riggs, ph.d., Sec.-Treas. Paul Henkind, m.d., ph.d.; publ. *Investigative Ophthalmology and Visual Science.*

Cleveland Psychiatric Institute: 1708 Aiken Ave., Cleveland, Ohio 44109; f. 1946; library of 7,400 vols.; Supt. Raymond J. Balester, ph.d.

Eye Research Institute of the Retina Foundation: 20 Staniford St., Boston, Mass. 02114; f. 1950; 150 mems.; Pres. Charles L. Schepens, m.d.; Vice-Pres. H. MacKenzie Freeman, m.d.; publs. *Biennial Report*, Monographs and Conferences.

Fels Research Institute: Livermore St., Yellow Springs, Ohio 45387; f. 1929; studies in all areas of human development and additional research projects in biochemistry, genetics, psychology, psycho-physiology, neurophysiology; Dir. Frank Falkner, m.d., f.r.c.p.

The Institute for Cancer Research: 7701 Burholme Ave., Fox Chase, Philadelphia, Pa. 19111; f. 1926; library of 20,000 vols. including 661 reference books and 492 scientific and medical journals; Pres. and Dir. Alfred J. Knudson, m.d.; Sec.-Treas. F. J. McKay; publ. *Annual Scientific Report.*

The Institutes of Medical Sciences: 2340 Clay St., San Francisco, Calif. 94115; f. 1959; private research organization conducting patient-oriented research in heart disease, visual sciences, health research and neurology; Pres. F. L. A. Gerbode, m.d.

The Jackson Laboratory: Bar Harbor, Maine 04609; f. 1929; research in mammalian genetics; 37 staff mems.;

library of 17,000 books; Dir. Dr. RICHMOND T. PREHN; publs. *Annual Report*†, *Training for Research* (annually), *JAX* (quarterly).

Lovelace Foundation for Medical Education and Research: 5200 Gibson Blvd., S.E., Albuquerque, New Mexico 87108; f. 1947 to aid, engage in, conduct and foster medical, surgical and scientific research and investigation; 207 mems.; library of 26,477 books and bound journals, with 481 current periodicals; Chief Exec. Officer DONALD E. KILGORE, Jr.; Dir. of Research Administration ROGER O. MCCLELLAN; publs. *Annual Report*, research and educational reports.

Mayo Foundation: Rochester, Minn. 55901; f. 1919; clinical medicine, medical research and education; library of 200,000 vols. and 3,000 periodicals; Chair. S. F. KEATING; Sec. R. C. ROESLER; publ. *Mayo Clinic Proceedings* (monthly).

The Menninger Foundation: Box 829, Topeka, Kansas 66601; f. 1925 as a non-profit centre for treatment and prevention research and professional education in psychiatry; medical library of 35,000 vols.; Pres. ROY MENNINGER, M.D.; Vice-Pres. IRVING SHEFFEL; publs. *TPR*, *Menninger Perspective*, *Bulletin of the Menninger Clinic*.

National Institutes of Health: U.S. Department of Health, Education and Welfare, Public Health Service, Bethesda, Maryland 20014; principal agency of D.H.E.W. for biomedical research, research training, and biomedical communications; appropriations $2,000 million; Dir. DONALD S. FREDRICKSON, M.D.

National Institute of Child Health and Human Development: f. 1963; supports, fosters and co-ordinates research and training in areas of maternal health, child health and human development, focusing on the continuing process of growth and development, biological and behavioural; Dir. NORMAN KRETCHMER, M.D., PH.D.

National Institute of Arthritis, Metabolism and Digestive Diseases: f. 1950; conducts and supports research into diseases comprising the most crippling afflictions, including arthritis, diabetes and other hereditary errors of metabolism, digestive diseases, endocrine gland disorders, diseases of the blood and bone; also orthopaedics, dermatology and nutrition; Dir. G. DONALD WHEDON, M.D.

National Heart, Lung and Blood Institute: f. 1948 as National Heart Institute, redesignated 1969 and 1976; performs and supports research in diseases of the heart, blood vessels, lungs (exclusive of pulmonary malignancies) and blood; Dir. ROBERT I. LEVY, M.D.

National Cancer Institute: f. 1937; supports broad research programmes into the causes, detection and diagnosis, and treatment of cancer; co-operates with State and local health agencies and voluntary bodies; Dir. GUY R. NEWELL, Jr., M.D. (acting).

National Institute of Allergy and Infectious Diseases: f. 1955; conducts and supports research in microbiology aimed at solving new problems in allergic diseases and unresolved problems in bacterial diseases, and at developing a useful body of knowledge in the viral diseases; Dir. RICHARD B. KRAUSE, M.D.

National Institute of Dental Research: f. 1948; research concerned with problems of dental caries and periodontal disease, with special emphasis on treatment, control and prevention; Dir. DAVID B. SCOTT, D.D.S.

National Institute of Neurological and Communicative Disorders and Stroke: f. 1950; conducts, fosters, and co-ordinates research on the causes, prevention, diagnosis and treatment of the neurological, sensory, and communicative disorders; Dir. DONALD B. TOWER, M.D., PH.D.

National Institute of General Medical Sciences: f. 1963; supports a programme of research and training in the health sciences; Dir. RUTH L. KIRSCHSTEIN, M.D.

National Institute of Environmental Health Sciences: f. 1969; conducts, fosters and co-ordinates research on the biological effects of chemical, physical, and biological substances present in or introduced into the environment; Dir. DAVID P. RALL, M.D., PH.D.

National Eye Institute: f. 1968; conducts and supports research and training relating to blinding eye diseases and visual disorders, including research and training in the special health problems and requirements of the blind; conducts and supports investigations into the basic sciences relating to the mechanisms of sight and visual functions; Dir. CARL KUPFER, M.D.

National Institute on Aging: f. 1974; conducts and supports biomedical, social and behavioural research and training related to the ageing process and diseases and other special problems and needs of the aged; Dir. ROBERT N. BUTLER, M.D.

National Library of Medicine: (*see* National Libraries).

Naval Aerospace Medical Institute: Pensacola, Florida 32508; f. 1939; training in aviation and aerospace medicine; library of 20,000 vols.; Commanding Officer Capt. H. S. TROSTLE.

Pasadena Foundation for Medical Research: 99 North El Molino, Pasadena, Calif. 91101; f. 1952; oncology, cell biology, differentiated cell culture, prostatic cancer, educational and documentary films in biology; Founding Dir. Dr. GEORGE S. SHARP; Exec. Dir. WILLIAM OPEL; publ. *Annual Report*†.

Radiation Research Society: 4720 Montgomery Lane, Bethesda, Md. 20014; f. 1952; 1,500 mems.; Pres. R. H. SCHULER; Exec. Dir. R. J. BURK, Jr.; publs. *Radiation Research* (monthly), *Newsletter* (bi-monthly).

Sloan-Kettering Institute for Cancer Research: 410 East 68th St., New York, N.Y. 10021; f. 1945; research in physical and biological sciences relating to cancer; postdoctoral research training in laboratory investigations with scientific staff; graduate instruction through Cornell University; research unit of Memorial Sloan-Kettering Cancer Center; Dir. Dr. R. A. GOOD; publs. *Report*, *Progress Report*.

Society for Pediatric Research: f. 1929; Sec.-Treas. Dr. ROBERT E. GREENBERG, Dept. of Pediatrics, Charles R. Drew Postgraduate Medical School, 12012 Compton Ave., Los Angeles, Calif. 90059; publ. *The Society for Pediatric Research Program and Abstracts* (annually).

Southwest Foundation for Research and Education: P.O.B. 28147, San Antonio, Tex. 78284; f. 1941; basic research in biomedical sciences; Pres. MARTIN GOLAND; Sec.-Treas. E. F. FEITH; publs. *Progress in Biomedical Research* (quarterly), *Annual Report*.

NATURAL SCIENCES

General

Battelle Memorial Institute: 505 King Ave., Columbus, Ohio 43201; f. 1925 as a non-profit, public-purpose organization to engage in research, assist education, and to develop, license and dispose of technology; conducts research and development on a contract basis for industry, Government and individuals in the physical, life and social/behavioural sciences; 6,300 staff mems.; library of more than 150,000 vols.; major laboratories in Columbus (Ohio), Richland and Seattle (Washington), Frankfurt-am-Main and Geneva; offices in London; Paris, Milan, Atlanta, Huntsville, Metairie (La.), San Mateo and Washington (D.C.); Pres. S. L. FAWCETT.

Midwest Research Institute: 425 Volker Blvd., Kansas City, Mo. 64110; f. 1944; specialization in pure and applied science, industrial techniques and economic analyses; Pres. JOHN MCKELVEY; Sec. MARTIN N. SCHULER; publs. *Annual Report*, *MRI Quarterly*.

New England Institute: 90 Grove St., P.O.B. 308, Ridgefield, Conn. 06877; f. 1954; interdisciplinary research and education in natural sciences, medicine, physics, environmental studies, social sciences, etc.; library of 5,000 vols.; Chair. of Board JOHN H. HELLER; Pres. EMILE G. BLIZNAKOV; Sec. ROBERT T. TATE, Jr.

Rand Corporation, The: 1700 Main St., Santa Monica, Calif. 90406; f. 1948; br. in Washington; research on matters affecting the public interest: urban development, health, housing, energy, military strategy, etc.; funds from the Air Force, government agencies and private foundations; Pres. Dr. DONALD B. RICE; Chair. J. PAUL AUSTIN; publs. research reports, quarterly and annual indexes with abstracts of all publs., bibliographies of publs. in selected subject areas.

Southern Research Institute: 2000 Ninth Ave., South, Birmingham, Ala. 35205; f. 1941; applied research on chemotherapeutic agents and techniques, carcinogenesis, pollution control, instrumentation, analytical procedures, biomaterials and bioengineering, polymeric materials, fibres and fabrics, economic studies, other fields; technical library of 36,000 vols.; Pres. HOWARD E. SKIPPER; Exec. Vice-Pres. R. D. OSGOOD, Jr.; Sec. ANDREW WYPER, Jr.; 575 employees; publ. *Southern Research Institute Bulletin*.

Virginia Institute for Scientific Research: Science Center W-106, University of Richmond, Va. 23173; f. 1949; Dir. Dr. J. SAMUEL GILLESPIE, Jr.; Sec. Dr. CHARLES H. WHEELER, III.

Biological Sciences

Boyce Thompson Institute for Plant Research, Inc.: 1086 North Broadway, Yonkers, N.Y. 10701; f. 1924; research on plants, including biochemistry, plant physiology, plant pathology, entomology, air and water pollution, pesticides; library of 33,000 vols.; Chair. WILLIAM T. SMITH; Man. Dir. RICHARD H. WELLMAN; Sec. DEWAYNE C. TORGESON; publ. *Annual Reports*†.

Cold Spring Harbor Laboratory: P.O.B. 100, Cold Spring Harbor, New York 11724; f. 1890, chartered under present title 1962; library of 25,000 vols.; Dir. Dr. J. D. WATSON; Admin. Dir. W. R. UDRY; publs. *Symposia on Quantitative Biology* (annually), *C.S.H. Monographs* (irregular), *Abstracts of Papers*, *Annual Report*†, *C.S.H. Conferences on Cell Proliferation* (annually).

Moss Landing Marine Laboratories: P.O.B. 223, Moss Landing, Calif. 95039; f. 1966; research, education and public service in the marine sciences; Dir. Dr. JOHN H. MARTIN.

Mote Marine Laboratory, Inc.: 1600 City Island Park, Sarasota, Fla. 33577; f. 1955; independent, non-profit organization with educational affiliation to Cornell University; marine research, bioacoustics, biomedical and elasmobranch biology, estuarine ecology, neurobiology and behaviour of sharks; 21 mems.; library of 1,100 vols., 15,000 reprints on marine biology; Pres. WILLIAM R. MOTE; Dir. WILLIAM H. TAFT, PH.D.; publs. *Charlotte Harbor Estuarine Studies*†, *Contributions from the Mote Marine Laboratory*†, *Quarterly Newsletter*†.

New England Aquarium: Central Wharf, Boston, Mass. 02110; f. 1957; 12,000 mems.; library of 1,500 vols.; Pres. WILLIAM BREWSTER; Exec. Dir. JOHN H. PRESCOTT; publs. *Aquasphere* (3 a year), *Aqualog* (6 a year).

The New York Botanical Garden: Bronx, New York 10458; f. 1891; 8,000 mems.; 250 acres of gardens, plant collections and wild areas, including a National Landmark conservatory; museum building includes exhibit hall, 3.8 million specimen herbarium; library of 95,000 vols., 215,000 other items; Pres. Dr. HOWARD S. IRWIN; publs. *Garden Magazine*, *Economic Botany*, *Mycologia*, *Botanical Review*, *North American Flora*, *Memoirs*, *Brittonia*, *The Native Orchids of Florida*, and *Newsletter*.

Salk Institute for Biological Studies: P.O.B. 1809, San Diego, Calif. 92112; f. 1960; advanced biological research in cancer, neuro-endocrinology, behavioural neurobiology, peptide biology, developmental biology and language studies; library; Pres. Dr. FREDERIC DE HOFFMANN; Founding Dir. Dr. JONAS E. SALK.

Society for Experimental Biology and Medicine: 630 West 168th St., New York, N.Y. 10032; f. 1903; 3,500 mems., 3,500 subscribers; Sec. and Man. Editor M. R. NOCENTI; publ. *Proceedings* (11 issues a year).

World Life Research Institute: 23000 Grand Terrace Rd., Colton, Calif. 92324; f. 1959; research into marine biotoxicology, terrestrial phytochemistry and water pollution; Dir. BRUCE W. HALSTEAD.

Worcester Foundation for Experimental Biology: 222 Maple Ave., Shrewsbury, Mass. 01545; f. 1944; to carry out basic research in the biomedical sciences; emphasis on cell biology, neurobiology, endocrinology and reproductive physiology; conducts joint Ph.D. program with Clark University and Worcester Polytechnic Inst.; staff of 250, including 37 faculty level scientists; Pres. and Scientific Dir. MAHLON B. HOAGLAND, M.D.; Exec. Dir. and Vice-Pres. FEDERICO WELSCH, M.D., PH.D.; publs. *Research Reporter* (quarterly), *Report of Research* (annually), *Annual Report*.

Physical Sciences

Arecibo National Radio Observatory: (*see* Cornell University).

Argonne National Laboratory: 9700 South Cass Ave., Argonne, Ill. 60439; f. 1946; research in all phases of science and engineering relating to nuclear and non-nuclear energy, with broad programmes of fundamental research in physical, biomedical and environmental sciences; staff of *c.* 5,100; library of 150,000 vols. and 750,000 technical reports; Laboratory Dir. R. G. SACHS, PH.D.; publ. *Report* (annually).

Arthur J. Dyer Observatory: Vanderbilt University, Nashville, Tenn.; f. 1952; specializes in research on local structure of the Milky Way, photo-electric photometry of eclipsing binaries and variable stars, external galaxies and galactic nebulae, and astronomical instrumentation; equipped with combination 60-cm. reflecting and Baker-Schmidt telescope and 30-cm. Cassegrain reflecting telescope; Observatory Library contains 5,000 vols.; Dir. A. M. HEISER.

Association of Universities for Research in Astronomy, Inc.: Box 26732, Tucson, Ariz. 85726; f. 1957; operates the Kitt Peak National Observatory, Arizona, the Sacramento Peak Observatory, New Mexico, and the Cerro Tololo Inter-American Observatory, Chile; library of 30,000 vols.; Pres. G. L. LEE, Jr.; Observatory Dir. Dr. L. GOLDBERG; Sec. C. M. BLACK (acting); publ. *Contributions from the Kitt Peak National Observatory and the Cerro Tololo Inter-American Observatory*.

Franklin Institute Research Laboratories, The: The Franklin Institute, Benjamin Franklin Parkway at 20th St., Philadelphia, Pa. 19103; contract research in the fields of science information services, systems science, physical and life sciences and engineering; Pres. Dr. W. B. LIGETT; Vice-Pres. (Admin.) Dr. KARL E. DORSCHU.

Goddard Institute for Space Studies: 2880 Broadway, New York, N.Y. 10025; astronomy, astrophysics, meteorology, planetary atmospheres; library of 15,000 vols.; Dir. Dr. ROBERT JASTROW.

Hale Observatories: *see* Carnegie Institution of Washington.

High Altitude Observatory: P.O.B. 3000, Boulder, Colo.; f. 1947; a Laboratory of the National Center for Atmospheric Research; 65 mems.; Dir. GORDON A. NEWKIRK, Jr.; publs. scientific articles.

Institute of Polar Studies: Ohio State University, Columbus, Ohio 43210; f. 1960; geology, glaciology, atmospheric sciences, pedology, history, marine geology, polynology, marine biology, astronomy in polar regions; 60 mems.; library of 10,000 vols.; Dir. D. H. ELLIOT; publ. *Report*† (irregular).

Lick Observatory: Mount Hamilton, California; attached to the University of California, Santa Cruz Campus; f. 1888; Dir. D. E. OSTERBROCK, PH.D.

Lowell Observatory: Box 1269, Flagstaff, Ariz. 86002; f. 1894; library of 12,000 vols.; 25 staff; Dir. A. A. HOAG; publ. *Bulletin.*

Lunar and Planetary Institute: 3303 NASA Rd. 1, Houston, Texas 77058; f. 1968 to promote and support research in lunar and planetary studies; library of 8,000 vols., 130 periodicals; computerized bibliography of lunar and planetary literature; photo-map library containing all extra-terrestrial lunar photography, planned collections of planetary photography including Mariner, Viking and subsequent programmes; Dir. T. R. MCGETCHIN; publ. *Lunar and Planetary Information Bulletin.*

Maria Mitchell Observatory: The Nantucket Maria Mitchell Asscn., Vestal St., Nantucket, Mass. 02554; f. 1902; research, research training, public lectures and viewings; library of 3,000 vols.; Dir. Dr. DORRIT HOFFLEIT; publ. *Annual Report*†.

National Center for Atmospheric Research (NCAR): P.O.B. 3000, Boulder, Colo. 80307; f. 1960; sponsored by National Science Foundation; operated by the University Corporation for Atmospheric Research; research in weather prediction, causes of climatic trends, solar processes and influences of the sun on weather and climate, convective storms, and global air quality; 650 staff mems.; library of 43,000 items, 450 journals received regularly; Exec. Dir. J. W. FIROR; Dir. F. P. BRETHERTON; publs. *Atmospheric Technology*† (2 a year), *UCAR Newsletter*† (monthly), *Annual Report, NCAR Technical Notes*† (irregularly), *Publications Announcement*† ((2 a year).

National Radio Astronomy Observatory: P.O.B. 2, Green Bank, West Virginia, and Edgemont Rd., Charlottesville, Virginia, and Suite 100, 2010 North Forbes Blvd., Tucson, Ariz., and P.O.B. O, Socorro, New Mexico; f. 1956; research in radio astronomy, using a variety of radio telescopes which include a 300-ft. transit radio telescope, a 140-ft. equatorial radio telescope, a 4-element interferometer and a 36-ft. millimetre-wave radio telescope; the 27-element Very Large Array is under construction near Socorro, New Mexico; operated by Associated Universities, Inc., under contract with the National Science Foundation of Washington, D.C.; 329 employees, of which 83 are scientists and engineers; library of 18,000 vols.; Dir. D. S. HEESCHEN.

Rare-Earth Information Center (RIC): Energy and Mineral Resources Research Institute, Iowa State University, Ames, Iowa 50011; f. 1966; emphasis on metallurgy and solid state physics; 20,000 vols., including reports, conference proceedings and journals; Dir. KARL A. GSCHNEIDNER, Jr.; publs. *Rare-Earth Information Center News*† (quarterly), occasional bibliographies†, compilations†, and critical reviews.

Sacramento Peak Observatory: Sunspot, New Mexico 88349; f. 1952; operated by AURA, Inc.; national centre for solar research; offers telescope use to astronomical community; 60 employees, including 12 astrophysicists; library of 4,500 vols.; Dir. J. B. ZIRKER; publs. research papers.

Smith Observatory: Hobart and William Smith Colleges, Geneva, N.Y. 14456.

Smithsonian Astrophysical Observatory: 60 Garden St., Cambridge, Mass. 02138: a bureau of the Smithsonian Institution (*see* under Learned Societies); mem. of the Harvard-Smithsonian Center for Astrophysics; research in radio astronomy, theoretical astrophysics, planetary and lunar science, atomic and molecular physics, geoastronomy, high-energy astrophysics, optical and infra-red astronomy, solar and stellar physics; Dir. G. B. FIELD, PH.D.

Sproul Observatory: Swarthmore, Pa. 19081; f. 1911; attached to Swarthmore College; 61-cm. Long Focus Refractor; astrometric research; library of 6,000 vols.; Dir. SARAH LEE LIPPINCOTT; publs. *Sproul Observatory Reprints*† (irregular).

United States Naval Observatory: 34th and Massachusetts Ave., N.W., Washington, D.C. 20390; f. 1830; positional astronomy, astrometry, precise time measurement, celestial mechanics; library of 65,000 vols.; Superintendent Capt. JOSEPH C. SMITH; Scientific Dir. Dr. GART WESTERHOUT; publs. *American Ephemeris and Nautical Almanac, Nautical Almanac, Air Almanac, Almanac for Computers, Astronomical Phenomena, NavObs Circulars, Astronomical Papers, Time Service Bulletins.*

Warner and Swasey Observatory: 1975 Taylor Rd., East Cleveland, Ohio 44112; f. 1920; astronomical research and education (observational facility of the department of astronomy at Case Western Reserve University); library of 15,000 vols.; Dir. PETER PESCH.

Woods Hole Oceanographic Institution: Woods Hole, Mass. 02543; f. 1930; research in physical, chemical and biological oceanography, marine geology and marine geophysics, acoustics and ocean engineering; conducts joint PH.D. programme with Massachusetts Inst. of Technology, postdoctoral fellowship programme and summer student fellowship programme; joint library with Marine Biological Laboratory of 150,000 vols. and 4,500 periodical titles; Pres. PAUL M. FYE; Dir. JOHN H. STEELE; publs. *Collected Reprints* (annually), *Oceanus* (quarterly), *Woods Hole Notes* (bi-monthly).

Yale Observatory: Yale University, Box 2023, Yale Station, New Haven, Conn. 06520.

Yerkes Observatory: Williams Bay, Wis. 53191; Department of Astronomy and Astrophysics of the Univ. of Chicago; f. 1897; Dir. Dr. L. M. HOBBS.

PHILOSOPHY AND PSYCHOLOGY

American Society for Psychical Research, Inc.: 5 West 73rd St., New York, N.Y. 10023; f. 1885; 2,600 mems.; library of 6,500 vols.; Chester Carlson Research Fellow Dr. KARLIS OSIS; Exec. Sec. LAURA F. KNIPE; publs. *Journal, Newsletter* (quarterly).

Eastern Pennsylvania Psychiatric Institute: Henry Ave. and Abbotsford Rd., Philadelphia, Pa. 19129; f. 1956; library of 27,800 vols. relating to the behavioural sciences; Dir. Charles Shagass, M.D. (acting).

Institute for Philosophical Research: 101 East Ontario St., Chicago, Ill. 60611; f. 1952; for the study of philosophy from ancient Greek times to the present day; library of 10,000 vols.; Pres. and Dir. Mortimer J. Adler; Sec.-Treas. Theresa Panek; publ. *Concepts in Western Thought.*

Religion, Sociology and Anthropology

American Institute for Research in the Behavioral Sciences: 135 North Bellefield Ave., Pittsburgh, Pa. 15213; f. 1946; Dir. Dr. Melvin H. Rudov; Pres. and Chief Exec. Officer Dr. S. Rains Wallace; Sec. Dr. Frederick B. Davis; publs. *Behavioral Sciences Newsletter* (fortnightly), *Creative Talent Awards* (annual monograph).

Office in Palo Alto: 1791 Arastradero Rd.; Dir. and Chair. Dr. John C. Flanagan.

Office in Bangkok, Thailand: P.O.B. 11-45; Dir. Dr. Paul A. Schwarz.

Offices in Maryland: 10605 Concord St., Kensington, Md.; Dir. Dr. Preston S. Abbott; and 8555 16th St., Silver Spring, Md.; Dir. Dr. Edwin A. Fleishman.

American Schools of Oriental Research: 126 Inman St., Cambridge, Mass. 02139; f. 1900; approx. 2,000 mems., Pres. Philip J. King; support activities of independen; archaeological institutions abroad: The Albright Institute of Archeological Research, Jerusalem, Israel and the American Centre of Oriental Research in Amman, Jordan; publs. *Biblical Archaeologist* (quarterly), *Bulletin* (quarterly), *Journal of Cuneiform Studies* (quarterly), *The Annual.*

Center for Advanced Study in the Behavioral Sciences: 202 Junipero Serra Blvd., Stanford, Calif. 94305; f. 1954; Dir. Dr. Gardner Lindzey.

Middle American Research Institute: Tulane University, New Orleans, Louisiana 70118; f. 1924; for research, education, and publications related to Mexico and Central America; supports publication, archaeological excavation and research in humanities and social sciences; small museum gallery; anthropological collections; Dir. E. Wyllys Andrews V.

Middle East Institute: 1761 N St., N.W., Washington, D.C. 20036; f. 1946; to develop and maintain facilities for research, publication and dissemination of information, with a view to developing in the United States a more thorough understanding of the countries of the Middle East; holds an annual conference on Middle East affairs; 1,900 mems.; Pres. Hon. L. Dean Brown; publ. *Middle East Journal* (quarterly).

Social Science Research Council: 605 Third Ave., New York, N.Y. 10016; f. 1923; Pres. Eleanor B. Sheldon; publs. *Social Indicators Newsletter, Items* (quarterly).

Wenner-Gren Foundation for Anthropological Research, Inc. (formerly The Viking Fund, Inc.): 14 East 71st St., New York, N.Y. 10021; inc. 1941; promotes and supports research in anthropology and related sciences; Dir. of Research Lita Osmundsen.

Technology

Brookhaven National Laboratory: Upton, Long Island, N.Y. 11973; f. 1947; operated by Associated Universities, Inc., under contract with the U.S. Dept. of Energy; basic and applied research by staff and visiting scientists in the fields of energy, particle accelerators, physics, medicine, biology, chemistry, applied sciences, mathematics, and the environment, including the design, development, acquisition and operation of large-scale facilities too costly or complex for an individual university; training of scientists and engineers; dissemination of scientific and technical knowledge; library of 110,000 vols.; staff: 750 research, 400 professional, 690 technicians, 1,200 general; Dir. Dr. George H. Vineyard; publ. *Biennial Report.*

Building Research Advisory Board: 2101 Constitution Ave., N.W., Washington, D.C. 20418; f. 1949 as a unit of the Nat. Academy of Sciences—Nat. Research Council; undertakes activities concerned with the development and application of technology to serve society's needs for housing, building and related community and environmental design and development.

Combustion Institute: 986 Union Trust Building, Pittsburgh, Pa. 15219; f. 1954; 2,500 mems.; Pres. R. S. Levine; Exec. Sec. Marge C. Salamony; publs. *Combustion and Flame* (9 a year), *Proceedings of Symposium* (*International*) *on Combustion* (biennially).

Herty Foundation: P.O.B. 1963, Savannah, Ga. 31402; f. 1938; research and development of all fibrous materials, particularly forest and agricultural products and synthetic fibres; Dir. W. L. Belvin.

Industrial Research Institute, Inc.: 100 Park Ave., New York, N.Y. 10017; f. 1938; 250 mem. companies; Exec. Dir. Charles F. Larson; publ. *Research Management* (bi-monthly).

Institute of Textile Technology: P.O.B. 391, Charlottesville, Va. 22902; f. 1944; research, graduate education and information programmes for the textile industry; library of 50,000 vols.; Pres. C. G. Tewksbury; Dean R. A. Barnhardt; publ. *Textile Technology Digest*† (monthly).

National Aeronautics and Space Administration—NASA: 27 official addresses, of which the main research centres are:

National Aeronautics and Space Administration, Lyndon B. Johnson Space Center: Houston, Texas 77058; f. 1961; the Johnson Space Center is responsible for the design, development and testing of manned spacecraft and associated systems, for the selection and training of astronauts and for the operation of manned space flights; Johnson Space Center Technical Library of 49,000 vols., 550,000 technical reports, 600 periodicals; Dir. C. C. Kraft, Jr.; Dir. of Engineering and Development M. A. Faget; Dir. of Data Systems and Analysis H. W. Tindall; Dir. of Space and Life Sciences Richard S. Johnston; Dir. of Flight Operations George W. S. Abbey; Dir. of Administration and Program Support P. H. Whitbeck; Dir. of Center Operations J. V. Piland; Dir. of Safety, Reliability and Quality Assurance M. L. Raines; Man. Program Operations Office Donald D. Arabian; attached laboratories:

Earth Resources Laboratory: The Mississippi Test Facility, Bay St. Louis, Miss.; f. 1970; responsible for conducting investigations in the Mississippi–Lousiana–Gulf area in the application of remotely sensed data.

White Sands Test Facility: Las Cruces, New Mexico; f. 1965; conducts developmental and operational tests of spacecraft engines and associated propulsion systems, conducts tests in such areas as materials technology, contamination control, precision cleaning, conducts environmental evaluations of special components and systems, coordinates NASA test projects on White Sands Missile Range.

Goddard Space Flight Center: Greenbelt, Md. 20771; f. 1959; space research; 3,500 mems.; library of 57,000 vols., 35,000 periodicals; Dir. Dr. Robert S. Cooper.

Ames Research Center: National Aeronautics and Space Administration, Moffett Field, Calif. 94035; Dir. Dr. Hans M. Mark.

John F. Kennedy Space Center: National Aeronautics and Space Administration, Fla. 32899; f. 1962; previously Launch Operations Center; space vehicle launch facility; library of 32,000 vols., 106,000 documents and reports, 589 periodicals; 160,000 specifications and standards; Dir. Lee R. Scherer.

Langley Research Center: National Aeronautics and Space Administration, Hampton, Va. 23665; Dir. Dr. D. P. Hearth.

Lewis Research Center: National Aeronautics and Space Administration, 21000 Brookpark Road, Cleveland, Ohio 44135; Dir. B. Lubarsky (acting).

George C. Marshall Space Flight Center: National Aeronautics and Space Administration, Alabama 35812; f. 1960; Dir. Dr. W. R. Lucas.

National Bureau of Standards, The: Washington, D.C. 20234; f. 1901 by Act of Congress to provide assistance to industry, Government and educational institutes; Dir. Dr. Ernest Ambler (acting); publs. *Dimensions* (monthly), *Journal of Research of the National Bureau of Standards.*

Organized into five sub-divisions:

Institute for Basic Standards: to provide the central basis for a complete system of physical measurement; co-ordinates that system with measurement systems of other nations; furnishes essential services leading to accurate and uniform physical measurements in science, industry and commerce.

Institute for Materials Research: conducts materials research; produces standard reference materials; advisory and research services to other Government agencies.

Institute for Applied Technology: technical services to facilitate technological innovation in industry and Government; advisory and research services.

Institute for Computer Sciences and Technology: promotes development of standards for ADP equipment, techniques and computer languages; provides technical assistance and consultation for the use of computers in the Federal Government.

Office for Information Programs: provides information services and disseminates the scientific and technical data generated by the Bureau; co-ordinates the National Standard Reference Data System; produces and distributes NBS publications.

SRI International: 333 Ravenswood Ave., Menlo Park, California 94025; f. 1946 (fmrly. Stanford Research Institute); centre for diversified research into industry and pure and applied science; over 3,000 staff mems. and over 10,000 completed projects; brs. in Washington, D.C., New York, Chicago; overseas offices in London, Stockholm, Zurich, Tokyo, Paris, Milan, Madrid; Pres. Charles A. Anderson; Exec. Vice-Pres. Weldon B. Gibson; publ. *Investments in Tomorrow*† (quarterly).

System Development Corporation: 2500 Colorado Ave., Santa Monica, Calif. 90406; f. 1957; design and development of information systems; online interactive multidisciplinary bibliographical retrieval system includes over 50 data bases, available on subscription; library of 100,000 vols.; Pres. Dr. George E. Mueller.

Textile Research Institute: Princeton, N.J. 08540; f. 1930; basic research and graduate education in the physical and engineering sciences relating to fibrous materials; 80 corporate mems., 169 individual mems.; library of 5,000 vols.; Pres. L. Rebenfeld; publs. *Notes on Research, Textile Research Journal.*

LIBRARIES

There are many thousands of libraries in the United States, ranging from the small town library of a few hundred volumes to the library in the large city where the number may be reckoned in millions. As limitation of space makes it impossible to list all these, we give a selection classified as follows:

National Libraries.
Government Libraries.
Public Libraries (over 600,000 vols.).
Special Libraries.
State Libraries (over 500,000 vols.).
University Libraries.

NATIONAL LIBRARIES

Library of Congress, The: Washington, D.C. 20540; f. 1800; contains over 73 million items, including 18,240,295 books and pamphlets; the operations, activities and personnel of the library are divided into eight departments—Office of the Librarian, Management, National Programs, Research Services, Congressional Research Service, Processing Services, Law Library and Copyright Office.

Librarian: Dr. Daniel J. Boorstin.

Collections include:

Books for the blind and physically handicapped: 66,469 books in braille, on recorded discs, and on tapes, available in more than 160 co-operating regional and sub-regional libraries in the United States and its territories.

Cartography: 3,590,395 maps, atlases, globes, etc.

Law: over 1.7 million items, including material on American, British, Hispanic, European, Far Eastern, Near Eastern and African Law.

Manuscripts: 32,672,753 manuscripts relating to American history and civilization, including the papers of American Presidents from George Washington to Calvin Coolidge, other statesmen and diplomats, and men and women of letters.

Microform: 2,936,326 microforms.

Music: 3,646,457 items of music and music literature; 711,654 sound recordings on discs, tapes, and wires.

Orientalia: more than 1,422,567 vols. (485,267 in Chinese and Korean, 110,396 in Hebrew, 581,303 in Japanese, 101,523 from Near East, and 140,577 from Southern Asia).

Prints and Photographs: 252,157 motion pictures and 8,516,171 photographs, among them early daguerreotypes, Mathew Brady photographs, and the work of contemporary photographers.

Rare Books: over 350,000 items, including the largest collection of incunabula in the Western Hemisphere.

Periodicals: includes newspapers, Government Publications and other serial publications.

The Library's priority remains service to the Congress of the United States, but it now performs, in its role as the national library, services to other libraries which include: development of scientific schemes of classification (Library of Congress and Dewey Decimal), subject headings, and cataloguing embracing the whole field of printed matter; a centralized acquisition and cataloguing programme in which publications are acquired worldwide and cataloguing data distributed to other libraries by means of printed cards, machine-readable tapes, and printed book catalogues; editing for publication a *National Union Catalogue, Pre-1956 Imprints*, which will have 11 million entries for significant holdings of major American libraries; publication of the *National Union Catalogue*, a record of acquisitions by American libraries since 1956; an inter-library loan system; the exchange of duplicates with other libraries; and the provision of advice on technical matters relating to the preservation and restoration of library collections.

Services to the public include: registration of creative work for copyright; use of 2 general and 13 special reading rooms; reference and bibliographic services; research and referral services in science and technology; photoduplication for a fee of items in the collections not subject to copyright or other restrictions; chamber music concerts and literary programmes; lectures and symposia, such as the series in observance of the Bicentennial of American Independence; publication of guides, catalogues, proceedings, facsimiles of rare items in the collections, etc.; sale of recordings of poetry and folk music; exhibits in Library buildings; guided tours. Publs. *Library of Congress Publications in Print* (annual), *Calendar of Events* (monthly), *Information for Readers, Special Facilities for Research* (available upon request).

National Agricultural Library: U.S. Dept. of Agriculture, Beltsville, Md. 20705; 1,500,000 vols.; agriculture and the related sciences; especially collection of botany, zoology, chemistry, veterinary medicine, forestry, plant pathology, general agriculture; Dir. Richard A. Farley.

National Archives and Records Service: National Archives Bldg., Pennsylvania Ave., Washington, D.C. 20408; the National Archives, created as an independent agency in 1934, was transferred in 1949 to the newly established General Services Administration, in which it became the National Archives and Records Service; it now consists of the Office of the National Archives, the Office of the Exec. Dir., the Office of Records Management, the Office of Educational Programs, the Office of Federal Records Centers, the Office of the Federal Register, and the Office of Presidential Libraries, all headed by the Archivist of the United States. NARS administers a Federal archive system of 23 institutions, including 15 national records centers and 7 Presidential libraries. It selects, preserves and administers Federal Records of enduring value and prescribes standards and methods for the efficient management of current records of the Federal Government. In 1978 there were 1.31 million cubic feet of records in the National Archives, dated from before 1700; on permanent display are the Declaration of Independence, the Constitution of the United States, and the Bill of Rights (facsimiles of these and other documents are for sale); NARS publishes aids to the use of records in custody there and reproduces bodies of records of high research value on microfilm, positive prints of which are for sale; Archivist of the United States Dr. James B. Rhoads; Deputy Archivist of the United States Dr. James E. O'Neill; publs. *Federal Register, Code of Federal Regulations, United States Statutes at Large, U.S. Government Manual, Public Papers of the Presidents, Weekly Compilation of Presidential Documents, Prologue: The Journal of the National Archives, Documents from America's Past: Reproductions from the National Archives.*

National Library of Medicine: Bethesda, Maryland 20014; formerly Armed Forces Medical Library; f. 1836, 1,500,000 books, journals, theses on medicine and health-related sciences; 490,000 vols. on the history of medicine, plus MSS.; 65,000 prints and photographs; the library possesses a computerized information retrieval system; Dir. Martin M. Cummings, M.D., publs. *Index Medicus, Cumulated Index Medicus, Abridged Index Medicus, Monthly Bibliography of Medical Reviews, Bibliography of the History of Medicine, NLM Current Catalog, Toxicity Bibliography, Current Bibliography of Epidemiology.*

GOVERNMENT LIBRARIES

Washington, D.C.

Army Library: Department of the Army, Military District of Washington, Room 1A 518, The Pentagon, Washington, D.C. 20310; f. 1944; combines the resources of 28 former War Dept. libraries into one central collection in the Pentagon; 200,000 vols., and 1,000,000 documents; special collections on military arts and sciences, unit histories, military law; and Army administrative, training and technical publications; provides publications to 270 field law libraries; Dir. Mary L. Shaffer.

Department of Commerce Library: 14th and Constitution Ave., N.W., Washington, D.C. 20230; f. 1913; 235,000 vols., 50,000 vols. microform; Dir. Dr. Stanley J. Bougas.

Bureau of the Census Library: Federal Office Bldg. No. 3, Room 2455, Washington, D.C. 20233; f. 1952; 244,000 vols.; Librarian Salme H. Gorokhoff.

National Oceanic and Atmospheric Administration, Atmospheric Sciences Library: 8060 13th St., Silver Spring, Md. 20910; f. 1870; 175,000 vols.; Librarian George W. Kahler.

Environmental Science Information Center, Libraries Division: 3300 Whitehaven St., N.W., Washington, D.C.; Chief Librarian Elizabeth J. Yeates.

Marine and Earth Sciences Library: Washington Science Center, Rockville, Md. 20852; f. 1846; 150,000 vols.; Librarian George W. Kahler.

Boulder Laboratories Library: Boulder, Colo. 80302; f. 1851; 110,000 vols. and 200,000 microfiche; Librarian Dr. Joan M. Maier.

National Bureau of Standards Library: Administration Bldg., Room E01, Route 70 S and Quince Rd., Gaithersburg, Md. 20760; 166,000 vols.; Librarian Patricia W. Berger.

Patent Office Scientific Library: 2021 Jefferson Davis Hwy., Arlington, Va. 20231; f. 1836; 300,000 vols.; Librarian Peter Sofchak (acting).

Department of Health, Education and Welfare Libraries: 330 Independence Ave., S.W., 20201:

Department Library: 700,000 vols.; located Headquarters Building; Dir. Kanardy L. Taylor.

National Institutes of Health Library: 100,000 vols.; located National Institutes of Health, Bethesda, Md.; Librarian Seymour I. Taine.

St. Elizabeths Hospital Library: 24,000 vols.; located Hospital Grounds, Washington, D.C.; Librarian Lawrence Moore.

Social Security Administration Library: 40,000 vols.; located Baltimore, Md.; Librarian Miss ANITA GOLDSTEIN.

Department of Justice Library: 10th St. and Constitution Ave., N.W. 20530; f. 1831; 275.000 vols., principally Anglo-American legal and related materials; Library Director MARVIN P. HOGAN.

Department of Labor Library: 200 Constitution Ave., N.W., 20210; f. 1885; 535,000 vols., 3,200 current periodical titles; Librarian ANDRE C. WHISENTON.

Department of State Library: 2201 C St., N.W. 20520; f. 1789; 700,000 vols.; materials relate primarily to the economic, political and social conditions in foreign areas, international relations and diplomatic history; Librarian CONRAD P. EATON.

Department of the Interior Libraries: Washington, D.C. 20240.

Natural Resources Library of the U.S. Department of the Interior: Room 1140, Interior Building, 18th and C Streets, N.W.; f. 1949 by amalgamation of 8 existing Interior Libraries at Washington; 850,000 vols.; over 14,000 serials and 4,000 periodicals received; is the main library in the Department's National Natural Resources Library and Information System (NNRLIS): a network of over 400 field libraries serving the Bureaux and offices of the Department; subjects include the conservation and development of natural resources; automated information services; interlibrary loans service; copy facilities; open to the public; Dir. MARY A. HUFFER; publs. Bibliographies, available from U.S. National Technical Information Service.

Geological Survey Library: National Center, mail stop 950, 12201 Sunrise Valley Drive, Reston, Va. 22092; f. 1879; 600,000 vols., 250,000 maps, 250,000 pamphlets; 8,500 serial and periodical titles received; comprehensive working and research library; interlibrary loan service; open to the public; Chief Librarian GEORGE H. GOODWIN, Jr.

Department of the Treasury Library: 15th and Pennsylvania Ave., 20220; 125,000 vols. (primarily economic and legal); special collections: taxation, public finance, international economic affairs; Library Dir. ANNE E. STEWART.

House of Representatives Library: Cannon House Office Bldg. B-18, Washington, Z20515; 100,000 vols., and special bound collections of all Government publications since adoption of the Constitution; Librarian E. RAYMOND LEWIS.

Navy Department Library: Bldg. 220, Washington Navy Yard, D.C. 20374; f. 1798; 150,000 vols.; and various bureau and office libraries and special collections; Librarian STANLEY KALKUS.

Senate Library: Capitol Building, Washington, D.C. 20510; f. 1871; 300,000 vols., including special collection of Legislative Proceedings and Documents from 1774; the work of the Senate Library is essentially that of research and reference for the use of the Senate and its committees; principal services rendered include legislative and general reference, automated legislative information retrieval, Micrographics Center and photoduplication facilities; Librarian ROGER K. HALEY; publs. *Senate Campaign Information* (biennially), *Nomination and Election of the President and Vice-President* (quadrennially), *Senate Election, Expulsion and Censure Cases from 1789 to 1972, Proposed Amendments to the Constitution of the United States, Presidential Vetoes, Index of Congressional Committee Hearings.*

U.S. Energy Research and Development Administration Library: Washington, D.C. 20545; f. 1947; 30,000 titles, 500,000 reports; collection includes books, journals, reports and legislation relating to all aspects of energy; Librarian C. NEIL SHERMAN; publs. *Library Accessions List, ERDA Headquarters Reports* (monthly).

Veterans Administration, Library Division: Veterans Administration Central Office, 810 Vermont Ave. N.W., Washington, D.C. 20420; planning, policy, development, training, centralized support services for the V.A. Library Network (VALNET); this comprises 340 hospital and general libraries in 175 health care facilities (combined holdings *c.* 2,000,000 vols., *c.* 100,000 audio visuals, 2,471 journals) and networking access to bibliographic data bases through 55 VA MEDLINE Centers, 8 VA DIALOG Centers and 1 VA/ASI/CIS Center; Chief JAMES M. HAHN.

PUBLIC LIBRARIES

(with a total number of volumes over 600,000)

ALABAMA

Birmingham Public and Jefferson County Free Library: 2020 Park Place, Birmingham, Ala. 35203; f. 1909; 967,460 vols.; special collections: Agee Cartographical Collection (including Joseph H. Woodward Collection), Collins Collection of the Dance, Scruggs Philately Collection, Department of Southern History and Literature, government documents; micro forms, phono records, films; sub-regional Library special service for Blind and Physically Handicapped; 16 brs., 14 bookmobiles; Dir. GEORGE R. STEWART.

CALIFORNIA

Los Angeles County Public Library System: 320 West Temple St., Los Angeles, 90012; 4,234,221 vols.; 114 community, mobile and institutional libraries; 6 regional headquarters; Librarian Mrs. CAROL E. MOSS.

Los Angeles Public Library: 630 West 5th St., Los Angeles, 90017; f. 1872; 4,161,905 vols.; Librarian WYMAN H. JONES.

San Diego Public Library: 820 E St., San Diego, Calif. 92101; f. 1882; 1,421,927 vols.; City Librarian MARCO THORNE.

San Francisco Public Library: Civic Center, San Francisco, 94102; 1,615,044 vols.; City Librarian JOHN C. FRANTZ.

COLORADO

Denver Public Library: 1357 Broadway, Denver; 1,617,623 vols.; City Librarian HENRY G. SHEAROUSE, Jr.

DISTRICT OF COLUMBIA

Public Library of the District of Columbia: 901 G St., N.W., Washington, D.C. 20001; f. 1896; Martin Luther King Memorial Library, 20 branches, bookmobiles, Special Services Division; 1,930,341 vols.; Dir. HARDY R. FRANKLIN, PH.D.

FLORIDA

Miami-Dade Public Library: 1 Biscayne Blvd., Miami, Fla. 33132; 1,115,604 vols.; 4 regional libraries; 19 brs., 1 Artmobile, 5 bookmobiles; specializes in art, 16mm. films, business, economics, science and technology and Florida history; Dir. E. F. SINTZ.

GEORGIA

Atlanta Public Library: 10 Pryor St., S.W., Atlanta, Georgia 30303; f. 1867; 996,226 vols., 1,000,000 recordings and cassettes; Dir. ELLA GAINES YATES.

Illinois

Chicago Public Library: 425 North Michigan Ave., Chicago, 60611; f. 1872; 6,813,340 vols.; Chief Librarian David L. Reich.

Indiana

Indianapolis-Marion County Public Library: 40 East St. Clair St., Indianapolis, Ind. 46204; f. 1873; 1,300,000 vols.; 21 branches, 4 bookmobiles; Dir. Raymond E. Gnat; publ. *Reading in Indianapolis.*

Public Library of Fort Wayne and Allen County: 900 Webster St., Fort Wayne; f. 1894; over 1,500,000 vols.; 11 brs., 5 bookmobiles; Librarian Fred J. Reynolds.

Kentucky

Louisville Free Public Library: Fourth and York Sts., Louisville, Kentucky 40203; f. 1902; 946,000 vols.; Audio-Visual Department with 1,800 films, *c.* 1,300 film-strips, 83 sets of 35mm. slides, 25,000 phono-discs, 47,500 programmes on electronic tape; operates two FM radio stations for music and educational programmes; 31 brs., 3 bookmobiles; operates a Natural Science and History Museum; houses a "Junior Art Gallery"; Dir. C. R. Graham.

Louisiana

New Orleans Public Library: 219 Loyola Ave., New Orleans, La. 70140; f. 1843; 713,264 vols.; 11 brs. and 2 bookmobiles; Librarian M. E. Wright, Jr.

Maryland

Enoch Pratt Free Library: 400 Cathedral St., Baltimore, Md. 21201; f. 1886; special Edgar Allan Poe and H. L. Mencken collection; 2,293,214 vols., 3,575 films, 29,545 recordings; Dir. Ernest Siegel; publ. *Menckeniana* (quarterly).

Massachusetts

Boston Public Library and Eastern Massachusetts Regional Public Library System: Copley Square, Boston, Mass. 02117; f. 1852; believed to be the oldest free municipal library supported by taxation in any city of the world; 4,153,674 vols.; Dir. and Librarian Philip J. McNiff.

Springfield City Library: 220 State St., Springfield, Mass. 01103; f. 1857; 670,868 vols.; 8 brs. and one bookmobile; Headquarters of Western Regional Public Library System; Dir. Francis P. Keough.

Worcester Public Library and Central Massachusetts Regional Library System: Salem Square, Worcester, 01608; f. 1859; 721,220 vols.; Librarian Joseph S. Hopkins.

Michigan

Detroit Public Library: 5201 Woodward Ave., Detroit, Mich. 48202; f. 1865; 2,405,694 vols., 156,630 maps, 22,400 microfilms, 23,000 microfiche, 2,000 films, 913,702 pictures; 913,702 pictures; special collections on Automotive history, Burton Historical Collection (Michigan, Great Lakes and Old North west Territory), Labor History Collection; Dir. Mrs. Jane Hale Morgan.

Minnesota

Minneapolis Public Library: 300 Nicollet Mall, Minneapolis, Minn. 55401; f. 1885; 1,454,462 vols.; Dir. Joseph Kimbrough.

Saint Paul Public Library: 90 West 4th St., Saint Paul, Minn. 55102; f. 1882; 704,311 vols.; Dir. J. Archer Eggen.

Missouri

Kansas City Public Library: 311 East 12th St., Kansas City, Missouri 64106; f. 1873; 1,221,646 vols.; Dir. Harold R. Jenkins.

St. Louis County Library: 1640 S. Lindbergh Blvd., St. Louis, Missouri 63131; f. 1946; 894,939 vols.; 8 brs. and 25 bookmobiles; Dir. Donell J. Gaertner.

St. Louis Public Library: 1301 Olive St., St. Louis, Missouri 63103; f. 1865; 1,367,000 vols.; 5 bookmobiles; Librarian and Exec. Dir. Joan Collett; publs. *Index to St. Louis Newspapers* (monthly), *Union List of Periodicals* (annually).

New Jersey

Newark Public Library: Newark, P.O.B. 630; f. 1888; 1,080,000 catalogued vols., 90,000 uncatalogued; and 1,110,000 prints and pictures. Collections: Art, Music, Science, Technology, Business, New Jersey History, Fine Printing, Black Studies, Newark Evening News Morgue; Dir. Bernard Schein.

New York

Brooklyn Public Library: Grand Army Plaza, Brooklyn, N.Y. 11238; f. 1896; consolidated with the Brooklyn Library 1902; special collections on Costumes, American Civil War, Chess and Checkers (draughts), Brooklyn, Walt Whitman, Fire Protection, old juveniles, Marianne Moore; 3,662,188 items; boroughwide library system of 59 agencies; Pres. Howard Smith; Dir. Kenneth F. Duchac.

Buffalo and Erie County Public Library: Lafayette Square, Buffalo; f. 1954 as an amalgamation of three libraries; 3,013,577 vols.; Dir. Paul M. Rooney.

New York Public Library: Fifth Ave. and 42nd St., New York 10018; f. 1895 by the amalgamation of three private libraries; 9,000,000 vols. (not including manuscripts, maps, microfilms, phono-records, prints and sheet music); over 80 branch libraries; special collections include Berg collection of English and American literature, Arents collection of books on tobacco, and the Spencer collection of illustrated books and books on fine bindings; Dir. Edwin S. Holmgren. Research Libraries: over 5 million vols.; Periodicals Section: over 10,000 current titles; Manuscripts and Archives Division: over 10,000,000 tiems.

Queens Borough Public Library: 89-11 Merrick Blvd., Jamaica, N.Y. 11432; organized 1896, inc. 1907; central reference and research centre with 54 branch libraries and 3,263,005 vols.; special collection Long Island history and genealogy; picture collection of over a million and a half pictures; Dir. Milton S. Byam.

Rochester Public Library: 115 South Ave., Rochester, N.Y. 14604; f. 1912; 829,650 vols.; 12 brs., 1 bookmobile; Dir. Harold S. Hacker; publ. *Rochester History* (quarterly).

North Carolina

Public Library of Charlotte and Mecklenburg County: 310 Tryon St., Charlotte, N.C. 28202; f. 1903; 627,441 vols.; Dir. Arial A. Stephens; publ. *Program Suggestions for Clubs and Study Groups* (annual).

Ohio

Akron-Summit County Public Library: 55 South Main St., Akron 44326; f. 1874; 868,590 vols.; Librarian John H. Rebenack; publs. *Annual Report*†, *The Owlett*†.

Cleveland Public Library: 325 Superior Ave., Cleveland 44114; f. 1869; 2,797,450 vols.; 35 neighbourhood branches; travelling book service; the John G. White endowed collection of Folklore and Orientalia, including Chess and Checkers; large circulating collection of films and sound recordings; service to the homebound and the blind; telephone reference service; paid research service; Dir. Dr. Ervin J. Gaines; publ. *Index to Cleveland Newspapers*(monthly).

Dayton and Montgomery County Public Library: 215 East Third St., Dayton 45402; 1,266,126 vols.; 19 branches; Dir. William Chait.

Public Library of Cincinnati and Hamilton County: Eighth and Vine Streets, Cincinnati 45202; 3,122,533 vols.; Librarian James R. Hunt.

Public Library of Columbus and Franklin County: 96 South Grant Ave., Columbus 43215; 1,140,844 vols.; 21 brs.; Dir. (vacant).

Toledo-Lucas County Public Library: 325 Michigan St., Toledo; consolidated 1970; 1,261,986 vols.; Dir. Ardath Danford.

Oregon

Library Association of Portland (Multnomah County Library): 801 S.W. Tenth Ave., Portland, Ore. 97205; f. 1864; over 1 million vols.; 16 branches; Librarian James Burghardt.

Pennsylvania

Carnegie Library of Pittsburgh: 4400 Forbes Ave., Pittsburgh, Pa. 15213; f. 1895; 2,239,313 vols., about 65,000 of which are in foreign languages; 20 br. libraries, all with their own collections, and 6 mobile libraries; Dir. Anthony A. Martin.

Free Library of Philadelphia: Logan Sq., Philadelphia, Pa. 19103; 47 brs. throughout the city; f. 1891; 3,054,442 vols.; 128,610 maps; special collections include: Fleisher orchestral music; Carson history of the common law; Widener incunabula; Drinker Choral Library; Lewis Illuminated MSS., European and Oriental; History of the Automobile; Elkins Americana, Dickens, Goldsmith, Poe; Lewis cuneiform tablets; Rosenbach children's books of the 18th and 19th centuries; children's illustrators, Beatrix Potter, Arthur Rackham; theatre collection; Marx, Judaica and Hebraica; Dir. Keith Doms.

Rhode Island

Providence Public Library: 150 Empire St., Providence 02903; 631,908 vols.; Dir. Annalee M. Bundy.

Tennessee

Memphis and Shelby County Public Library and Information Center: 1850 Peabody Ave., Memphis; f. 1893; 1,175,079 vols.; special community services to "Shut-Ins", R.O.T.A. Programme for Disadvantaged, Film Programmes and Business Services; CATV and colour videotaping studio; information and referral service (LINC-Library Information Center); Dir. C. Lamar Wallis; publs. *BBL* (quarterly), *Diálogos* (quarterly), *SCAN* (monthly), *Around MPLIC* (monthly), *Undercurrent* (monthly).

Texas

Dallas Public Library: 1954 Commerce St., Dallas; 2,457,877 system holdings; Dir. Mrs. L. M. Bradshaw.

Fort Worth Public Library: 9th and Throckmorton Sts., Fort Worth, Tex. 76102; f. 1901; 646,313 vols.; reference, bibliographical, circulation and extension services; special collections include Bibliography, Bookplates, Early Children's Books, Earth Science, Genealogy and Oral History; Dir. Mabel Fischer.

Houston Public Library: Civic Center, 500 McKinney Ave., Houston, 77002; 1,874,092 vols.; Dir. D. M. Henington.

Virginia

Fairfax County Public Library: 5502 Port Royal Rd., Springfield, Va. 22151; f. 1939; 17 branches, 3 bookmobiles; also films, records, and special activities for children in all libraries; 1,091,319 vols.; Dir. William L. Whitesides.

Washington

Seattle Public Library: 1000 4th Ave., Seattle 98104; f. 1891; 1,510,881 vols.; special collections: Aeronautics, Pacific Northwest Americana; 23 br. libraries; Librarian Ronald A. Dubberly.

Wisconsin

Milwaukee Public Library: 814 West Wisconsin Ave., Milwaukee 53233; f. 1878; 2,327,835 vols.; special collections include Great Lakes marine collection, cookbooks, H. G. Wells, definitive editions of collected works of British and American authors, Charles King collection, Harry Franck collection, genealogy; depository for U.S. Federal Documents, U.S. Geologic Survey, U.S. Defence Mapping Agency maps and U.S. Patent Office. Charles Allis Art Library of special collections of Chinese, Japanese and Korean porcelain and ceramics, carved jade, amber, crystal and glass, Renaissance bronzes and American and French 19th-century landscapes; 12 br. libraries. Wisconsin Regional Library for the Blind and Physically Handicapped headquarters, 4 mobile libraries, 3 library vans; Librarian Henry E. Bates, Jr.

SPECIAL LIBRARIES

Alaska

Alaska Historical Library: Pouch G, State Office Bldg., Juneau, Alaska 99811; f. 1900, name changed 1967; an Alaska/Arctic research library housing the Wickersham collection, Alaska newspapers, MSS. and photographs; 28,000 vols.; Librarian Phyllis De Muth; publ. *Northern Libraries Bulletin* (3 a year).

California

Hoover Institution on War, Revolution and Peace: Stanford, Calif. 94305; f. 1919; centre of documentation and research on international and domestic political, social and economic change in the 20th century; over 1.5 million vols. and approx. 3,900 archival units on the causes and consequences of war and revolutionary movements, and man's endeavour to achieve peace; with particular emphasis on the rise and spread of communism and other totalitarian movements; current research programme on political, economic and social problems in the United States; independent, within the framework of Stanford University; Dir. W. Glenn Campbell.

Huntington Library, Art Gallery and Botanical Gardens: San Marino, Calif. 91108; estab. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden; library collections include 320,523 rare books, more than five million MSS., a large print collection and a working reference library of 238,719 vols.; available to scholars and others engaged in research work, on application to the Registrar; the collections are limited to British and American history and literature; particular strengths include English medieval and Renaissance, British drama, American colonial, American Civil War, American frontier, 19th- and 20th-century literary MSS.; separate reference libraries are located in the Botanical Department and Art Gallery, the latter including 75,000 photographs of paintings and 6,000 British drawings; public programmes, lectures, exhibitions; research programme includes fellowships, grants, and publication of the *Huntington Library Quarterly*† and other scholarly works; Dir. James Thorpe; Librarian Daniel H. Woodward; *see* also Museums and Art Galleries.

Los Angeles County Law Library: 301 West First St., Los Angeles, Calif. 90012; f. 1891; 629,991 vols.; Librarian Forrest S. Drummond.

San Francisco Law Library: 436 City Hall, San Francisco 94102; 238,831 vols., main library; 30,367 vols., branch library; Librarians H. E. Rowe, J. H. Hauff.

District of Columbia

Association of American Railroads, Economics and Finance Department Library: Room 523, American Railroads Bldg., 1920 L St., N.W., Washington, D.C. 20036; f. 1910; 50,000 vols.; collection on transportation economics, history, and future developments all over the world; Librarian John McLeod.

Dumbarton Oaks Research Library and Collection: 1703 32nd St., Washington, D.C. 20007; donated in 1940 to Harvard University by Mr. and Mrs. Robert Woods Bliss as a research centre in the Byzantine and Medieval Humanities; research library of nearly 100,000 vols.; collections of early Christian and Byzantine art, and of Pre-Columbian art of Central and South America; research programmes in Byzantine and Pre-Columbian studies, history of landscape architecture; Dir. Giles Constable; Librarian Irene Vaslef; publs. *Dumbarton Oaks Papers* (Byzantine, annually), *Dumbarton Oaks Studies* (Byzantine, irregularly), *Studies in Pre-Columbian Art and Archaeology* (irregularly), *Conference Proceedings* (Pre-Columbian, irregularly), *Colloquium Papers* (Landscape Architecture, irregularly).

Folger Shakespeare Library: Washington, D.C.; dedicated 1932; collections comprise: the world's largest collection of original editions and reprints of Shakespeare; more than 50 per cent of the extant titles of English Renaissance books, 1475–1640; one of the most significant collections in the Western Hemisphere for the study of British civilization between 1500 and 1700; Continental books of 16th and 17th centuries; 185 vols. 18th-century Strozzi MSS.; a Dryden collection; English plays, 1641–1700; about 100,000 books of 18th, 19th and 20th centuries, dealing with the Elizabethan age; approximately 250,000 play bills; some 50,000 MSS. of 16th and 17th centuries relating to the life and times of Shakespeare; approximately 50,000 literary and theatrical prints and engravings; Programmes: Fellowships; Institute of Renaissance and 18th-century studies; theatre programme; lectures; poetry readings; concerts; exhibitions; administered by Trustees of Amherst College; Dir. Dr. O. B. Hardison, Jr.

Smithsonian Institution Libraries: General Library, National Museum of Natural History Building, 10th and Constitution Ave., N.W., 20560; 950,000 vols.; brs. include: General Library, Anthropology Branch Library, Botany Branch Library, Cooper-Hewitt Museum of Decorative Arts and Design Branch Library, Entomology Branch Library, Joseph H. Hirshhorn Museum and Sculpture Garden Branch Library, National Air and Space Museum Branch Library, National Collection of Fine Arts and National Portrait Gallery Branch Library, National Museum of History and Technology Branch Library, National Museum of Natural History Branch Library, National Zoological Park Branch Library, Smithsonian Astrophysical Observatory Branch Library, Smithsonian Radiation Biology Laboratory Branch Library, Smithsonian Tropical Research Institute Branch Library and, affiliated, The Woodrow Wilson International Center for Scholars Library; Dir. Jean Chandler Smith (acting).

Illinois

American Medical Association Division of Library and Archival Services: 535 North Dearborn St., Chicago, Ill. 60610; f. 1924; 100,000 vols.; specializes in clinical medicine, sociology and economics of medicine, international health, history of American Medical Association and health education; Dir. Susan Crawford, ph.d.

Cook County Law Library: 2900 Chicago Civic Center, Chicago, Ill. 60602; f. 1966; 200,000 vols.; Exec. Librarian William J. Powers; publs. *C.C.L.L. Newsletter, C.C.L.L. Selected New Acquisitions.*

Illinois State Historical Library: Springfield, Ill.; f. 1889; 144,000 vols.; special collections, including Illinois history, Lincolniana, Civil War, Illinois newspapers, genealogy, Mormon history, Mid-West Americana MSS.; State Historian William K. Alderfer; publs. *Collections of the Illinois State Historical Library, Journal of the Illinois State Historical Society, Illinois History, Occasional Papers.*

John Crerar Library: 35 West 33rd St., Chicago, Ill. 60616; f. 1894; about 1,250,000 vols. and pamphlets on the basic sciences, mathematics, astronomy, physics, chemistry, geology, and the biological sciences, and their applications in agriculture, medicine, and all branches of engineering; Exec. Dir. and Librarian William S. Budington; publs. *Translations Register-Index*† (monthly), *Leukemia Abstracts*† (monthly).

Library of International Relations: *see* under Learned Societies.

Newberry Library: 60 West Walton St., Chicago, Ill. 60610; f. 1887; a free public reference library of over 1,300,000 vols. in the humanities, with special collections on the American Indians, the history of printing, music, American and English history and literature, exploration and early cartography, Portugal, the Renaissance in England and Europe, European history from the Renaissance to 1794, the Philippine Islands; Latin American history and literature of the colonial period; maintains research and educational programmes in its Center for the History of Cartography, Center for the History of the American Indian, and Family and Community History Center; Pres. and Librarian L. W. Towner.

Iowa

Herbert Hoover Presidential Library and Museum: West Branch, Iowa 52358; f. 1962; official and personal papers of 31st President of U.S.A.; also 54 MS. collections; 22,236 vols., 5,338,953 MSS., 23,019 photos, 714 sound recordings and 133,424 ft. of film, 2,313 rolls microfilm, 9,478 pages of oral history, 4,057 museum objects; Dir. Thomas T. Thalken.

Kansas

Dwight D. Eisenhower Library: Abilene, Kansas 67410; f. 1962; manuscripts, presidential and personal papers related to former President Eisenhower, and manuscripts of important persons in the Eisenhower administration and in the General's military career; 18,000,000 manuscript materials, 20,000 vols., photographic collection of 100,000 items, audio tapes and films; Dir. Dr. J. E. Wickman.

Kansas State Historical Society Library: 120 West Tenth, Topeka 66612; f. 1875; 300,000 vols.; state archives, newspapers and census, state historical museum, archaeology; Exec. Dir. Joseph W. Snell; publ. *Kansas Historical Quarterly.*

Massachusetts

American Antiquarian Society Library: 185 Salisbury St., Worcester 01609; f. 1812; 610,000 vols.; Americana to 1876; Dir. M. A. McCorison; publs. *Proceedings* and monographs.

Francis A. Countway Library of Medicine: 10 Shattuck St., Boston, Mass. 02115; f. 1965; a combination of the Harvard Medical Library and Boston Medical Library; 480,000 vols.; Librarian C. R. Le Sueur.

Massachusetts Historical Society Library: 1154 Boylston St., Boston, Mass. 02215; f. 1791; 450,000 vols.; large collection of American historical MSS; Librarian John D. Cushing.

Minnesota

James Jerome Hill Reference Library: 76-80 West 4th St., Saint Paul, Minn. 55102; f. 1921; 200,000 vols.; business, economics and transport; Exec. Dir. Dr. Virgil F. Massman.

Minnesota Historical Society Library: 690 Cedar St., Saint Paul, Minn. 55101; f. 1849; 300,000 vols.; North American history particularly relating to Minnesota and the Upper Midwest (especially travel accounts, fur trade, Scandinavian and other immigration, labour, political and church history, railroad records, local history and geneaology); several million pamphlets, documents, newspapers, films, maps, photographs, tapes, artifacts, and MSS.; Dir. Russell W. Fridley; publs. *Minnesota History* (quarterly), *Roots* (3 a year), *Minnesota History News* (10 a year).

Missouri

Harry S. Truman Library: Independence, Mo. 64050; dedicated 1957; manuscripts, printed materials, photographs, sound recordings, and museum materials relating to the career and administration of former President Truman, and to the history and nature of the Presidency; 12,160,000 MSS., 68,994 photographs, 43,509 vols., 60,251 other printed items; administered by the Archivist of the United States, James B. Rhoads; Dir. Benedict K. Zobrist.

Pope John XXIII Foundation Library: Ecumenical and Research Center, 5225 Rockhill Rd., Kansas City, Mo. 64110; f. 1933; 10,000 vols. on religion; Librarian Mrs Marjorie Copeland.

State Historical Society of Missouri Library: Hitt and Lowry Streets, Columbia; f. 1898; 600,000 vols.; Librarian Richard S. Brownlee.

New York

American Geographical Society Library: Broadway at 156th St., New York, N.Y. 10032; 184,000 vols., 347,000 maps, 5,500 atlases, 65 globes; Map Curator/Librarian Dr. Roman Drazniowsky.

American Museum of Natural History Library: Central Park West at 79th St., New York, N.Y. 10024; 325,000 vols.; natural history; Chief Librarian Miss Nina J. Root.

Association of the Bar of the City of New York Library: 42 West 44th St., New York, N.Y. 10036; 369,000 vols.; law; Librarian Anthony P. Grech.

Engineering Societies Library: 345 East 47th St., New York, N.Y. 10017; f. 1913; 250,000 vols.; Dir. S. Kirk Cabeen.

Franklin D. Roosevelt Library: Hyde Park, New York 12538; dedicated 1941; manuscripts, photographs, printed and museum materials concerning the life and times of Franklin and Eleanor Roosevelt, incl. 9,000 lin. ft. of his papers, many papers of his contemporaries and associates; 17 million MSS. pages, 121,000 photographs, 38,000 books, 62,000 other printed items, 22,000 museum items; administered by the National Archives and Records Service of the General Services Administration; Dir. William R. Emerson.

Hispanic Society of America Library: Broadway, between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; over 100,000 manuscripts; 15,000 books printed before 1701, including 250 incunabula; over 100,000 later books; art, history and literature of Spain, Portugal and colonial Hispanic America; clipping and photographic files; Curator Jean R. Longland.

Jewish Theological Seminary of America Library: 3080 Broadway, New York, N.Y. 10027; *c.* 240,000 vols., *c.* 10,000 MSS., *c.* 23,000 leaves of Cairo Genizah, Archives, Louis Ginzberg Microfilm Library (foreign collections of Hebrew MSS.); incunabula; Bible, Rabbinics, Jewish History, Liturgy, Theology, Early Yiddish, Hebrew Literature, History of Science and Medicine; Haggadahs; Megillot (Esther scrolls); Ketuboth (marriage contracts); Prints and Photographs; Librarian Dr. Menahem Schmelzer.

Medical Research Library of Brooklyn: 450 Clarkson Ave., Brooklyn, New York 11203; f. 1845; the joint library of the Academy of Medicine of Brooklyn, Inc. f. 1845, and the State University of New York, Downstate Medical Center, f. 1860; 230,530 vols.; Dir. Kenneth E. Moody.

Mercantile Library Association: 17 East 47th St., New York, N.Y. 10017; f. 1820; 1,900 mems.; 200,000 vols.; Librarian Claire J. Roth; Pres. Ted Slate.

New York Academy of Medicine Library: 2 East 103rd St., New York, N.Y. 10029; f. 1847; 440,893 vols. and 179,361 catalogued pamphlets; medical; Librarian Alfred N. Brandon.

New York Law Institute Library: 120 Broadway, New York, N.Y. 10005; f. 1828; 850 mems.; 206,160 vols.; 1,126 reels of microfilm; 15,977 microfiches; law library for practising attorneys; Librarian Donald N. Crandall.

Pierpont Morgan Library: 29–33 East 36th St., New York, N.Y. 10016; f. 1924; collections formed by J. Pierpont Morgan, with additions made by his son and others; among its treasures are: Mediaeval and Renaissance MSS. from 6th to 16th centuries; Constance Missal and other printed books from the inception of printing, *c.* 1450 to the 20th century; Assyrian and Babylonian seals, cylinders, and cuneiform tablets; Egyptian, Greek, and other papyri; authors' and composers' autograph MSS., and letters from 15th to 20th centuries; historical letters and documents from 11th to 20th centuries; bookbindings; prints and master drawings; paintings, scupture, and art objects; Dir. Charles A. Ryskamp.

Union Theological Seminary Library: 3041 Broadway at 120th St., New York, N.Y. 10027; f. 1836; 548,877 vols., 102,989 pamphlets, 3,264 titles in microfilm, 3,713 typescripts, MSS., 1,552 periodical subscriptions, etc.; incorporates Missionary Research library; Dir. Robert Maloy.

United Nations Library: Dag Hammarskjöld Library: United Nations Plaza, New York 10017; f. 1946; dedicated 1961; special collections of documents on the UN, Specialized Agencies and the League of Nations; collections of books, periodicals and government documents on international law and relations, economics, statistics and on other topics of concern to the UN; activities and history of the UN; international affairs 1918-45; official gazettes of all countries; 380,000 vols., 15,000 serials, 80,000 maps; Dir. Mrs. N. I. Tyulina.

U.S. Military Academy Library: West Point, N.Y. 10996; f. 1802; 400,000 bound vols.; military-historical, academic, government documents, MSS., rare books and special collections; Librarian, Historian and Archivist E. A. Weiss; publ. *USMA Library Bulletins* (irregular).

Pennsylvania

American Philosophical Society Library: 105 South 5th St., Philadelphia, Pa. 19106; f. 1743; 150,000 vols., *c.* 5,000,000 MSS. microfilm; special collections on Benjamin Franklin, history of sciences, genetics, quantum physics, Darwinism, American Indian linguistics, Thomas Paine; Librarian Whitfield J. Bell, Jr.; publs. *Annual Report, Library Publications* (irregular), *Mendel Newsletter* (irregular).

Historical Society of Pennsylvania Library: 1300 Locust St., Philadelphia 19107; f. 1824; 250,000 vols., over 14,000,000 MSS.; Librarian John H. Platt.

STATE LIBRARIES

(with a total number of volumes over 500,000)

Arizona Department of Library, Archives and Public Records: Capitol Building, Phoenix, Ariz. 85007; f. 1864; law, government, Arizona and Southwest history, genealogy, federal and state documents, library extension service, archives; 1,000,000 vols.; Dir. Mrs. M. B. COOLEY.

California State Library: Sacramento, Calif. 95809; f. 1850; 827,345 vols., 2,397,000 government publications; Librarian Mrs. ETHEL S. CROCKETT; publs. *News Notes of California Libraries*† (3 a year), annual directory of libraries.

Connecticut State Library: 231 Capitol Ave., Hartford, Conn. 06115; f. 1854; 550,000 vols., 2 million MSS. and state archives; State Librarian CHARLES E. FUNK.

Hawaii State Library System: Box 2360, 1390 Miller St., Honolulu, Hawaii; 1,581,536 vols.; State Librarian Mrs. MAY C. CHUN.

Illinois State Library: Springfield, Ill. 62756; f. 1842; over 2.5 million items and documents; Librarian KATHRYN J. GESTERFIELD; publ. *Illinois Libraries* (monthly except July and August).

Indiana State Library: 140 North Senate Ave., Indianapolis 46204; f. 1825; to provide library service to state government, advice and counsel to the libraries and librarians of the state, reference service and materials for local school, public, special, and academic libraries; genealogy and special research collections; library for Indiana Academy of Science; 791,903 vols.; Dir. JEAN JOSE (acting); publ. *Library Occurent* (quarterly).

Kansas State Library: State House, Topeka, Kansas 66612; f. 1854; law, legislative reference, library services to the blind and handicapped; 800,000 vols.; State Librarian ERNESTINE GILLILAND.

Kentucky Department of Libraries: Berry Hill, Box 537, Frankfort, Ky. 40601; *c.* 4 million vols.; Librarian BARBARA M. WILLIAMS.

State Library of Massachusetts: 341 State House, Boston, Mass. 02133; f. 1826; 825,749 vols.; a government and public affairs library serving the information and research needs of the executive and legislative branches of Massachusetts State government; depository for printed documents of the same and for selected federal documents; collections especially strong in public law, public affairs, state and local history; State Librarian A. HUNTER RINEER, Jr.; publs. *Publications Received, Massachusetts Material, Recent and Interesting* (all monthly).

Michigan State Library: 735 E. Michigan Ave., P.O.B. 30007, Lansing, Mich. 48909; f. 1837; approx. 1,500,000 vols.; operates the State Library for the Blind and the State Law Library; Librarian FRANCIS X. SCANNELL; publs. *Michigan's Public Libraries Annual Statistics, Of Timely Interest, Michigan Documents, Michigan in Books, Family Trails, Michigan Periodical Index, Michigan Newspapers on Microfilm.*

New Hampshire State Library: 20 Park St., Concord, N.H.; 713,016 vols.; Librarian Mrs. AVIS M. DUCKWORTH.

New Jersey State Library: 185 W. State St., Trenton, N.J. 08625; 700,000 vols.; Dir. R. H. MCDONOUGH.

New York State Library: Albany, New York 12230; includes pamphlets, MSS.; collections of American and especially New York State history; newspapers and periodicals, Government publications, genealogy, library for the blind; 3 million vols.; Dir. PETER J. PAULSON.

Reference Services: Principal Librarian ROBERT P. STEWART.

Legislative and Governmental Services: Co-ordinator JACQUELINE ENEQUIST.

Collection Management/Network Services: Co-ordinator JOHN VANDER VEER JUDD.

Technical Services: Principal Librarian W. DE ALLEAUME.

Publs. *Bookmark, Checklist of official publications of the State of New York.*

State Library of Ohio: Columbus, Ohio; f. 1817; 967,744 vols.; a special library for State government, incl. periodicals, documents, pamphlets, services and microforms; special collection of management, political science, genealogy and local history; State Librarian IRA PHILLIPS (acting); Asst. State Librarian for Information Resources and Services Mrs. CATHERINE S. MEAD.

Oregon State Library: State Library Building, Salem, Oregon 97310; f. 1905; 975,688 vols.; provides service for the Legislature, state agencies and state officials; Librarian MARCIA LOWELL; publ. *Checklist of Official Publications.*

State Library of Pennsylvania: Box 1601, Harrisburg, Pa. 17126; 800,000 vols.; government, political science, education, social work, sociology, American and especially Pennsylvania history, urban affairs, library science, law, genealogy; Collection of Pennsylvania newspapers; maps; State Librarian PATRICIA MILLER BRODERICK (acting); Dir. General Library RONALD D. KRASH; Dir. State Law Library JUDITH FOUST; publs. *Year's Work in Pennsylvania Studies, Checklist of Official Pennsylvania Publications* (monthly).

Virginia State Library: 11th and Capitol St., Richmond, Va. 23219; f. 1823; 551,000 vols.; Virginia, Confederate and Southern history, genealogy; archive collection of 20,000,000 pieces; 75,000 maps; Librarian DONALD R. HAYNES; publs. *Virginia Cavalcade* (quarterly), *Checklist of Virginia State Publications, Statistics, Virginia State Publications in Print* (annual).

Washington State Library: Olympia, Wash. 98504; f. 1853, 610,500 books and periodicals; 861,000 federal and state government documents; Dir. RODERICK G. SWARTZ.

SELECTED UNIVERSITY LIBRARIES

(arranged alphabetically by States)

University of Alabama Library: University, Ala. 35486; f. 1828; 1,244,392 vols.; Librarian JAMES F. WYATT, PH.D.

University of Arizona Library: Tucson, Ariz. 85721; f. 1891; 2,766,187 vols.; Librarian W. DAVID LAIRD, M.S.; publs. occasional papers†.

Stanford University Libraries: Stanford, Calif. 94305; f. 1885; 4,363,593 vols., including the Green Library (1,609,881), Hoover Institution on War, Revolution and Peace (1,185,648 vols.), the J. Henry Meyer Memorial Library for under-graduates (140,344 vols.) and 45 departmental and school libraries, of which the major ones are: Lane Medical Library (264,882 vols.), Law Library (242,949 vols.), Cubberley Education Library (87,801 vols.), Branner Earth Sciences Library (59,727 vols.), J. Hugh Jackson Business Library (254,243 vols.), Food Research Institute Library (69,019 vols.), Linear Accelerator Center Library (92,272 vols.), Biology Library (58,539 vols.), Hopkins Marine Station Library (21,086 vols.), Mathematical Sciences Library (28,787 vols.), Swain Chemistry Library (26,631 vols.), Art (97,827 vols.), Music (41,623 vols.), Physics (29,192 vols.), Engineering (64,380 vols.); special collections: Transportation, Sir Isaac Newton, Typography, Music, English and American Literature; Technical Information Service serving business and industry; Dir. of Libraries DAVID C. WEBER.

University of California Libraries: Berkeley, Calif. 94720; f. 1868; total of 15,968,135 vols. in 10 libraries, which, with the number of volumes and names of librarians, are:

Berkeley: 5,035,753; J. A. ROSENTHAL, M.A., M.S.L.S. (acting).
Davis: 1,454,495; B. KREISSMAN, PH.D.
Hastings College of the Law: 147,730; D. F. HENKE, J.D., M.LL.
Irvine: 833,347; J. E. SMITH, B.A.
Los Angeles: 3,993,223; R. SHANK, D.L.S.
Riverside: 915,073; ELEANOR MONTAGU, M.A., M.B.A.
San Diego: 1,284,058; MILLICENT D. ABELL, M.A., M.L.S.
San Francisco: 461,568; D. BISHOP, B.A., M.S.
Santa Barbara: 1,275,311; A. VEANER, M.L.S.
Santa Cruz: 567,577; D. HERON, M.A., B.L.S.

University of Southern California Library: Los Angeles, Calif. Z90007; f. 1880; 1,650,000 vols.; Librarian R. L KIDMAN, M.S.

University of Colorado Libraries: Boulder, Colo. 80302; f. 1876; 1,590,481 vols.; Dir. ELLSWORTH MASON.

University of Connecticut Library: Storrs, Conn. 06268; f. 1881; 1,325,000 vols.; Librarian N. D. STEVENS.

Yale University Library: New Haven, Conn.; f. 1701; 6,692,632 vols.; each of the 12 Undergraduate Colleges has its own library; the following list gives the principal departmental libraries, with the total of volumes:

Main Library (Sterling Memorial, Beinecke & Cross Campus)	4,271,496
American Oriental Society	21,357
Anthropology	13,782
Art	61,891
Babylonian Collection	5,560
Chemistry	12,190
Classics	17,838
College Libraries	79,314
Cowles Foundation	7,722
Divinity	312,404
Drama	20,827
Economic Growth Center	33,417
Engineering and Applied Science	24,460
Epidemiology and Public Health	13,749
Forestry and Environmental Studies	122,314
Geology	77,350
German Reading Room	1,040
German Seminar	6,602
History Seminar	4,780
Indological and Linguistic Seminar	5,120
Kline Science	318,219
Law	572,522
Mathematics	21,128
Medical	439,152
Music	97,095
Observatory	14,835
Ornithology	7,182
Palmer-Schreiber	6,820
Philosophy	2,999
Semitic Reference	1,161
Sinological Seminar	11,000
Social Science	37,775
Statistics	3,080
Storage Collection	224,823
Yale Center for British Art	13,075

Librarian RUTHERFORD D. ROGERS; publ. *Gazette*†.

Florida State University Library: Tallahassee, Fla. 32306; f. 1853; 1,225,491 vols.; Dir. C. E. MILLER, M.S.L.S.; publs. *Notes in Anthropology, Slavic Studies, Contributions of the Sedimentological Research Laboratory.*

University of Florida Libraries: Gainesville, Fla. 32611; f. 1901; 1,807,242 vols.; Dir. G. A. HARRER.

Northwestern University Libraries: Evanston, Ill. 60201; f. 1856; 2,426,831 vols.; Northwestern University Library (humanities and social sciences, with special collections relating to Africa, French Revolution, Siege and Commune of Paris 1870–1871, Horace, Spanish Civil War, Spanish Drama, Modern Movements in Art, Literature and Politics, Maps); seven branch libraries (astronomy, biology, transportation, technology, geology, mathematics, music); three professional libraries (dentistry, law, medicine) and the Schaffner Library in Chicago; University Librarian JOHN P. MCGOWAN.

University of Chicago Library: Chicago, Ill. 60637; f. 1892; 4,019,470 vols., including the Joseph Regenstein Library, Harper (College) Memorial Library and 6 departmental libraries and professional school libraries; research collections (including special collections), for research in most areas in the humanities, law, business, and the social, biological and physical sciences; Dir. STANLEY MCELDERRY.

University of Illinois (Urbana-Champaign) Library: Urbana, Ill. 61801; f. 1867; 5,368,666 vols., 2,467,161 manuscripts, maps, microtexts and other items; special collections in classical literature and history, English literature including Milton and Shakespeare, Western U.S. history, Lincolniana, Italian history, music, architecture, science and technology; University Librarian HUGH ATKINSON, M.S.

Indiana University Library System: Bloomington, Ind. 47401; f. 1892; 4,402,980 vols., 1,271,750 microforms, 3,779,283 MSS.; also music scores, maps and charts, slides and transparencies, government publications; Dean of Libraries W. CARL JACKSON.

Purdue University Libraries: West Lafayette, Ind. 47907; f. 1869; 1,200,000 vols.; Dir. JOSEPH M. DAGNESE.

University of Notre Dame Library: Notre Dame, Ind. 46556; f. 1873; 1,280,000 vols.; Dir. DAVID E. SPARKS.

Iowa State University Library: Ames, Iowa 50011; f. 1870; 1,260,000 vols., 900,000 microforms, 16,900 serials, special collections in agricultural history, entomology, botany, conservation and veterinary medicine; Dean WARREN B. KUHN, M.S.

University of Iowa Libraries: Iowa City, Iowa 52242; f. 1847; 2,055,581 vols., 12 departmental libraries; special collections; Dean of Library Administration LESLIE W. DUNLAP, M.A., B.S.L.S., PH.D.; University Librarian DALE M. BENTZ, B.A., B.S.L.S., M.S.

Kansas State University of Agriculture and Applied Science, Farrell Library: Manhattan, Kansas; 800,000 vols.; Librarian G. JAY RAUSCH.

University of Kansas Libraries: Lawrence, Kans. 66045; f. 1866; 1,800,000 vols., 500,000 microforms; includes Watson (central) Library, Kenneth Spencer Research Library, and 6 branch and departmental libraries; Dean of Libraries JIM RANZ; publs. *Books and Libraries at the University of Kansas*†, *Bibliographical Contributions*†, *University of Kansas Publications, Library Series*†.

University of Kentucky Libraries: Lexington, Kentucky 40506; f. 1909; 1,640,420 vols., 1,571,746 microforms, 125,000 maps; 14 departmental and collegiate libraries; UN, federal and state depositories; King Library Press; University and audio-visual archives; large collection of Kentuckiana, special collections in French and Spanish drama 1600–1900, on Ohio Valley, modern political manuscript collections, broadside ballads and chapbooks, Cortot collection of music theory, typography, history of books; Dir. PAUL A. WILLIS.

Louisiana State University Library: Baton Rouge, La.; f. 1860; 1,659,549 vols.; Dir. GEORGE J. GUIDRY, Jr.

Tulane University of Louisiana Libraries: New Orleans, La. 70118; f. 1834; 1,200,000 vols. (incl. Law, Medicine and six other collections); special collections on New Orleans, Louisiana and Southern U.S. history; Latin American archaeology, art, economics and political science; Dir. of Libraries WILLIAM NEWMAN.

Johns Hopkins University Libraries: Baltimore, Md. 21218; f. 1876; total of 2,101,525 vols.; consists of:

Arts and Sciences Division: Baltimore, Md. 21218; including the Milton S. Eisenhower Library, Albert D. Hutzler Undergraduate Library, and John Work Garrett Rare Book Library; Librarian Dr. RICHARD A. POLACSEK (acting).

William H. Welch Medical Library: Baltimore, Md. 21205; Librarian Dr. RICHARD A. POLACSEK.

School of Hygiene and Public Health Library; Librarian WANITA TESAR.

School of Advanced International Studies Library: Washington, D.C. 20036 (Librarian PETER PROMEN) and Bologna, Italy (Librarian RICHARD C. LEWANSKI).

Applied Physics Laboratory Library: Laurel, Md. 20810; Librarian ROBERT KEPPLE.

University of Maryland Libraries: f. 1813; consists of:

College Park Campus Libraries: 1,231,540 vols.; Dir. H. JOANNE HARRAR.

Baltimore County Campus Library: Catonsville, Md.; 282,571 vols.; Librarian A. RAIMO.

Eastern Shore Campus Library: Princess Anne, Md.; 106,000 vols.; Librarian JESSIE SMITH.

Health Sciences Library: Baltimore, Md.; 218,486 vols.; Librarian CYRIL FENG.

School of Law Library: Baltimore, Md.; 150,000 vols.; Librarian L. KIEFER.

Boston University Libraries: Boston, Mass. 02215; f. 1870; 1,371,000 vols., 20,750 periodicals; Dir. JOHN LAUCUS, A.B., M.S.

Harvard University Library: Cambridge, Mass. 02138; f. 1638; the oldest library in the U.S.A.; the total of 9,547,576 vols. is divided among some 90 libraries and central collection which is housed in the Widener, Houghton, Pusey, Lamont, Hilles, Cabot Science Centre, Harvard-Yenching, Littauer, and Fine Arts Libraries; important collections in nearly every field of learning, and over 3,700 vols. printed before 1501; Dir. DOUGLAS W. BRYANT, A.M. IN L.S.; Harvard College Librarian LOUIS E. MARTIN, M.A., A.M.L.S.; publ. *Harvard Library Bulletin*† (quarterly). The largest special libraries, with number of vols. and names of librarians are:

Andover-Harvard Theological Library: 343,880 vols.; PETER L. OLIVER.

Baker Library for Business Administration: 498,177 vols.; L. J. KIPP.

Countway Library for Medicine: 471,908 vols.; C. ROBIN LESUEUR.

Harvard-Yenching Library: 552,204 vols.; EUGENE W. WU.

Houghton Library for Rare Books and MSS.: 241,245 vols.; WILLIAM H. BOND.

Law School Library: 1,293,197 vols.; MORRIS LEO COHEN.

Littauer Library of John F. Kennedy School of Government: 430,280 vols.; J. C. DAMASKOS.

Museum of Comparative Zoology Library: 250,690 vols.; EVA JONAS.

Massachusetts Institute of Technology Libraries: Cambridge, Mass. 02139; f. 1861; 1,620,041 books and pamphlets, 18,000 periodicals; Dir. of Libraries JAY K. LUCKER.

Michigan State University Libraries: East Lansing, Mich. 48824; f. 1855; 2,500,000 vols. and 10 departmental libraries and special collections; Dir. R. E. CHAPIN, PH.D.

University of Michigan Library: Ann Arbor, Mich. 48109; over 5,000,000 vols., including the special collections in the Business Administration Library, William L. Clements Library of American History, the Law Library, Michigan Historical Collections, Flint Campus Library, Dearborn Campus Library and 21 divisional libraries; Dir. RICHARD M. DOUGHERTY, PH.D.

Wayne State University Libraries: Detroit, Mich. 48202; 1,900,000 vols.; Dir. V. M. PINGS, PH.D.

University of Minnesota Library: Minneapolis, Minn.; f. 1851; 3,250,000 vols.; general and twenty departmental libraries; Librarian RALPH H. HOPP.

St. Louis University Libraries: 3655 W. Pine Blvd., St. Louis, Mo. 63108; f. 1818; 890,140 vols.; Dir. W. P. COLE; publ. *Manuscripta*† (3 times a year).

University of Missouri Library: Columbia, Mo. 65201; f. 1839; 1,900,000 vols. in general and 8 departmental libraries on Columbia Campus; 616,043 vols. in general and six departmental libraries on Kansas City Campus; 300,000 vols. on the Rolla Campus; 320,000 vols. in one library on the St. Louis Campus; special collections of Western Historical MSS. and Missouriana; Dirs. of Libraries: JOHN H. GRIBBIN, PH.D., Columbia; KENNETH LABUDDE, PH.D., Kansas City; RONALD G. BOHLEY, M.L.S., Rolla; ROBERT C. MILLER, A.M., M.S., St. Louis.

University of Nebraska Libraries: University of Nebraska-Lincoln, Lincoln, Neb. 68588; University of Nebraska at Omaha and University of Nebraska Medical Center, Omaha, Neb. 68101; f. 1869; 2,000,000 vols. in combined libraries plus UN and federal and map depositories; 20,000 serials; microfacsimile and archive depts.; collections supporting 9 colleges, 5 schools and 42 PH.D. programmes in Lincoln, 7 colleges and 1 school in Omaha; Dean: G. A. RUDOLPH.

Princeton University Library: Princeton, N.J.; f. 1746; about 3,000,000 vols.; special collections include Robert Garrett collection of Arabic and Mediaeval MSS., the Gest Oriental Library (250,000 vols.), the William Seymour theatre collection, the Rollins collection of Western Americana, the archives of Eugène de Beauharnais, Morris L. Parrish collection of Victorian novelists, Cyrus H. McCormick and Grenville Kane collections of Early Americana, John Foster Dulles Library of Diplomatic History, etc.; Librarian DONALD W. KOEPP; publ. *Chronicle*.

Rutgers University Libraries: New Brunswick, N.J. 08901; f. 1766; 2,000,000 vols.; Librarian GEORGE A. CARROLL, M.B.A. (acting).

Columbia University Libraries: New York, N.Y. 10027; f. 1754; approx. 4,500,000 vols.; there are 26 departmental and professional school libraries with important collections in architecture, business, law, medicine, engineering, the sciences, humanities and social sciences; University Librarian WARREN J. HAAS.

Cornell University Libraries: Ithaca, N.Y. 14853; f. 1865; 4,300,000 vols.; Dir. J. GORMLY MILLER.

Five Associated University Libraries: co-ordinates the libraries of the University of Rochester, Cornell University, Syracuse University, the State Universities of New York at Birmingham and Buffalo; Liaison Officer Mrs. MARIE B. KUNDER, 757 Ostrom Ave., Syracuse, N.Y. 13210.

New York University Libraries: New York, N.Y. 10012; f. 1835; 2,302,000 vols.; Dean CARLTON C. ROCHELL, PH.D.

Syracuse University Library: 222 Waverly Ave., Syracuse, N.Y. 13210; f. 1870; 1,678,402 vols.; Dir. DONALD C. ANTHONY.

University of Rochester Libraries: Rochester, N.Y. 14627; f. 1850; 1,700,000 vols.; includes Sibley Music Library and Edward G. Miner Library; Dir. ALAN R. TAYLOR.

Duke University Library: Durham, N.C. 27706; f. 1838; 2,850,000 vols.; British history and literature of 17th to 19th centuries; general European history since 1870; French Revolution; Church history of Reformation; American and Latin American history; Southern Americana; French, English, Italian and American literature; international law; eight special libraries; Librarian Mrs. CONNIE R. DUNLAP.

University of North Carolina Library: Chapel Hill, N.C. 27514; f. 1795; 2,274,173 vols., 1,198,980 microforms; special collections on North Carolina, Southern Americana, on the Origin and Development of the Book, on American drama, Dickens, Shaw, Spanish drama, Federal and State documents, Latin America, Napoleon and the French Revolution, Johnson and Boswell, Mazarinades, Music, and Southern historical MSS.; 10 departmental libraries in scientific and other fields; Librarian JAMES F. GOVAN.

Ohio State University Library: 1858 Neil Ave., Columbus, Ohio 43210; f. 1870; 2,911,839 vols.; 1,522,936 other items; Dir. of Libraries (vacant).

University of Cincinnati Library: Cincinnati, Ohio 45221; f. 1819; 955,705 vols.; comprises a general library, and 15 departmental libraries; includes special collections on classics, modern Greek, and history of medicine; Librarian HAL B. SCHELL, M.L.S.

Case Western Reserve Libraries: Cleveland, Ohio 44106; f. 1826; 1,591,912 vols., 13,283 current periodicals and 273,015 microforms in five administrative units:

University Libraries: Freiberger Library (humanities and social sciences), Sears Library (science, technology, business, management, geology), Music Library, Astronomy Library; Dir. JAMES V. JONES.

Cleveland Health Sciences Library (medicine, dentistry, nursing); Dir. ROBERT G. CHESHIER.

School of Applied Social Sciences; Librarian VLATKA IVANISEVIC.

School of Law; Librarian SIMON GOREN.

School of Library Science; Librarian BETTINA MACAYEAL.

Special collections include Early American Children's Books, German Literature and Philology, History of Medicine, History of Printing, History of Science and Technology, Environmental Sciences, Natural History, Public Housing and Urban Development.

University of Oklahoma Library: Norman, Oklahoma 73019; f. 1892; 1,500,000 vols.; Librarian JAMES K. ZINK, PH.D.

University of Oregon Library: Eugene, Oregon 97403; f. 1876; 1,378,000 vols.; 220,000 government documents; 308,000 maps; 38,000 microfilm reels; 560,500 other microforms; Librarian H. W. AXFORD, PH.D.; publs. *Comparative Literature* (quarterly), *The Insurgent Sociologist* (quarterly), *Northwest Review* (2 or 3 a year), *Oregon Law Review* (quarterly), *Oregon University Anthropological Papers* (irregular), *Oregon University Museum of Natural History Bulletin* (irregular), *Imprint-Oregon* (2 a year).

Pennsylvania State University Libraries: University Park, Pa. 16802; 2,116,135 vols.; 1,227,263 microforms; 207,618 maps; 994,153 government documents; comprises Central Library, four departmental brs., two undergraduate brs., 18 Commonwealth Campus Libraries, Hershey Medical Centre Library; special collections: American Literature (Fred Lewis Pattee); Australian Art and Literature; Gift Books, Emblem Books; Forest History; German Literature in translation (Allison-Shelley); Pennsylvania Collection (Beaver); Joseph Priestly; Renaissance; Utopian Literature; Labour History; Vance Packard; John O'Hara; U.S. Steel Workers of America Archives; Dean of Libraries STUART FORTH.

University of Pennsylvania Library: Philadelphia, Pa. 19104; f. 1750; 2,800,000 vols.; central library and 20 departmental and affiliated libraries; Archaeology, Leibniz, Descartes, History of Philosophy and Science, Baltic Languages and Literature (especially Saulys Collection of Lithuanian materials), History of Chemistry (Edgar Fahs Smith collection), French Revolution, Aristotelianism, Occam, Medieval History, Inquisition (Henry C. Lea Library), English and European Bibles, Italian Renaissance Literature (Macauley Collection), Spanish Literature of the Golden Age (Rennert and Crawford Collections), Spanish Linguistics (Gillet Collection), Shakespeareana (Furness Library), Restoration Drama, 18th- and early 19th-century English fiction, Jonathan Swift, Thomas Paine, American drama, fiction, and poetry: Walt Whitman, Washington Irving, Robert Montgomery Bird, Theodore Dreiser, James Farrell; Middle-High German (Bechstein and part of Ehrismann Collection), Old French, Friesian, Indic MSS., South Asia, History of Economics (especially 18th and early 19th centuries), History of Education, Cryptography, Spiritualism, Programmschriften, Elzevir Imprints, Franklin Imprints, early Americana, the American West, Canadiana; Dir. RICHARD DEGENNARO.

University of Pittsburgh Libraries: Pittsburgh, Pa. 15260; f. 1873; 19 separate libraries on or near Main Campus and 4 regional campus libraries in Bradford, Greensburg, Johnstown and Titusville; 2,916,000 vols. including microforms; Dir. Mrs. GLENORA ROSSELL.

Brown University Library: Providence, R.I. 02912; f. 1767; 1,530,000 vols.; Librarian C. D. CHURCHWELL.

Joint University Libraries: Nashville, Tenn. 37203; estab. 1936 by Vanderbilt University, the George Peabody College for Teachers, and Scarritt College for Christian Workers, all of Nashville; 1,370,999 vols.; Dir. FRANK P. GRISHAM.

University of Tennessee Libraries: Knoxville, Tenn. 37916; f. 1794; 1,390,000 vols.; Dir. of Libraries DONALD R. HUNT.

University of Texas at Austin Libraries: Austin, Tex. 78712; f. 1883; 3,878,535 vols.; also Arlington 528,860 vols.; El Paso 482,831 vols.; Permian Basin 282,178 vols.; San Antonio 199,938 vols.; Health Science Center, Houston 38,600 vols.; Health Science Center, Dallas 129,008 vols.; Health Science Center, San Antonio 88,154 vols.; Medical Branch, Galveston 162,097; Dir. at Austin H. W. BILLINGS, M.L.S. (acting).

University of Utah Library: Salt Lake City, Utah 84112; f. 1850; 1,650,000 vols., 16,000 serial titles; Dir. R. K. HANSON.

University of Virginia Library: Charlottesville, Va. 22901; f. 1819; 2,006,454 vols.; special collection on American History, including McGregor Library of American History and the Barrett Library of American Literature, Massey Faulkner collection, Streeter collection on Southeastern Railways, Optics, Evolution, Thomas Jefferson, Edgar Allan Poe, Walt Whitman, Greek and Latin literature, Nuclear Energy, Music, International Law, History of Printing, Gothic novels, *inter alia;* Librarian Ray W. Frantz.

University of Washington Libraries: Seattle, Wash.; f. 1862; 2,276,454 vols.; 33,907 current serials, 1,039,223 government documents; includes Law Library (separately administered; Librarian Marian G. Gallagher), Health Sciences Library, Odegaard Undergraduate Library, North-west Collection of Americana and 16 br. libraries; Dir. Marion A. Milczewski.

West Virginia University Library: Morgantown, W. Va.; f. 1867; 1,622,000 vols.; Dir. R. F. Munn.

University of Wisconsin Library: Madison, Wis. 53706; f. 1848; 3,238,152 vols.; special collections on pharmacy, Scandinavian literature, Gaelic literature and history, and modern Polish literature, history of science, history of Calvinism, socialistic and labour movements; English, American, French, German, Icelandic, Irish, Spanish literature and history, etc.; Dir. Joseph H. Treyz, m.s.

MUSEUMS AND ART GALLERIES

Museums. *The following list includes most of the best known and special museums in the United States, but it is of necessity a selection only.*

"The Official Museums Directory" published by the American Association of Museums and the Smithsonian Institution should be consulted for more detailed information.

American Museum of Science and Energy: P.O.B. 117, Oak Ridge, Tenn. 37830; f. 1949; operated for the U.S. Department of Energy by the Museum Division of the Oak Ridge Associated Universities; Chair. Robert F. Content.

Adams National Historic Site: P.O.B. 531, 135 Adams St., Quincy, Mass. 02169; donated to the U.S. in December 1946, by the Adams Memorial Society; designated a national historic site under the administration of the National Park Service of the Department of the Interior; built in 1731 by Major Leonard Vassall of Boston; bought by John Adams in 1787. At the end of his term he lived in the house until his death in 1826. The house then passed to his son, John Quincy Adams, in the middle of his term as sixth President. After his death in 1848 the house passed to his son, Charles Francis Adams, Minister to England during the Civil War. The Adams family continued to live there until the death in 1927 of Brooks Adams, the fourth son of Charles Francis Adams. The house, contents, and garden are as the Adams family left them. The separate stone library, standing in the garden, was built in 1870 by Charles Francis Adams. It contains an estimated 14,000 volumes, comprising most of the libraries of John Quincy Adams and Charles Francis Adams and some of the libraries of John Adams, Charles Francis Adams II, Henry Adams and Brooks.

Adler Planetarium, The: 1300 South Lake Shore Drive, Chicago, Ill. 60605; f. 1930 by Max Adler; the circular planetarium chamber seats 400 persons, with a hemispherical dome 68 feet wide and Zeiss VI projector; the exhibition areas contain a comprehensive collection of astronomical instruments, mostly ranging from the 15th century; exhibits in astronomy and related sciences; uni-directional Universe Theatre; library of about 5,000 vols.; lecture hall seating 120 persons; classrooms; photographic laboratories; optical shop; art, wood, and metal shops; 8-inch coelostat and projection spectrograph; several telescopes including a 16-inch diam. Cassegrain-Newtonian reflector. Programme includes classes in astronomy, navigation, and telescope making; graded school programme; public observation sessions, demonstrations, lectures and films and sponsorship of amateur astronomical societies; Dir. Dr. Joseph M. Chamberlain; publs. *Sky Show*† and *Course Brochures*†.

Alaska State Museum: Pouch FM, Juneau, Alaska 99811; f. 1900, opened to the public 1920; outstanding collection of Eskimo, Tlingit and Haida, Athapaskan, and Aleut artifacts; also contemporary and historic art, natural history specimens, and a limited historic collection; Chief Curator Alan Munro.

American Museum—Hayden Planetarium: 81st St. and Central Park West, New York, N.Y. 10024; f. 1935; the Hayden Planetarium is a theatre of the sky; by rays of light from Zeiss projector on a 75-foot dome, about 9,000 stars are shown in the Planetarium heavens; several times in the year a new sky-show is presented dealing dramatically and scientifically with the various aspects of the heavens; courses and special lectures; Chair. and Associate Astronomer Dr. Mark R. Chartrand III; Astronomer Dr. Kenneth L. Franklin.

American Museum of Natural History: Central Park West at 79th St., New York, N.Y. 10024; inc. 1869; departments: animal behaviour, anthropology, astronomy and the American Museum—Hayden Planetarium, education, entomology, herpetology, ichthyology, fossil and living invertebrates, mammalogy, mineralogy, ornithology, vertebrate paleontology; library of 300,000 vols., 6,000 periodical titles; Pres. Board of Trustees Robert G. Goelet; Dir. Thomas D. Nicholson, ph.d.; Controller Pauline Meisler; Librarian N. J. Root; publs. *Natural History Magazine, American Museum Novitates, A.M.N.H. Bulletin, Curator, Anthropological Papers, Micropaleontology Press.*

Arizona State Museum: Univ. of Arizona, Tucson, Arizona 85721; f. 1893; devoted to the study of south-western archaeology and the living Indians of the region, and the natural history of the State; engaged in archaeological and ethnological research, excavation and field work in Arizona; library of 28,000 vols.; archaeological publication series; Dir. Raymond H. Thompson, ph.d.

Art Institute of Chicago: Michigan Avenue at Adams Street, Chicago, Ill. 60603; f. 1879; 54,000 mems.; American painting and sculpture; 13th to 20th-century European painting; mediaeval and Renaissance art; prints and drawings; sculpture; Oriental arts (of 5,000 years); primitive art; textiles; decorative arts; School of Art; Ryerson Library, f. 1901; Burnham Library, f. 1912; total of 129,000 vols. and 180,000 slides on art and architecture; also Junior Museum; Pres. E. Laurence Chalmers; Vice-Pres. Larry Ter Molen, Robert Mars, Donald J. Irving; Sec. Louise Lutz; publs. *Calendar, Annual Report, Museum Studies, Bulletin,* exhibition catalogues. *See also under* "Colleges".

Asian Art Museum of San Francisco, the Avery Brundage Collection: Golden Gate Park, San Francisco, Calif. 94118; f. 1969; museum and centre of research on outstanding collections of Chinese, Japanese, Korean, Indian, South-East Asian, Lamaist and Islamic art; library of 12,000 vols.; Dir. and Chief Curator YVON D'ARGENCÉ.

Baltimore Museum of Art: Art Museum Drive, Baltimore, Md. 21218; f. 1914; collections include 2nd-6th century Antioch Mosaics, Epstein and Jacobs collection of Old Masters, 17th–20th century American paintings, Cone collection of 19th and 20th century French paintings, drawings and sculptures, May collection of 20th century European paintings and sculptures, 60,000 prints and drawings from 15th century to modern times, Gallagher Memorial Collection of contemporary American paintings, Wurtzburger collection of primitive art, Wurtzburger Collection of 20th-century sculpture; collections of American and European decorative arts; 10,000 mems.; library of 17,000 vols.; Pres. CALMAN J. ZAMOISKI, Jr.; Dir. TOM L. FREUDENHEIM; publ. *Monthly Calendar of Events.*

Barnes Foundation Collection: Merion Station, Montgomery County, Pa. 19066; f. 1922 by Dr. Albert C. Barnes; offers courses in the philosophy and appreciation of art; collection of 1,000 paintings, including works by El Greco, Titian, Goya, Rubens, Renoir, Cézanne, Picasso, Matisse and Van Gogh; also sculpture, antique furniture and wrought iron; Arboretum, with courses in botany and horticulture; Pres. SIDNEY W. FRICK; Vice-Pres. VIOLETTE DE MAZIA; Treas. GIRARD BANK; publ. *Journal of the Art Department*† (2 a year).

Bernice P. Bishop Museum: P.O.B. 6037, 1355 Kalihi St., Honolulu, Hawaii 96818; f. 1889; devoted to the study of natural and cultural history in the Pacific; library of 77,500 vols.; Dir. Dr. EDWARD C. CREUTZ; publs. Bulletins†, Occasional Papers†, Special Publications, Annual Reports, *Journal of Medical Entomology* (6 a year), *Journal of Pacific Insects* (quarterly), *Pacific Anthropological Records, Reports* (irregular), *Pacific Insects Monographs* (irregular).

Boston Museum of Fine Arts: Boston, Mass. 02115; a private corporation; incorp. 1870; departments of Asiatic art with outstanding collection of Chinese and Japanese sculpture, painting, and ceramics, Indian and Mohammedan art; Egyptian art with important Old Kingdom Collection; Classical art with Greek and Roman sculpture, coins, and seals; American and European decorative arts with American furniture, silver, Medieval and Renaissance European sculpture, English and American silver; paintings of Europe and America, stressing French Impressionist, American Colonial and 19th-century works; large department of Prints and Drawings; department of Textiles with Coptic, 17th–19th century European and American textiles, costumes, and tapestries, Contemporary Art (since 1945), department of education, Art School; library of 105,000 books and periodicals; 60,000 pamphlets; Dir. JAN FONTEIN; publs. *Calendar of Events* (monthly), *Bulletin* (quarterly), catalogues, handbooks.

Brooklyn Institute of Arts and Sciences: 200 Eastern Parkway, Brooklyn, N.Y. 11238; org. 1823; Chair. JAMES RIORDAN; comprises the following three institutions:

Brooklyn Museum: 188 Eastern Parkway, Brooklyn N.Y. 11238; estab. 1889; aboriginal American art; Peruvian textiles; pre-Columbian gold; Costa Rican sculpture; collections from Africa, Indo China, Melanesia and Polynesia; collections from China, Japan, India and Persia; Colonial South American art; American period rooms; American and European paintings; Ancient art of the Near East, Egypt, Greece and Rome; American and European costumes; American glass, pewter and silver; Renaissance and medieval art; costumes gallery; art reference library and Egyptological library (70,000 books and periodicals); industrial design laboratory and work rooms; art school; Dir. DUNCAN F. CAMERON; publs. *Brooklyn Museum Annual Report* and monographs.

Brooklyn Children's Museum: 1530 Bedford Ave., Brooklyn, N.Y. 11213; f. 1899; natural history science and cultural collections; planetarium; lending library of collections; Neighborhood Museum; Dir. LLOYD HEZEKIAH.

Brooklyn Botanic Garden and Arboretum: 1000 Washington Ave., Brooklyn, N.Y. 11215; f. 1911; library of 55,000 vols., approx. 10,000 species and varieties; Dir. Dr. LOUIS B. MARTIN; publs. *Plants and Gardens* (quarterly), *Brooklyn Botanical Garden Annual Report, Brooklyn Botanic Garden Contributions.*

Buffalo Fine Arts Academy (*incorporating Albright-Knox Art Gallery* (*dedicated* 1905)): 1285 Elmwood Ave., Buffalo, N.Y. 14222; f. 1862; collection of 19th and 20th-century paintings, with emphasis on American and European contemporary artists; sculpture 3,000 B.C. to present day; prints and drawings; Chair. SEYMOUR H. KNOX; Pres. SAMUEL D. MAGAVERN; Sec. ROY W. DOOLITTLE; Dir. (Art Gallery) ROBERT T. BUCK, Jr.; Chief Curator (Art Gallery) STEVEN A. NASH; Curator of Education (Art Gallery) CHARLOTTE BUEL JOHNSON.

Buffalo Museum of Science (*administered by Buffalo Society of Natural Sciences*): Humboldt Parkway, Buffalo, N.Y. 14211; building opened 1929; Exhibit halls tell the story of science in natural sequence and full colour; anthropology, astronomy, biology, botany, conchology, entomology, geology, ornithology, palaeontology, primitive and oriental art, zoology; library of 40,000 vols.; solar and lunar observatory, loan collections, lectures, motion pictures, day and evening classes, etc.; Pres. HERBERT J. DARLING, Jr.; Dir. VIRGINIA L. CUMMINGS; publs. *Collections/BSNS*† and *Buffalo Society of Natural Sciences Bulletin*†.

Buhl Planetarium and Institute of Popular Science: Allegheny Square, Pittsburgh, Pa. 15212; opened 1939; five galleries are devoted to exhibits in earth-space and physical sciences; the auditorium, seating 490 spectators, is equipped with a Zeiss planetarium projector for presentations of astronomical science; a lecture hall, seating 240 persons, is equipped for laboratory demonstrations, science films, and the use of micro-projector, epidiascope, and similar visual teaching devices; educational programme in science extends from elementary to collegiate and adult level; in the observatory a 10-inch siderostat telescope is available to the public; classes in astronomy, short-wave radio, model rocketry, physics, chemistry, geology, etc.; 8 lesson vacation courses on space-age science for children; Exec. Dir. C. F. WAPIENNIK.

California Palace of the Legion of Honor: Lincoln Park, San Francisco, Calif. 94121; f. 1924; museum of fine arts; French paintings from the 16th-20th centuries; French original room interiors; French and Flemish tapestries; sculpture by Auguste Rodin; Achenbach Foundation for Graphic Arts has largest collection of prints and drawings in the Western U.S.; Dir. IAN MCKIBBIN WHITE; publ. *Monthly Calendar of Events*†; *see also* M. H. de Young Memorial Museum.

Cincinnati Art Museum: Eden Park, Cincinnati, Ohio 45202; inc. 1881; permanent collections include: Paintings—Europe (12th–20th century), including Mary Emery, Mary Hanna and Mary E. Johnston collections; China (13th–17th century); America (18th–20th century); Sculpture—Nabataean antiquities from Khirbet Tannur; Egyptian, including Millard F. and Edna F. Shelt collections; Greek, Roman, Medieval, Renaissance, Near and Far Eastern and Modern sculpture; Prints and Drawings—Europe (15th–20th century); America (17th–20th century); Miniatures—India (16th–18th century); Persia (11th–17th century); Primitive Cultures—Artifacts (6th–19th century) from N. and S. America and Africa; Decorative Arts—European arms and armour, Chinese bronzes and pottery (ancient to 13th century); Near-Eastern pottery, silver, textiles, bronzes and gold; European and American period rooms, ceramics, silver, glass, lace, tapestries and costumes; the Arthur Joseph collection of Meissen porcelain is on permanent loan; the W. T. H. Howe collection of early American glass; the William H. Doane collection of musical instruments; temporary exhibitions; library of 37,000 vols. with 225,000 pamphlets and clippings and 16,500 mounted pictures; Dir. Millard F. Rogers, Jr.; publ. *Bulletin* (annually).

Cleveland Health Education Museum: 8911 Euclid Ave., Cleveland, Ohio 44106; incorporated 1936, opened 1940; founded by doctors, dentists, etc.; lectures, exhibits, models, films, covering all aspects of health; permanent exhibits; outstanding collection of 100 models on human reproduction; the "Transparent Woman"; the mechanical "brain"; the "chromosome puff"; the Upjohn "Defense of Life"; Department of Education working with schools in Greater Cleveland; Dir. Lowell F. Bernard; publ. *Health News* (monthly).

Cleveland Museum of Art: 11150 East Blvd., Cleveland, Ohio 44106; inc. 1913, opened 1916; collections include paintings, sculpture, prints and drawings, textiles and decorative arts from the ancient world, the Orient, Europe, the Americas, Africa and Oceania; library of 95,000 books and periodicals; Pres. Lewis C. Williams; Dir. Sherman E. Lee; publs. *Bulletin* (10 a year), *News & Calendar* (6 a year).

Cleveland Museum of Natural History: Wade Oval, University Circle, Cleveland, Ohio; f. 1920; comprises Natural Science Museum, Mueller Planetarium and Observatory, Cleveland Aquarium, Kelley's Island and Fern Lake Reservations; collections in all fields, with particular emphasis on the northern half of Ohio, including Upper Devonian Fossil Fishes; also vertebrates, insects, shells, minerals, precious and semi-precious stones, and botanical and ethnological materials; the Museum has sponsored or participated in several expeditions to Africa, islands of the South Atlantic, vicinity of the North Pole, the Azuero Peninsula of Panama, and various parts of North America; many study collections, including Elizabeth Lucas collection of floral reproductions, the Hamann-Todd skeletal collection; mounted Jurassic cetiosaurid, Haplocanthosaurus; library of 50,000 vols.; Dir. Dr. H. D. Mahan; publs. *The Explorer* (quarterly), *Kirtlandia*† (scientific papers), *The Cleveland Bird Calendar* (quarterly), *Tracks* (bi-monthly members' newsletter).

Colonial Williamsburg Foundation: Goodwin Building Williamsburg, Va. 23185; f. 1926; preservation project and 173-acre outdoor museum with nearly 500 preserved, restored, and reconstructed buildings; over 40 buildings with 211 gallery rooms open to public; more than 90 acres of period gardens and greens; collection of 18th-century English and American furniture and domestic objects; library of 30,000 vols.; audiovisual and publication programme; demonstration of approx. 30 crafts by 100 craftsmen; Chair. Carlisle H. Humelsine; publ. *Annual Report.*

Cooper-Hewitt Museum, Smithsonian Institution's National Museum of Design: 2 East 91 St., New York, N.Y. 10028; administered by the Smithsonian Institution (*see* under Learned Societies); formerly Cooper Union Museum; f. 1895; 100,000 items, including collections of original drawings and designs for architecture and the decorative arts; 15th- to 20th-century prints; textiles, lace, woodwork and furniture, ceramics, glass, etc.; drawings and paintings by F. E. Church, W. Homer and other 19th-century American artists; library of 30,000 vols.; Picture Reference Library of 1,500,000 illustrations; archives of colour, pattern, textiles, symbols, interior design, advertising; Dir. Mrs. Lisa Taylor; Administrator Christian Rohlfing.

Currier Gallery of Art: 192 Orange Street, Manchester, New Hampshire; f. 1929; galleries devoted to oils, water colours, prints, decorative arts and sculpture; permanent collection contains works by Copley, Degas, G. B Tiepolo, Stuart, Homer, Raeburn, Monet, Tintoretto, Constable, Corot, Ruysdael, Mabuse, van Cleve, Rouault, Matisse, Perugino, Picasso and contemporary American painters; 18th- and 19th-century furniture, glass, silver, pewter; frequent loan exhibitions, lectures, chamber music; Dir. David S. Brooke; publ. *Bulletin.*

Denver Art Museum: 100 West 14th Ave., Parkway, Denver, Colo. 80204; f. 1893 as Artists' Club of Denver; new building opened 1971; art education programmes for children and adults; collections of world art represent almost every period and culture in history; regular changing exhibitions and special events; Dir. Thomas N. Maytham; publs. monthly newsletter†, regular catalogues and publications†.

Denver Museum of Natural History: City Park, Denver, Colo. 80205; f. and incorporated 1900; departments: anthropology, graphic design, birds, geology, mammals, palaeontology; Pres. Allan Phipps; Dir. Charles T. Crockett; Sec. W. Scott Moore; publs. *Annual Reports, Popular Series, Museum Pictorial.*

Detroit Institute of Arts: 5200 Woodward Ave., Detroit, Mich. 48202; f. 1885; comprehensive collection from prehistoric to contemporary times; rich collection of American, Dutch, Flemish, French, Italian and German Expressionist painting; French-Canadian silver, African, Oriental and Modern art; graphic arts; American and European decorative arts; Theatre arts collection; library of 50,000 vols.; Dir. Frederick J. Cummings; Sec. Robert T. Weston; publs. *Bulletin*† (quarterly), *Calendar* (10 a year).

Fels Planetarium of the Franklin Institute: Philadelphia, Pa. 19103; The Zeiss Planetarium can show the skies in the past, present, or future for extended periods; seats 400; graded school programme; classes in astronomy; Dir. H. G. Hamilton.

Field Museum of Natural History: Roosevelt Rd. At Lake Shore Drive, Chicago, Ill. 60605; f. by Marshall Field in 1893; departments: anthropology, botany, geology, zoology (birds, fishes, insects, invertebrates, mammals, reptiles and amphibians); library: 185,000 vols.; large collection of books on China, including several thousand in Chinese; Ornithological Section includes many rare and beautifully illustrated vols.; Pres. and Dir. E. Leland Webber; publs. *Field Museum of Natural History Bulletin, General Guide, Fieldiana*† (technical publications in anthropology, botany, geology, and zoology), popular series in same fields.

Fine Arts Gallery of San Diego: Balboa Park, P.O.B. 2107, San Diego, Calif. 92112; operated by Fine Arts Society; Renaissance and Baroque paintings of Spanish, Italian, Dutch, Flemish and French schools; major works by Greco, Zurbaran, Goya, Crivelli, Titian, Tiepolo, Guardi, Rubens, Rembrandt, Ruysdael, Hals, David, Matisse, Braque; early and contemporary American artists; Asiatic arts and sculpture, graphics and decorative arts from many countries; the Fine Arts Society has a membership of about 4,000; art library of several thousand vols.; lectures, concerts and classes are provided; Dir. Henry G. Gardiner.

Fogg Art Museum: *see* William Hayes Fogg Art Museum.

Franklin D. Roosevelt Museum: Warm Springs, Ga.; f. 1961; contains Roosevelt mementoes from the Little White House.

Franklin Institute Science Museum and Planetarium: Benjamin Franklin Parkway, at 20th St., Philadelphia, Pa. 19103; f. 1824; exhibits and demonstrations in physical sciences and technology; research laboratories; meetings and lectures; 8,000 mems.; library of 3,000 vols., 4,000 periodicals, patent file; Dir. JOEL N. BLOOM; publs. *The Journal of The Franklin Institute*† (monthly), *The Franklin Institute News* (quarterly).

Freer Gallery of Art: 12th St. and Jefferson Drive, S.W., Washington, D.C. 20560; administered by the Smithsonian Institution (*see* under Learned Societies); established 1906; opened 1923; devoted to research on the outstanding collections of Chinese, Japanese, Indian and Islamic art; gift of the late Charles L. Freer, of Detroit; large collection of the works of James McNeill Whistler and his contemporaries; library of 24,000 vols.; Dir. THOMAS LAWTON, M.F.A., PH.D.; Curator of Islamic Art ESIN ATIL, M.A., PH.D.; Curator Chinese Art HIN-CHUENG LOVELL, M.A.; Head Conservator Freer Gallery Technical Laboratory W. THOMAS CHASE, M.A.; publs. *Annual Report, Occasional Papers, Oriental Studies, Ars Orientalis*, etc.

Frick Collection: 1 East 70th St., New York, N.Y. 10021; opened 1935; important collection of 13th- to 19th-century European paintings; Italian Renaissance bronzes and furniture; Limoges enamels of the Renaissance; French 18th-century sculpture, furniture and porcelains; Oriental porcelains; rotating exhibitions of drawings and prints; the works of art, most of them assembled by the late industrialist Henry Clay Frick, are arranged with a freedom and flexibility that retain the atmosphere of his former residence; Dir. EVERETT FAHY.

Greenfield Village and Henry Ford Museum: Dearborn, Mich.; f. 1929; general museum of American history covering 260 acres; American decorative arts, transportation, steam and electrical power, communication, agriculture, lighting, home arts, 100 historic houses and craft shops; Robert Hudson Tannahill Research Library contains 100,000 research books, pamphlets, leaflets, clippings and other ephemera, 50,000 letters, MSS. and documents; Ford Archives contain 14 million books, MSS., records, and 400,000 photographic negatives; Chair. of the Board WILLIAM CLAY FORD; Pres. and Sec. FRANK CADDY; publ. *The Herald* (quarterly).

Griffith Observatory and Planetarium: 2800 East Observatory Rd., Los Angeles, Calif. 90027; opened 1935; three main divisions: the Observatory, with Zeiss twin 12-inch and 9½-inch refracting telescopes and three solar telescopes; the Hall of Science, with over 100 exhibits; the Theatre of the Heavens, with its Zeiss planetarium and space travel projectors; Dir. Dr. E. C. KRUPP; publ. *The Griffith Observer*† (illustrated, monthly).

Guggenheim Museum: (*see* Solomon R. Guggenheim Museum).

Hall of State: Dallas, Tex. 75226; f. 1936; museum and archives of Southwestern United States history, operated by Dallas Historical Society (*see* Learned Soceities); library of 10,000 vols. and 1,500,000 archival items; Pres. JOE M. DEALEY.

Henry Francis du Pont Winterthur Museum: Winterthur, Del. 19735; f. 1930; collection of American furniture and domestic objects arranged in over 200 period settings from 17th century to 1840; library of 47,500 vols.; Dir. JAMES MORTON SMITH; publ. *Winterthur Portfolio* (quarterly).

Hirshhorn Museum and Sculpture Garden: Independence Ave. at 8th St., S.W., Washington, D.C. 20560; est. 1966, opened 1974; administered by the Smithsonian Institution; contemporary American and European art; 19th- and 20th-century sculpture; research library of 10,000 vols.; Dir. ABRAM LERNER, B.A.

Hispanic Society of America Museum, The: Broadway, between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; free museum concentrated on the culture of the Iberian Peninsula: paintings (14th to 20th centuries), sculpture (13th to 20th centuries), archaeology, decorative arts (ceramics, textiles, metalwork, furniture); reference library and files; Pres. A. HYATT MAYOR; Dir. Dr. THEODORE S. BEARDSLEY, Jr.; Curator Dr. P. E. MULLER.

Honolulu Academy of Arts: 900 South Beretania St., Honolulu, Hawaii 96814; f. 1927; museum and school; Western and Asian art collections; educational programmes for adults and young people; special exhibitions; 4,500 mems.; 24,000 vols.; Pres. SAMUEL A. COOKE; Vice-Pres. and Dir. JAMES W. FOSTER; Vice-Pres. M. L. RANDOLPH; Sec. Mrs. L. B. HALL; publ. *Calendar News*, monthly bulletin for members. Branch Museum:

Alice Cooke Spalding House: 2411 Makiki Heights, Honolulu, Hawaii 96822; extension of Asian arts department.

Huntington Library, Art Gallery and Botanical Gardens: San Marino, California 91108; f. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden. **Art Gallery** (formerly residence of the founder) contains chiefly 18th-century British portraits and landscapes; 18th-century decorative arts (English and French furniture, French tapestries, English miniatures, English silver, etc.). **Botanical Gardens,** open to public: Desert Garden, Camellia Gardens, Japanese Garden; Dir. JAMES THORPE; Curators: Art ROBERT WARK, Botanical Gardens MYRON KIMNACH; Dir. of Admin. and Public Services SUZANNE W. HULL. *See also* Libraries.

Illinois State Museum: Dickson Mounds, Museum Lewistown, Ill. 61542; f. 1965; anthropology museum; exhibits: New World prehistory, prehistoric Indian village and burial mound; archaeological field research and laboratories; Dir. R. BRUCE MCMILLAN; publ. *Dickson Mounds Museum Anthropological Studies*.

Jewish Museum: 1109 Fifth Ave., New York, N.Y. 10028; f. 1904; Jewish Ceremonial Art; changing contemporary exhibits of Jewish interest; special events, films, lectures, etc.; Dir. Mrs. JOY UNGERLEIDER-MAYERSON; publs. catalogues of exhibits, etc.

J. Paul Getty Museum: 17985 Pacific Coast Highway, Malibu, Calif. 90265; f. 1953; a fine collection of Greek and Roman antiquities, Renaissance and Baroque paintings and French decorative arts is housed in a re-creation of a Roman seaside villa, the Villa dei Papyri, which was destroyed by the eruption of Vesuvius in A.D. 79; library of *c.* 30,000 vols.; Dir. STEPHEN GARRETT; Librarian KATHERINE JONES; Curator of Antiquities JIRI FREL; Curator of Paintings BURTON FREDERICKSEN; Curator of Decorative Arts GILLIAN WILSON; publ. *Publications*†.

John G. Shedd Aquarium: 1200 South Lake Shore Drive, Chicago, Ill. 60605; opened 1930; John Graves Shedd, shortly before his death in 1926, presented $3,000,000 to the people of Chicago with which to build an aquarium; exhibits only living specimens of aquatic life; at the end of the collecting season there is in the Aquarium an average of 4,500 specimens, representing about 554 distinct species; new exhibit, the Coral Reef, depicts corals and 75 species of marine fish native to Caribbean reefs; library of 1,200 vols.; Dir. WILLIAM P. BRAKER; publ. *Aquaticus* (quarterly newsletter).

Kansas City Museum of Regional History: 3218 Gladstone, Kansas City, Mo. 64123; f. 1939; administered by Kansas City Museum Association for the City of Kansas City; American Indian artifacts, planetarium; Dir. Gregg F. Stock.

Lincoln Park Zoological Gardens: Chicago, Ill. 60614; f. 1874; approx. 2,500 specimens of mammals, birds, reptiles, and amphibians; farm; operated by the Chicago Park District; open every day in the year; Dir. Dr. Lester Fisher; Asst. Dir. Dennis A. Meritt, Jr.

Los Angeles County Museum of Natural History: 900 Exposition Blvd., Los Angeles, Calif. 90007; f. 1910; Western U.S.A. and American History, New World ethnology and archaeology, palaeontology, geology, mineralogy, botany, ichthyology, mammalogy, entomology, herpetology, invertebrate zoology, ornithology; 10,000 mems.; library of 90,000 vols.; Pres. Board of Governors Ed. N. Harrison; Chair. Museum Foundation Franklin Otis Booth; Dir. Dr. Giles W. Mead; publs. *Science Series*† (irregular), *Terra* (*Museum Alliance Quarterly*), *Contributions in Science*† (irregular), *Bulletins*† (Science), *Bulletins of History Division* (irregular).

Marineland of Florida (Marineland, Inc.): Marineland, St. Augustine, Fla.; f. 1938; includes two Oceanariums, 11 marine exhibits and a research laboratory for work on marine life; Chair. C. V. Whitney.

Mariners Museum, The: Newport News, Virginia; f. 1930 by Archer M. Huntington; devoted to "the culture of the sea and its tributaries, its conquest by man, and its influence on civilization"; several hundred ship models; collection of native boats and canoes; collections of ship ornaments, figureheads, ship carving, anchors, chain, bronze and iron cannon, small arms, cutlasses, boarding pikes, etc.; marine coins, medals and postage stamps; lighthouse and life-saving exhibit; relics from warships sunk during the siege of Yorktown in 1781; a print and painting collection numbering some 13,000 items, including ports of the world, steamships, sailing vessels, yachts, etc.; special exhibitions; the library contains some 60,000 books and pamphlets, 6,000 maps and charts, and 160,000 photographs; publs. are issued by the Museum; Dir. William D. Wilkinson; publ. *Mariners Museum Journal* (quarterly).

Maryland Historical Society Museum: 201 West Monument St., Baltimore, Maryland 21201; f. 1844; Francis Scott Key's original MS. of The Star-Spangled Banner is permanently exhibited here; Portrait Gallery and 11 period rooms; over 2,000 paintings and miniatures; 700 pieces of furniture; sculpture; drawings; silver; ceramics; jewellery; textiles; the Library contains more than 90,000 books, etc.; the Manuscript Room includes the Calvert Papers, the papers of Benjamin Henry Latrobe, over 1,300 letters and documents of the Lords Baltimore and their families, genealogical collections, and many hundreds of prints and drawings; Maritime Collection emphasizing crafts of Chesapeake Bay; 4,863 mems.; Pres. Leonard C. Crewe, Jr.; Dir. P. William Filby; Asst. Dir. and Curator Mrs. Romaine Somerville; publs. *Archives of Maryland*, 71 vols., 1883–; *Maryland Historical Magazine*, 65 vols., 1906–; *Maryland History Notes*, 23 vols., 1943–.

Metropolitan Museum of Art, The: Fifth Ave. and 82nd St., New York, N.Y. 10028; f. 1870; Departments: American Paintings and Sculpture, American Wing, Arms and Armour, Ancient Near Eastern Art, Costume Institute, Education (including Junior Museum), Egyptian Art, Drawings, European Paintings, European Sculpture and Decorative Arts, Far-Eastern Art, Greek and Roman Art, Islamic Art, Medieval Art, Primitive Art, Musical Instruments, Prints and Photographs, Twentieth Century Art; the Museum Library contains 250,000 books, 1,200 periodical titles; photograph and slide library; 35,000 mems.; Pres. William B. Macomber; Dir. Philippe de Montebello; publs. *The Bulletin*, *Calendar of Events*, *Annual Report*, *Special Exhibition Catalogues*, etc.

The Cloisters: a branch of the Metropolitan Museum of Art, is located in Fort Tryon Park, New York; f. 1926; devoted to European medieval art.

M. H. de Young Memorial Museum: Golden Gate Park, San Francisco, Calif. 94118; f. 1895; large collection of European and American art, paintings, sculpture; original period rooms; tapestries, furniture and other decorative arts illustrating Western cultures from ancient Egypt, Greece and Rome to the 20th century; traditional arts of Africa, Oceania, and the Americas; the Samuel H. Kress collection of European paintings, Roscoe and Margaret Oakes collection of European painting and decorative arts; the Dr. T. Edward and Tullah Hanley collection of European and American painting; 16,000 mems.; Dir. Ian McKibbin White.

(*See* also California Palace of the Legion of Honor.)

Minneapolis Society of Fine Arts, The: 2400 Third Ave. South, Minneapolis, Minn. 55404; f. 1883; 12,000 mems.; library of 20,000 vols.; sponsors The Minneapolis Institute of Arts and the Minneapolis College of Art and Design; the Institute: collection of 65,000 objects representing nearly every school and period of art, including European and American paintings, sculpture, decorative arts, period rooms, prints and drawings, photography, Oriental, African, Oceanic, Ancient and Native North and South American Arts; Minnich collection of botanical, zoological and fashion prints, paintings by Rembrandt, El Greco, Goya, Manet, Renoir, Matisse; Alfred F. Pillsbury collection of ancient Chinese jades and bronzes, etc.; Dir. Samuel Sachs II; publ. *Bulletin* (annual).

Montclair Art Museum: 3 South Mountain Ave., Montclair, N.J.; opened 1914; paintings, sculpture (largely American); Rand American Indian Art collection; Chinese Snuffbottle collection; American, European and Oriental prints; the Whitney Silver Collection; changing exhibitions; reference library of approx. 8,000 vols.; 13,000 colour slides; Dir. Miss Kathryn E. Gamble; publ. *Bulletin* (bi-monthly Sept.-June).

Morehead Planetarium: University of North Carolina, at Chapel Hill; f. 1947, opened 1949; Carl Zeiss Planetarium Model VI Instrument, Observatory with 24-inch reflector telescope, Memorial Rotunda, Copernican Orrery, Scientific and Art Exhibitions, etc.; daily public programmes; training laboratory for U.S. Astronauts; Dir. A. F. Jenzano.

Museum of Fine Arts, The: 1001 Bissonnet St., Houston, Tex. 77005; incorporated in 1924; 10,000 vols., 7,000 pamphlets; art of ancient Egypt, Greece and Rome; European paintings and bronzes 15th-20th centuries; Oriental, South-west Indian and pre-Columbian art, native arts from Africa, Australia and the South Pacific Islands; contemporary European and American painting and sculpture; incorporates The Bayou Bend Collection of American furniture and paintings and English and American decorative arts, and Museum School of Art; Pres. Alexander McLanahan; Dir. William C. Agee; publ. *Bulletin*† (quarterly).

Museum of Modern Art, The: 11 West 53rd St., New York, N.Y. 10019; f. 1929; collection and changing exhibitions, international in scope, of paintings, drawings, prints, sculptures, industrial and graphic design, photographs and architecture dating from 1880s; large collection of American, British, French, German and Russian films, about 800 of which are available to educational organizations; daily film showings; modern art library of 30,000 vols.; organizes exhibitions in all the visual arts for circulation all over the world; approx. 30,000 mems.; Dir. RICHARD E. OLDENBURG; publs. monographs, catalogues, etc.

Museum of New Mexico: P.O.B. 2087, Santa Fé, N.M. 87501; f. 1909; a State agency, under Board of Regents appointed by Governor, divisions in anthropology, history, fine arts, international folk art, state monuments located in separate buildings; custody of combined libraries approx. 20,000 vols.; Dir. GEORGE H. EWING; publs. *El Palacio* (quarterly), popular and scientific books, monographs, reports.

Museum of Science and Hayden Planetarium: Science Park, Boston, Mass. 02114; f. 1830; exhibits on Astronomy, Natural History, Physical Science, industry, man and medicine; library of 32,000 vols. and pamphlets; Dir. BRADFORD WASHBURN; publs. *Reports*† (annual), *Newsletter*† (10 a year).

Museum of Science and Industry: 57th St. and Lake Shore Drive, Chicago, Ill. 60637; f. by Julius Rosenwald, chartered 1926, opened 1933; agriculture, metals, power, physics, chemistry, electronics, plastics, transportation, mathematics, petroleum, food, space engineering, communications and medical sciences; exhibits include full-size coal mine, German submarine, walk-through model of human heart, Colleen Moore's Fairy Castle, "Yesterday's Main Street", "The Circus", full-size farm, actual Apollo 8 spacecraft, 747 jetliner cabin, and exhibits on space exploration and energy research; Pres. and Dir. Dr. VICTOR J. DANILOV; publ. *Progress*† (bi-monthly).

Museum of the American Indian (*Heye Foundation*): Broadway at 155th St., New York, N.Y. 10032; f. 1916; over 4,000,000 artefacts; the Museum is dedicated to the preservation, study, exhibition and collection of the material culture of the aborigines of the Western Hemisphere; Indian Information Center of current resources on American Indians; library contains 40,000 vols., 70,000 photographs and negatives; Dir. ROLAND W. FORCE, PH.D.; publs. *Contributions* (25 vols.), *Notes and Monographs* (12 vols.), *Miscellaneous* series, *Indian Notes* (quarterly).

Museum of the City of New York: Fifth Avenue at 103rd St., New York, 10029; f. 1923; history museum; exhibits include Cityrama, Dutch Gallery, Marine Gallery, New York Doll's Houses; library of 10,000 vols.; Dir. J. V. NOBLE; publs. *Report* (annual), *Bulletin* (quarterly).

National Air and Space Museum: Washington, D.C. 20560; administered by the Smithsonian Institution (*see* under Learned Societies); f. 1946 to record the national development of aeronautics and astronautics; to collect, preserve, and display aeronautical and astronautical equipment of historical interest and significance; and to provide educational material for the historical study of aeronautics and astronautics. The collection contains original full-size aircraft, spacecraft, recovered space exploration vehicles, engines, instruments, flight clothing, accessories of technical, historical, and biographical interest, scale models, and extensive reference data; Dir. MICHAEL COLLINS.

National Collection of Fine Arts: 8th and G Sts., N.W., Washington, D.C. 20560; administered by the Smithsonian Institution (*see* under Learned Societies); f. 1846; American painting, sculpture, prints and drawings, particularly of the 19th and 20th centuries; specialized library of 36,000 vols., collection of 40,000 slides and 30,000 photographs; research and educational programmes; Dir. J. C. TAYLOR, M.A., M.F.A., PH.D.

National Gallery of Art: 6th St. and Constitution Ave., N.W., Washington, D.C. 20565; a separately administered Bureau of the Smithsonian Institution (*see* under Learned Societies); estab. 1937, opened 1941; paintings, sculpture, prints, and drawings, and examples of decorative arts; library of 67,500 books and periodicals; Pres. PAUL MELLON; Dir. J. CARTER BROWN; Administrator JOSEPH G. ENGLISH; publs. *Studies in the History of Art, Kress Foundation Studies in the History of European Art, The A. W. Mellon Lectures in the Fine Arts, The Ailsa Mellon Bruce Studies in American Art.*

National Museum of History and Technology: 14th St., Constitution Ave., Washington, D.C. 20560; administered by the Smithsonian Institution (*see* under Learned Societies); collections depicting American cultural, civil and military history, and the history of science and technology; Dir. (vacant).

National Museum of Natural History: Washington, D.C. 20560; a branch of the Smithsonian Institution (*see* Learned Societies); depository of the national collections, containing over 57 million catalogued items. It is especially rich in the natural science and anthropology of the Americas, including zoology, entomology, botany, geology, palaeontology, archaeology, ethnology, and physical anthropology; also houses exhibits relating to the natural sciences and anthropology; research staff of approx. 110 scientists; Dir. P. M. KIER, M.S., PH.D., D.SC.; Departmental Chairs.: W. W. FITZHUGH, M.A., PH.D. (Anthropology); DIETER C. WASSHAUSEN, M.SC., PH.D. (Botany), DONALD R. DAVIS, M.SC., PH.D. (Entomology), W. DUANE HOPE, M.SC., PH.D. (Invertebrate Zoology), D. E. APPLEMAN, M.A., PH.D. (Mineral Sciences), MARTIN A. BUZAS, M.SC., PH.D. (Paleobiology), GEORGE ROBERT ZUG, M.S., PH.D. (Vertebrate Zoology); publs. *Smithsonian Contributions* (separate series for Anthropology, Botany, Earth Sciences, Paleobiology, Zoology and Marine Sciences).

National Portrait Gallery: 8th at F St., N.W., Washington, D.C. 20560; administered by the Smithsonian Institution (*see* under Learned Societies); f. 1962; portraits of persons who have made significant contributions to the history, development or culture of the people of the United States; library of 35,000 vols.; Dir. M. S. SADIK, M.A.

Nelson-Atkins Gallery of Art: Rockhill at 45th, 4525 Oak St., Kansas City, Mo. 64111; estab. 1926 under the will of Mr. Nelson for the purchase of works of fine arts such as paintings, engravings, sculptures, tapestries and decorative arts; the collection, begun in 1930, was opened to the public in 1933; Trustees: M. D. BLACKWELL, MILTON MCGREEVY, HERMAN R. SUTHERLAND; Dir. RALPH T. COE; Senior Curator ROSS TAGGART; Curator of Oriental Art MARC WILSON; Superintendent SHERWOOD SONGER; Librarian KATHERINE HASKINS; publs. *Nelson Gallery-Atkins Museum Bulletin, Gallery Events.*

New Orleans Museum of Art: P.O.B. 19123, New Orleans, La. 70179; f. 1911; Longue Vue Center for the Decorative Arts; paintings, sculpture, photography, glass, prints and drawings; Oriental jades, ceramics, screens and bronzes; ancient glass and Graeco-Roman ceramics; Italian Renaissance paintings; late 19th-century French Barbizon and salon paintings; 18th-, 19th- and 20th-century American, and 19th- and 20th-century Louisiana art; Latin American Spanish Colonial painting, sculpture and decorative arts; Pre-Columbian sculpture collection from Central and South America; African sculpture; European and American glass; 18th-century portrait miniatures; Victor K. Kiam collection of 20th-century European and American painting and sculpture; Victor K. Kiam collection of African, Oceanic, Northwest Coast American Indian sculpture; Japanese screen and scroll paintings from the Edo Period; library of 7,200 vols.; Dir. E. JOHN BULLARD; Chief Curator WILLIAM A. FAGALY; publs. *Arts Quarterly*, occasional papers and catalogues.

The New York Cultural Center in association with Fairleigh Dickinson University: 2 Columbus Circle, New York, N.Y. 10019; f. 1964 by Huntington Hartford; Dir. Mario Amaya; Curator Susan Ginsburg; publs. *Realism Now, 75 Years of the Comics, Women Chose Women, 3D into 2D, Drawing for Sculpture, French Master Drawings of the 17th and 18th Centuries in North American Collections.*

Oriental Institute of the University of Chicago: 1155 East 58th St., Chicago, Illinois 60637; f. 1919; 60 mems.; research in the early and advanced civilizations of the Near East; Collection started 1896; over 70,000 objects, derived mainly from the Oriental Institute's field work, representing the art, religion and daily life of ancient Egypt, Nubia, Assyria, Babylonia, Persia, Palestine, Syria, Anatolia, Libya and Cyprus; Dir. Oriental Institute John A. Brinkman; Curator John Carswell.

Peabody Museum of Archaeology and Ethnology: Harvard University, Cambridge, Mass. 02138; f. 1866 by George Peabody. The Museum works in the closest co-operation with the Department of Anthropology of Harvard, and much of the research is jointly determined. Since its founding, more than 800 expeditions have been sent to every continent, resulting, with the addition of important gifts and purchases, in the building up of one of the most comprehensive collections of ethnology, archaeology, and physical anthropology in the United States. The first scientific studies of Maya archaeology were made under its direction, and its collections from this area, and from Middle America generally, are extremely important. There are also collections of Old World archaeology. The American School of Prehistoric Research is a department of the Museum and conducts excavations in the Old World. In ethnology, the material from the Pacific Islands is important, and the Museum is also rich in material representing the native tribes of Africa, of South America, and of the Plains and North-west Coast Indians of North America, where some of the objects date from the Lewis and Clark expedition of 1806. The archaeology of the south-western United States, including the Pueblo Indian area, is also strongly represented. The Tozzer Library with its 110,000 books and pamphlets, covers the entire field of anthropology. Dir. C. C. Lamberg-Karlovsky; publs. *Papers, Memoirs, Annual Reports, Monographs,* American School of Prehistoric Research *Bulletins* and special publications of the Peabody Museum Press.

Peabody Museum of Natural History: 170 Whitney Ave., New Haven, Connecticut 06520; affiliated with Yale University; f. by a gift of George Peabody, 1866; extensive collections in the fields of anthropology, meteorites, botany, palaeobotany, invertebrate palaeontology, mineralogy, oceanography, vertebrate palaeontology, invertebrate zoology and vertebrate zoology, scientific instruments, each with its own Curator; also Yale Biological Field Station; libraries of anthropology and ornithology of 20,000 vols.; Dir. K. S. Thomson, Ph.D.; publs. *Bulletin, Postilla, Discovery.*

Peabody Museum of Salem: 161 Essex St., Salem, Mass. 01970; f. 1799; maritime history, ethnology and local natural history; library of 100,000 vols.; Dir. Ernest S. Dodge; publ. *American Neptune* (quarterly).

Pennsylvania Academy of the Fine Arts, The: Philadelphia, Pa. 19102; f. 1805; permanent collection stresses American painting, sculpture, graphics, with fine representations of each period from the early 18th century to contemporary work; special exhibitions yearly; 3,200 mems.; Pres. John Gribbel II; Sec. and Dir. Richard J. Boyle.

Philadelphia Museum of Art: Parkway at 26th St., Philadelphia, Pa. 19101; incorp. 1876; 80,000 vols.; paintings, graphics, sculpture and decorative arts from medieval to contemporary times representing European, American, and Far Eastern Art; Pres. William P. Wood; Dir. Dr. Evan H. Turner; publs. *Bulletin* (quarterly), *Newsletter* (monthly).

Rochester Museum and Science Center: 657 East Ave. at Goodman St., Rochester, N.Y. 14603; f. 1912; natural science, anthropology, history, and technology; library of 20,000 vols.; Strasenburgh Planetarium: computerized, Zeiss projector, exhibits, daily astronomy and space-science shows in Star Theater; 800-acre Cumming Nature Center in the nearby Bristol Hills; Museum Dir. C. F. Hayes III; Planetarium Dir. D. S. Hall; Exec. Dir. Richard C. Schultz; publ. *RMSC News*†.

San Diego Society of Natural History Museum: P.O.B. 1390, San Diego, Calif. 92112; founded 1874 to further the knowledge of natural history and the conservation of natural resources; 2,900 mems.; library of 90,000 vols.; Dir. of Museum John B. Davis, Jr.; publs. *Transactions, Memoirs,* Occasional Papers (irregular).

San Francisco Museum of Art: Van Ness at McAllister St., San Francisco, Calif. 94102; f. 1921 by the San Francisco Art Association; modern art; contains ten galleries; permanent collection includes: Clyfford Still Collection; Albert Bender Collection of 20th-century American and European paintings, Harriet Levy and Sarah and Michael Stein Memorial Collections of modern French paintings emphasizing early Matisse; William Gerstle Collection; other important paintings and sculpture by North and South American and European contemporaries; large photography and graphics collection; reference library with emphasis on periodicals and contemporary art; *c.* 30 special exhibitions annually; Pres. Eugene E. Trefethen, Jr.; Dir. Henry T. Hopkins; Curators Suzanne Foley, John Humphrey; publs. monthly calendar of events, catalogue of special exhibitions.

San Jacinto Museum of History Association: San Jacinto Monument, Deer Park, Texas 77536; f. 1939; exhibits outline the history of Texas from the time of Cortes to the Civil War; library of 15,000 vols.; Pres. Paul G. Bell, Jr.; Dir. Mrs. David W. Knepper.

Science Museum of Minnesota: 505 Wabasha Ave., St. Paul, Minn. 55102; f. 1907; research and exhibits in anthropology, biology and palaeontology, omnitheater (planetarium), two nature centres, energy conservation experiment house, and branch planetarium and exhibits in Minneapolis; library of 8,000 vols.; Pres. Dr. Wendell A. Mordy; Dir. Philip S. Taylor; publs. *Scientific Publications—New Series*† (irregular), *Monographs*† (irregular), *Encounters* (monthly).

Smith College Museum of Art: Northampton, Mass.; f. 1879; collections include examples from most periods and cultures with special emphasis on European and American paintings, sculpture, drawings and prints of the 17th-20th centuries; Dir. Charles Chetham; Curator of Painting and Associate Dir. Betsy B. Jones.

Snow Entomological Museum: University of Kansas, Lawrence, Kan.; f. 1870; primarily North American insects, with worldwide representation of bees, aquatic Hemiptera, Mecoptera; Dir. C. D. Michener; Curator G. W. Byers.

Solomon R. Guggenheim Museum, The: 1071 Fifth Ave., New York, N.Y. 10028; f. 1937; the building designed by Frank Lloyd Wright; the permanent collection of approx. 4,000 works since the Post-Impressionist era, augmented by the Justin K. Thannhauser Collection of Impressionist and Post-Impressionist masterpieces, includes large collections of Brancusi sculptures, Kandinsky paintings and graphics, and works by Klee, also important paintings by Chagall, Delaunay, Dubuffet, Léger, Marc, Mondrian and Picasso; a continuous programme of loan exhibitions is presented, drawn from its own collection and from leading public and private collections throughout the world; research library of *c.* 20,000 vols.; Dir. THOMAS M. MESSER; Deputy Dir. HENRY BERG; Curator Dr. LOUISE A. SVENDSEN; publs. exhibition catalogues†.

St. Louis Art Museum, The: Forest Park, St. Louis, Mo. 63110; f. 1907; municipally owned and supported collection of about 20,000 art objects; important collections of American, European and Asian painting, sculpture and decorative arts, pre-Columbian and Oceanic art; 6,000 mems.; library of 22,000 vols.; publs. *Bulletin* (6 a year), *Annual Report*; Pres. Board of Commissioners GEORGE S. ROSBOROUGH, Jr.; Dir. JAMES N. WOOD.

Texas Memorial Museum: Campus of the University of Texas, Austin, Tex. 78705; f. 1936; civic and natural history of Texas, geological, historical, botanical, zoological, and anthropological sections; Dir. Dr. WILLIAM G. REEDER; publs. *Bulletin*†, *Pearce-Sellards Series*†, *Miscellaneous Papers*, etc. (all irregular).

University Art Museum: University of California, 2626 Bancroft Way, Berkeley, Calif. 94720; f. 1970; 10 exhibition galleries, sculpture garden, the Pacific Film Archive; permanent collection of Asian and western art; Hans Hoffman collection; serves the university community with exhibitions, study collections, etc.; receives travelling exhibitions from the major American museums; Dir. JAMES ELLIOTT.

University of Alabama Museum of Natural History: P.O.B. 5897, Alabama 35486; Dir. Dr. HERBERT BOSCHUNG.

University Museum: University of Pennsylvania, 33rd and Spruce Sts., Philadelphia, Pa. 19174; f. 1887; archaeological collection from Old and New Worlds; enthology from the New World, Oceania and Africa; the museum also acts as a teaching organization and leads expeditions overseas; Dir. MARTIN BIDDLE; publ. *Expedition*† (quarterly).

University of Kansas Museum of Art: Lawrence, Kan.; f. 1927; 400 mems.; European, American and Oriental paintings and sculpture; ceramics, glass, prints and drawings; Dir. CHARLES ELDREDGE; publs. *Register* (bi-annually) and exhibition catalogues.

Virginia Museum, The: Boulevard and Grove, Richmond, Va. 23221; f. 1934; four "Artmobiles"; medieval, Renaissance, modern and Oriental paintings, sculpture and decorative arts, Imperial Russian jewellery; early Chinese bronzes; early Greek painted vases; 12,500 mems.; library of 25,000 vols.; Dir. JAMES MONROE BROWN III; publs. *Virginia Museum Members Bulletin*, *Arts in Virginia*† (3 vols. annually), *Catalogue of European Art in the Virginia Museum of Fine Arts*, *Architecture in Virginia, An Official Guide to Four Centuries of Building in the Old Dominion*†, exhibition catalogues.

Wadsworth Atheneum: Hartford, Conn. 06103; f. 1842; art through the ages; 3,700 mems.; Auerbach library of 15,000 vols.; Pres. THOMAS R. COX, Jr.; publs. *Atheneum Calendar* (monthly), exhibition catalogues†.

Walker Art Center: Vineland Place, Minneapolis, Minn. 55403; f. 1927; 20th-century paintings, drawings, prints, sculpture; Dir. MARTIN FRIEDMAN; publs. *Design Quarterly*, *Monthly Calendar of Events*, exhibition catalogues.

Walters Art Gallery: 600 North Charles St., Baltimore, Maryland 21201; 3,000 mems.; library of 75,000 vols.; f. 1931; over 25,000 objects; the exhibits are arranged in historical and chronological sequence and comprise: Egyptian art, Ancient East, Minoan and Mycenaean art, Greek, Etruscan and Roman art, Near-Eastern art, Coptic art, Byzantine art, pre-Romanesque and Romanesque, early Gothic art, later Gothic art, Renaissance sculpture and decorative arts, manuscript illumination, incunabula, Italian painting, Renaissance and Northern Renaissance art, 17th-, 18th- and 19th-century art, Far-Eastern art, Ancient American art, 19th-century American art; Dir. RICHARD H. RANDALL, Jr.; publs. *Journal of the Walters Art Gallery* (annual), *Annual Report*, *Bulletin* (monthly, Oct.–May), *Catalogue of the Egyptian Sculpture*, *Catalogue of the Incunabula*, *Catalogue of Italian Majolica*, *Catalogue of American Works of Art*, *Catalogue of the Renaissance Painted Enamels*, *Catalogue of the Japanese Lacquers*, *Catalogue of the Armenian manuscripts*, *Catalogue of the Italian paintings*.

Wheelwright Museum, The (*formerly Museum of Navaho Ceremonial Art*): P.O.B. 5153, Santa Fé, New Mexico 87501; f. by Mary C. Wheelwright; incorp. 1937; houses collections of pottery, basketry, textiles, jewellery and other items of Southern Athabascan cultures; Dir. STEVEN H. TREMPER.

Whitney Museum of American Art: 945 Madison Ave., New York, N.Y. 10021; f. 1930; established for the encouragement and advancement of contemporary American art; special exhibitions include Whitney biennial and historical surveys; Dir. TOM ARMSTRONG; Administrator PALMER B. WALD.

William Hayes Fogg Art Museum: Harvard University, Cambridge, Mass. 02138; f. 1895; Fine Arts collection covering prehistoric to modern Eastern and Western art; houses Harvard's Fine Arts Department and serves as a laboratory for training museum officials, art historians and conservators; houses Harvard's Fine Arts Library of 150,237 vols., 665,164 photographs, 194,772 slides; Dir. SEYMOUR SLIVE; publs. *Fogg Art Museum Annual Report*, exhibition catalogues, quarterly newsletter.

Worcester Art Museum: 55 Salisbury St., Worcester, Mass. 01608; f. 1896; membership 6,275; illustrates the evolution of art from early Egyptian civilization to modern times; especially notable are ancient Egyptian, classical, Oriental and medieval sculpture; mosaics from Antioch; a French Romanesque Chapter House; a Gothic tapestry of the Last Judgment; Italian and other European schools of painting of the 13th to 20th centuries; English, French, and American collections from the 18th century to the present day; pre-Columbian art; Japanese prints; library of 25,000 vols.; Pres. MILTON P. HIGGINS; Dir. RICHARD STUART TEITZ; Curator DAGMAR E. REUTLINGER; Administrator LAURENCE MALOY; publs. *Calendar* (9 a year), *Bulletin* (3 times each year), *Worcester Art Museum Annual Report*, Catalogues.

UNIVERSITIES AND COLLEGES

Due to space limitations we give a selection only, which is based on the list of accredited institutions as published by the American Council on Education.

Arranged alphabetically by State.

ALABAMA

ALABAMA STATE UNIVERSITY

915 SOUTH JACKSON ST.,
P.O.B. 271, MONTGOMERY,
ALABAMA 36101

Founded 1874 as college, attained university status 1969.

President: Dr. Levi Watkins.
Vice-President for Academic Affairs: Dr. Aaron VanWright.
Vice-President for Administration: Freddie Gallot.
Director, Development and Alumni Services: Charles Varner.
Director, Public Relations and Information Services: Johnny Knight, Jr.
Vice-President for Student Affairs: Dr. Willie Kyles.
Controller: Leotis Peterman.

The library contains 149,962 vols.
Number of students: 4,754.

Publications: *Alabama State University Bulletin* (annually), *Alumni Newsletter, Impact.*

Deans:

College of the Arts: Dr. Otis D. Simmons.
College of Education: Dr. Gordon Bliss.
College of Business Administration: Dr. Percy Vaughn.
College of Sciences and Humanities: Dr. Eunice Moore.
University College: (vacant).
Graduate Studies: Dr. Leroy Bell, Jr.
Health, Physical Education, Safety and Recreation: Dr. Tommy L. Frederick.

ATHENS STATE COLLEGE

ATHENS, ALABAMA 35611
Telephone: 232-1802.

Founded 1822.

President: Dr. Sidney E. Sandridge.
Director of Admissions: Larry McCoy.
Librarian: J. D. Ballew.

The library contains 70,000 vols.

Number of teachers: 59.
Number of students: 1,250.

AUBURN UNIVERSITY

AUBURN, ALABAMA 36830
Telephone: (205) 826-4000.

Land-grant State University.

Founded in 1856 as The East Alabama Male College, became Agricultural and Mechanical College 1872, Polytechnic Institute 1899, attained university status 1960.

President: Harry M. Philpott.
Vice-Presidents: Ben Lanham, Jr. (*Administrative Affairs*), Taylor Littleton (*Academic Affairs*), Chester Carroll (*Research*), G. A. Bramlett (*Extension*), H. H. Funderbunk, Jr. (*Montgomery Branch*).
Business Manager and Treasurer: Rhett E. Riley.
Registrar: Thomas A. Stallworth.
Director of Libraries: W. C. Highfill.

The library contains 1,250,000 vols., 1,000,000 microforms.

Number of teachers: 1,025.
Number of students: 18,400.

Publications: *Bulletin* (bi-monthly), *Catalogue* (annual), *This is Auburn, Plainsman, Glomerata, Faculty Newsletter* (monthly), *President's Report, Southern Humanities Review, Auburn Circle* (quarterly).

Deans:

Director of Agricultural Experiment Stations: Dr. R. D. Rouse.
Director of Engineering Experiment Station: Dr. Vincent S. Haneman, Jr.
Director of Agricultural Extension: J. Michael Sprott.
School of Agriculture: Dr. R. D. Rouse.
School of Architecture and Fine Arts: K. McPheeters, M.F.A. in ARCH.
School of Business: George R. Horton, Jr.
School of Education: Jack E. Blackburn, M.A., ED.D.
School of Engineering: Vincent S. Haneman, Jr.
Graduate School: Paul F. Parks, M.S., PH.D.
School of Home Economics: Ruth Galbraith.
School of Pharmacy: Benjamin F. Cooper.
School of Arts and Sciences: Edward H. Hobbs, PH.D.
School of Veterinary Medicine: John Thomas Vaughan, D.V.M., M.S.

BIRMINGHAM-SOUTHERN COLLEGE

800 8th AVE., BIRMINGHAM,
ALABAMA 35204

Southern University founded in Greensboro 1856, Birmingham College opened 1898; consolidated as Birmingham-Southern College 1918.

President: Neal R. Berte.
Vice-President for Academic Affairs: Edmund Moomaw.
Vice-President for Admissions Services: Robert Dortch.
Librarian: Barbara G. Scott.

The library contains 116,666 vols.
Number of teachers: 75.
Number of students: 1,300.

HUNTINGDON COLLEGE

1500 E. FAIRVIEW AVENUE,
MONTGOMERY, ALABAMA 36106
Telephone: (205) 265-0511.

Founded 1854.

President: Dr. Allen K. Jackson.
Registrar: Jean Rodgers.
Dean: Dr. Willard D. Top.
Librarian: Dr. R. Glenn Massengale.

The library contains 86,600 vols.

Number of teachers: 50.
Number of students: 700.

JACKSONVILLE STATE UNIVERSITY

JACKSONVILLE, ALABAMA 36265
Telephone: (205) 435-9820.

Founded 1883.

President: Dr. Ernest Stone.
Vice-President for Academic Affairs: Dr. Theron E. Montgomery.
Vice-President for Business Affairs: Charles C. Rowe.
Dean of Admissions: Dr. H. B. Woodward, III.
Dean of Students: Dr. Don Schmitz.
Librarian: Dr. A. Millican.

The library contains 227,000 vols.

Number of teachers: 305.
Number of students: 7,222.

LIVINGSTON UNIVERSITY

LIVINGSTON, ALABAMA 35470
Telephone: 652-9661.

Founded 1835.

President: Asa N. Green.
Registrar: Clarence Egbert.

The library contains 103,000 vols.

Number of teachers: *c.* 75.
Number of students: 1,450.

OAKWOOD COLLEGE

HUNTSVILLE, ALABAMA 35806
Telephone: 837-1630.

Founded 1896.

President: C. B. Rock.
Dean of the College: M. A. Warren.
Registrar: Lillian Green.

Librarian: Miss Jannith Lewis.

The library contains 58,000 vols.
Number of teachers: 58.
Number of students: 1,120.

SAMFORD UNIVERSITY

800 LAKESHORE DRIVE,
BIRMINGHAM, ALABAMA 35209

Founded 1841.

President: Leslie S. Wright, A.B., M.A., LL.D., PED.D.
Chancellor: Harwell G. Davis, LL.D., L.H.D.
Vice-President for Academic Affairs: Ruric E. Wheeler, M.S., PH.D.
Registrar: Travis Jordan Tindal, M.S., ED.D.
Librarian: F. W. Hembold, B.A., M.A.

Number of teachers: 238, including 50 professors.
Number of students: 3,750.

Publication: *Bulletin.*

Deans:

Cumberland School of Law: D. E. Corley, J.D.
School of Business: Wm. D. Geer, M.A., D.B.A.
School of Education: A. L. Garner, M.A., ED.D.
School of Music: C. H. Rhea, M.MUS.ED., ED.D.
College of Arts and Sciences: Lee N. Allen, M.S., PH.D.
School of Pharmacy: J. Wintter, PH.D.
School of Graduate Studies: Lee N. Allen.
Ida V. Moffett School of Nursing: Martha Hearn, M.S., ED.D.

SOUTHERN BENEDICTINE COLLEGE

SAINT BERNARD,
ALABAMA 35138

Telephone: (205) 734-4110.

Founded 1892; formerly Saint Bernard College and Cullman College.

President: Robert E. Kaffer, PH.D.
Dean of Academic Affairs: Sr. Roberta Schmidt, C.S.J., PH.D.
Vice-President for Development: Robert V. Docherty.
Dean for Student Affairs: Sr. Eleanor Harrison, O.S.B.
Director of Admissions: George Spagnola.
Business Manager: Alice Evans.
Registrar: Br. Charles Manning, O.S.B.
Librarian: Rev. Roger R. S. Lott, O.S.B.

The library contains 80,000 vols.
Number of teachers: 41.
Number of students: 495.

Publication: *Spectrum*†.

SPRING HILL COLLEGE

MOBILE, ALABAMA 36608

Telephone: (205) 460-2011.

Founded 1830.

President: Rev. Paul S. Tipton, S.J.
Academic Dean: Dr. J. P. Macnamara.
Dean of Students: John M. Burton (acting).
Executive Assistant to President: Jeremiah M. Denton, Jr., R.A.D.M., U.S.N. (Retd.).
Vice-President for Development and Planning: Peter L. Matthews, S.J.
Vice-President for Finance: John R. Oester.
Librarian: R. Zietz.

The library contains 115,000 vols.
Number of teachers: 80.
Number of students: 900.

TROY STATE UNIVERSITY SYSTEM

TROY, ALABAMA 36081

Telephone: (205) 566-3000.

Founded 1887.

President: Ralph W. Adams.
Vice-Presidents: James D. C. Robinson, Edward F. Barnett, James E. Bailey, Jr., Robert M. Paul, Albert R. Whittle, Donald J. Gibson.
Assistant to the President: Freddie W. Wood.
Registrar: Gary L. Branch.
Librarian: Kenneth Croslin.

The library contains 286,076 vols.
Number of teachers: 342.
Number of students: 11,294.

TUSKEGEE INSTITUTE

ALABAMA 36088

Telephone: 727-8011.

Founded 1891.

President: Dr. L. H. Foster.
Provost: Dr. Andrew P. Torrence.
Administrative Services: Dr. William R. Harvey.
Student Affairs: Dr. Herman Franklin.
Business Affairs: H. K. Logan.
Development Affairs: Dr. Velma L. Blackwell.
Health Affairs: Dr. Cornelius L. Hopper.
Registrar: L. G. Burford.
Librarian: Mrs. Annie G. King.

The library contains 320,000 vols.
Number of teachers: 320.
Number of students: 3,316.

Deans:

Arts and Sciences: Dr. H. P. Carter.
Applied Sciences: Dr. B. D. Mayberry.
Education: Dr. G. W. Taylor.
Engineering: Dr. Z. W. Dybczak.
Nursing: Dr. Lauranne Sams.
Veterinary Medicine: Dr. W. C. Bowie.

UNIVERSITY OF ALABAMA

UNIVERSITY, ALABAMA 35486

Telephone: (205) 348-6010.

Founded 1831.

President: David Mathews, M.A., PH.D.
Academic Vice-President: Howard B. Gundy, M.S.W., D.P.A.
Vice-President for Planning and Operations: Joseph T. Sutton, M.A., PH.D.
Vice-President for Financial Affairs and Treasurer: David W. Phipps, C.P.A., M.B.A.
Vice-President for Student Affairs: Albert S. Miles, PH.D.

Library: *see* Libraries.
Number of teachers: 816.
Number of students: 16,567.

Publications: *Alabama Business*†, *Alabama Law Review*†, *Publication of American Dialect Society*†, *Revista de Estudios Hispanicos*†, *South Eastern Latin Americanist*†, *Alabama Review*†, *Alumni News*†.

Deans:

College of Arts and Sciences: D. E. Jones, M.S., PH.D.
College of Commerce and Business Administration: J. S. Fielden, M.A., PH.D.
College of Community Health Sciences: W. R. Willard, M.D., D.P.H.
College of Education: P. G. Orr, M.ED., PH.D.
College of Engineering: W. E. Lear, M.S.E.E., PH.D.
Graduate School of Library Service: J. D. Ramer, D.L.S.
Graduate School: William H. Macmillan, PH.D.
School of Home Economics: Miss M. A. Crenshaw, M.S., PH.D.
School of Law: T. W. Christopher, J.D., LL.M., S.J.D.
School of Social Work: P. F. Delliquadri, M.S.W.
New College: Bernard J. Sloan, PH.D.
School of Communication: William E. Melson, PH.D.
Capstone College of Nursing: Ms. Laurene Gilmore, ED.D.

UNIVERSITY OF ALABAMA IN BIRMINGHAM

BIRMINGHAM, ALABAMA 35294

Founded 1966.

President: S. Richardson Hill, Jr., M.D.
Vice-President for Health Affairs: Charles A. McCallum, D.M.D., M.D.
Vice-President University College: George W. Campbell, ED.D.

Vice-President for Administration: J. DUDLEY PEWITT, D.B.A.

Vice-President for Institutional Advancement and Legal Affairs: R. LEE WALTHALL, LL.M.

Vice-President for Finance: JERRY D. YOUNG, D.B.A.

Vice-President for Research and Graduate Studies: ROBERT P. GLAZE, PH.D.

Vice-President for Student Affairs: JOHN D. JONES, ED.D.

Number of teachers: 1,346 (1,198 full-time).

Number of students: 13,000.

Publications: *Alabama Journal of Medical Sciences*† (quarterly), *Beacon*† (monthly), *Medical Center*† (every 2 months), *UAB Report*† (weekly), catalogues†, bulletins†.

DEANS:

Graduate School: SAMUEL B. BARKER, PH.D.

School of Medicine: JAMES A. PITTMAN, Jr., M.D.

School of Dentistry: LEONARD H. ROBINSON, D.M.D., M.D.

School of Optometry: HENRY B. PETERS, O.D.

School of Nursing: MARIE L. O'KGREN, ED.D.

School of Public and Allied Health: KEITH D. BLAYNEY, PH.D.

School of Business: M. GENE NEWPORT, PH.D.

School of Education: FAIN A. GUTHRIE, ED.D.

School of Engineering: JOSEPH H. APPLETON, PH.D.

School of Humanities: THOMAS K. HEARN, Jr., PH.D.

School of Natural Sciences and Mathematics: ROGER W. HANSON, PH.D.

School of Social and Behavioral Sciences: GEORGE E. PASSEY, PH.D.

UNIVERSITY OF ALABAMA IN HUNTSVILLE

P.O.B. 1247,
HUNTSVILLE, ALABAMA 35807

Founded 1950.

President: B. B. GRAVES, PH.D.

Vice-President (Academic Affairs) and Dean of the Faculty: KATHRYN CROSSLAND, ED.D.

Number of teachers: 200.

Number of students: 4,035.

Publications: Bulletins.

DEANS:

School of Science and Engineering: J. HOOMANI.

School of Humanities and Behavioral Sciences: J. ROGERS.

School of Primary Medical Care: SILAS GRANT (acting).

School of Nursing: Dr. JANET PITTS.

School of Graduate Studies and Research: N. F. AUDEH.

UNIVERSITY OF MONTEVALLO

MONTEVALLO, ALABAMA 35115

Telephone: 665-2521.

Founded 1896.

President: Dr. JAMES F. VICKREY.

Academic Vice-President: Dr. RUSSELL WARREN.

Dean of Students: Dr. JOSEPH W. HAMER.

Director, Admissions and Records: LARRY A. PEEVY.

Librarian: R. B. SOMERS.

The library contains 140,000 vols., 1,200 magazines, 30 newspapers.

Number of teachers: *c.* 165.

Number of students: 3,004.

UNIVERSITY OF NORTH ALABAMA

FLORENCE, ALABAMA 35630

Telephone: 766-4100.

Founded 1872 as a State institution.

President: R. M. GUILLOT.

Director of Admissions: J. H. ALLEN.

Librarian: Miss RUTH DACUS.

The library contains 140,562 vols.

Number of teachers: 203 full-time, 23 part-time.

Number of students: 5,000.

UNIVERSITY OF SOUTH ALABAMA

307 UNIVERSITY BLVD., MOBILE, ALABAMA 36688

Telephone: (205) 460-6101.

Founded 1963.

President: Dr. F. P. WHIDDON.

Vice-President for Academic Affairs: Dr. H. PHILLIPS.

Vice-President for Health Affairs: Dr. A. DONOVAN.

Director of Admissions: COLUMBUS POSEY.

Registrar: CAROLYN PARHAM.

Librarian: A. MICHELSON.

The library contains 197,000 vols.

Number of teachers: 383.

Number of students: 6,719.

DEANS:

College of Education: Dr. G. UHLIG.

College of Business and Management Studies: Dr. D. MOSLEY.

College of Arts and Sciences: Dr. W. W. KAEMPFER.

College of Medicine: Dr. R. KREISBERG.

College of Engineering: Dr. H. RODRIGUEZ.

Graduate School: Dr. F. MITCHELL.

Student Affairs: Dr. M. HOWELL.

School of Continuing Education: Dr. E. BUNNELL.

ALASKA

ALASKA METHODIST UNIVERSITY

ANCHORAGE, ALASKA 99504

Telephone: (907) 276-8181.

Founded 1957.

President: GLENN A. OLDS.

Executive Dean: RAGHBIR S. BASI.

Registrar: JEANNETTE BROOKS.

Librarian: JACK O'BAR.

Librarian: ELIZABETH CARROLL.

The library contains 168,935 vols.

Number of teachers: 9 (full-time).

Number of students: 166 (full-time).

UNIVERSITY OF ALASKA

FAIRBANKS, ALASKA 99701

Telephone: 479-7211.

Founded 1915 as Alaska Agricultural College and School of Mines; attained university status 1935.

President: CHARLES FERGUSON (acting).

Executive Vice-President: MAURICE P. ARTH.

Vice-President for Research and Advanced Study: Dr. KEITH B. MATHER.

Vice-President for Finance: MAX M. HULLINGER (acting).

Registrar: Mrs. ANN TREMARELLO.

Librarian: T. RYBERG, M.S.

Number of teachers: *c.* 350.

Number of students: *c.* 22,000.

Publications: *The "A" Book, Catalog.*

DEANS AND DIRECTORS:

College of Arts and Sciences: Dr. PAUL S. SALTER.

College of Environmental Sciences: (vacant).

School of Management: Dr. RICHARD J. SOLIE (acting).

School of Mineral Industry: Dr. EARL H. BEISTLINE.

School of Engineering: Dr. CHARLES E. BEHLKE.

School of Education: Dr. CHARLES K. RAY.

Agricultural Experimental Station: Dr. JAMES V. DREW.

Institute of Marine Science: Dr. JOHN GOERING (acting).

Naval Arctic Research Laboratory: WARREN DENNER.

Institute of Social, Economic and Government Research: EDWARD L. GORSUCH.

Institute of Arctic Biology: Dr. GEORGE WEST (Deputy Director).

Geophysical Institute: Dr. T. NEIL DAVIS (acting).

Institute of Water Resources: ROBERT F. CARLSON, PH.D.

ARIZONA

ARIZONA STATE UNIVERSITY

TEMPE, ARIZONA 85281

Telephone: 965-9011.

Founded 1885.

President: Dr. John W. Schwada.
Academic Vice-President: Dr. Paige E. Mulhollan.
Vice-President for Administration: Dr. V. A. Metcalf.
Business Vice-President: Jack G. Penick.
Vice-President for Student Affairs: Dr. G. F. Hamm.
Vice-President for Graduate Students and Research: Dr. Charles M. Woolf.
Registrar: Enos Underwood.
Librarian: (vacant).

The library contains 1,287,600 vols.

Number of teachers: 1,395.
Number of students: 35,278.

Publications: various.

Deans:

College of Architecture: H. Burgess.
College of Fine Arts: Dr. Jules Heller.
College of Liberal Arts: Dr. Guido G. Weigend.
College of Education: Dr. Robert T. Stout.
College of Business Administration: Dr. G. D. Overman.
College of Engineering and Applied Sciences: Dr. Clovis R. Haden.
School of Social Work: Dr. Ismael Dieppa.
College of Law: Dr. Alan A. Matheson (acting).
College of Nursing: Dr. Juanita F. Murphy.

NORTHERN ARIZONA UNIVERSITY

FLAGSTAFF, ARIZONA 86011

Telephone: 523-9011

Founded 1899.

President: J. Lawrence Walkup.
Dean of Admissions and Records: M. Schroeder.
Librarian: Dr. Robert Kemper.

The library contains 919,225 vols.

Number of teachers: 550.
Number of students: 12,768.

UNIVERSITY OF ARIZONA

TUCSON, ARIZONA 85721

Telephone: (602) 884-2751.

Founded 1885.

Academic year: August to May (two terms).

President: John P. Schaefer, ph.d.
Executive Vice-President: A. B. Weaver, ph.d.
Vice-President for Business Affairs: Sherwood Carr, m.b.a.
Vice-President for Planning and Budgeting: Gary M. Munsinger, ph.d.
Vice-President for Health Sciences: M. K. DuVal, m.d.
Vice-President for Research: A. R. Kassander, ph.d.
Vice-President for Student Relations: Richard M. Edwards, ph.d.
Registrar: David Butler, m.b.a.
Librarian: W. David Laird, m.s.

Library: *see* Libraries.

Number of teachers: 1,768.
Number of students: 16,084 men, 13,039 women, total 29,123.

Publications: *Arizona Quarterly* (Literature), *Arizona Law Review*, *Arizona and the West* (Quarterly Journal of History), *Record*†, *Bulletin*†, *Business and Economic Review*† (monthly), *Books of the Southwest*†, agricultural publications.

Deans:

Administration: F. P. Gaines, ph.d.
Admissions and Records: D. L. Windsor, m.a.
College of Agriculture: G. R. Stairs, ph.d.
College of Architecture: F. S. Matter, m.arch.
College of Business and Public Administration: Rene Manes, ph.d.
College of Earth Sciences: Hugh Odishaw, m.a.
College of Education: F. R. Paulsen, ed.d.
College of Engineering: D. J. Hall, m.s. (acting).
College of Fine Arts: R. L. Hull, ph.d.
College of Law: R. C. Henderson, ll.m.
College of Liberal Arts: Paul Rosenblatt, ph.d.
College of Medicine: L. J. Kettel, m.d.
College of Mines: W. H. Dresher, ph.d.
College of Nursing: Gladys E. Sorensen, d.ed.
College of Pharmacy: J. R. Cole, ph.d.
Graduate College: L. B. Jones, ph.d.
Division of Continuing Education: L. O. Nelson, ph.d.
Students: R. S. Svob, m.a.

Professors:

College of Agriculture:

Alcorn, S. M., Plant Pathology
Allen, R., Plant Pathology
Angus, R. C., Agricultural Economics
Barnes, K. K., Soils, Water and Engineering
Bemis, W. P., Horticulture
Berry, J. W., Agricultural Biochemistry
Bohn, H. L., Soils, Water and Engineering
Briggs, R. E., Agronomy and Plant Genetics
Brown, W. H., Dairy and Food Sciences
Cable, C. C., Agricultural Economics
Christopherson, V. A., Home Economics
Day, A. D., Agronomy and Plant Sciences
Dennis, R. E., Agronomy
Deutschman, A. J., Agricultural Biochemistry
Dobrenz, A. K., Agronomy and Plant Genetics
Dutt, G. R., Soils, Water and Engineering
Endrizzi, J. E., Agronomy and Plant Genetics
Fangmeier, D. D., Soils, Water and Engineering
Feaster, C. U., Agronomy and Plant Genetics
Firch, R. S., Agricultural Economics
Fischer, J. L., Agricultural Economics
Fisher, W. D., Agronomy and Plant Genetics
Fogel, M. M., Watershed Management
Frevert, R. K., Agricultural Experimental Station
Fuller, W. H., Agricultural Chemistry and Soils
Gerhardt, P. D., Agricultural Experimental Station
Gilbertson, R. L., Plant Pathology
Goll, D. E., Nutrition and Food Science
Hale, W. H., Animal Science
Hall, Ruth C., Home Economics
Hamilton, K. C., Agronomy
Havens, W. H., Soils, Water and Engineering
Hillman, J. S., Agricultural Economics
Hine, R. B., Plant Pathology
Hogan, L. M., Horticulture and Landscape Architecture
Hull, J. M., Watershed Management
Hungerford, C. R., Co-operative Wildlife Unit
Jacobs, C. O., Agricultural Education
Jones, W. D., Horticulture
Jordan, G. L., Range Management
Katterman, F. R. H., Agronomy
Kearns, J. R., Home Economics
Kight, Mary A., Home Economics
King, D. A., Watershed Management
Kircher, H. W., Agricultural Biochemistry
Klemmedson, J. O., Agricultural Experimental Station
Kneebone, W. R., Agronomy
Knorr, Amy J. H., Home Economics
Manning, Doris E., Home Economics
Marchello, J. A., Animal Science
Martin, S. C., Watershed Management
Martin, W. E., Agricultural Economics
Matlock, W. G. Soils, Water and Engineering
McCaughey, W. F., Agricultural Biochemistry
McClure, M. A., Plant Pathology
Metcalfe, D. S., Plant Sciences
Moore, L., Entomology
Myers, H. E., Soils, Water and Engineering
Nelson, A. G., Agricultural Economics
Nelson, M. R., Plant Pathology
Nielson, M. W., Entomology
Nigh, E. L., Plant Pathology
Nutting, W. L., Entomology
Oebker, N. F., Horticulture and Landscape Architecture
Ogden, P. R., Watershed Management
Ramage, R. T., Agronomy
Ray, D. E., Animal Sciences
Reed, R. E., Animal Pathology
Rice, R. R., Home Economics
Rice, R. W., Animal Sciences
Rollins, F. D., Agricultural Extension Service
Roubicek, C. B., Animal Science
Rubis, D. D., Agronomy
Schmutz, E. M., Watershed Management
Schonhorst, M. H., Agronomy
Schuh, J. D., Animal Science
Selke, M. R., Animal Science
Smith, N. S., Co-operative Wildlife Unit

Sowls, L. K., Co-operative Wildlife Unit
Stanghellini, M. E., Plant Pathology
Stith, L. S., Agronomy and Plant Genetics
Stott, G. H., Animal Science
Stubblefield, T., Agricultural Economics
Stull, J. W., Dairy Science
Taylor, B. R., Animal Science
Thames, J. L., Watershed Management
Theurer, C. B., Animal Science
Tucker, T. C., Agricultural Chemistry
Tuttle, D. M., Entomology
Vavich, M. G., Nutrition and Food Science
Voigt, R. L., Agronomy and Plant Genetics
Wagle, R. F., Watershed Management
Ware, G. W., Entomology
Watson, T. F., Entomology
Weber, C. W., Poultry Science
Werner, F. G., Entomology
Wiersma, F., Soils, Water and Engineering
Wright, L. N., Agronomy and Plant Genetics
Zimmerman, L. H., Agronomy and Plant Genetics
Zwolinski, M. J., Watershed Management

College of Architecture:

Albanese, C. A.
Giebner, R. C.
Green, E. C.
Heck, G.
Lockard, W. K.
McConnell, R. E.
Matter, F.
Miller, A. E.
White, E. T.

College of Business and Public Administration:

Barefield, R. M., Accounting
Barrett, W. B., Accounting
Bloom, C. C., Public Administration
Bowen, D. L., Public Administration
Brock, G. W., Economics
Buehler, J. E., Economics
Call, R. V., Marketing
Carpenter, R. D., Urban Planning
Chase, R. B., Management
Dixon, H. A., Accounting
Flippo, E. B., Management
Frank, H. J., Economics
Hawkins, C. A., Finance, Insurance and Real Estate
Hecht, M. E., Geography
Herber, B. P., Economics
Jucius, M. J., Management
Kleespie, D. L., Accounting
Logan, J. P., Management
Lynn, E. S., Accounting
Manes, R. P., Business and Public Administration
Mann, L. D., Public Administration
Marshall, R. H., Economics
McCoy, L., Business and Public Administration
McIff, L. H., Accounting
Morrison, J. M., Public Administration
Mulligan, R. A., Public Administration
Munsinger, G. M., Marketing
Myers, L. A., Accounting
Navin, T. R., Management
Newman, J. W., Marketing
Pederson, L. R., Geography
Reeves, R. W., Geography
Roos, N. R., Insurance, Finance and Real Estate
Saarinen, T. F., Geography
Smith, V. L., Economics
Stockman, L. H., Marketing
Summers, G. W., Management
Taylor, L. D., Economics
Webber, J. E., Management
Wells, D. A., Economics
Wenders, J. T., Economics
Wert, J. E., Finance
Wieland, J. H., Marketing
Wilson, A. W., Geography

College of Earth Sciences:

Anthony, J. W., Geology
Bull, W. B., Geosciences
Coney, P. J., Geosciences
Damon, P. E., Geology
Davis, S. N., Hydrology and Water Resources
Duckstein, L., Hydrology and Water Resources
Evans, D. D., Hydrology and Water Resources
Ferguson, C. W., Tree-Ring Laboratory
Fritts, H. C., Tree-Ring Laboratory
Gould, L. M., Geosciences
Guilbert, J. M., Geosciences
Harshbarger, J. W., Hydrology and Water Resources
Haynes, C. V., Geosciences
Kremp, G. O., Geochronology
La Marche, V. C., Tree-Ring Laboratory
Martin, P. S., Geosciences
McCullough, E. J., Geosciences
Nagy, B., Geochronology
Odishaw, H., Earth Sciences
Resnick, S. D., Water Research
Schreiber, J. F., Geosciences
Simpson, E. S., Water Research
Simpson, G. G., Geology
Smiley, T. L., Geosciences
Sumner, J. S., Geology
Titley, S. R., Geology

College of Education:

Aleamoni, L. M., Educational Psychology
Allen, P. M., Secondary Education
Allen, R. V., Elementary Education
Anderson, W. K., Higher Education
Antley, E. M., Reading
Barnes, W. D., Secondary Education
Berliner, D. C., Educational Psychology
Bergan, J. R., Educational Psychology
Bijou, S. W., Special Education
Blake, R. F., Educational Foundations
Blecha, M. K., Elementary Education
Brown, E. D., Elementary Education
Butler, H. E., Educational Administration
Calmes, R. E., Educational Psychology
Chalfant, J. C., Special Education
Chilcott, J. H., Educational Administration
Christensen, O. C., Counselling and Guidance
Daldrup, R. J., Counselling and Guidance
Danielson, P. J., Counselling and Guidance
Fillerup, J., Elementary Education
Gavlak, E. S., Secondary Education
Goodman, K., Elementary Education
Grant, R. T., Educational Administration
Harcleroad, F., Higher Education
Henderson, R. W., Educational Psychology
Hillman, B. W., Counselling and Guidance
Kass, C. E., Special Education
Kidwell, R. A., Educational Administration
Kirk, S. A., Special Education
Klein, R. L., Secondary Education
Knief, L. M., Educational Psychology
Krebs, R. C., Secondary Education
Langen, H. J., Office Administration and Business Education
Leigh, H. W., Secondary Education
Leshin, G., Special Education
Leslie, L., Higher Education
Letson, R. J., Secondary Education
Lord, F. E., Special Education
McCarthy, J. M., Special Education
Melnik, A., Reading
Merritt, C. B., Educational Psychology
Nash, P. N., Elementary Education
Nicholson, G. I., Educational Psychology
Olson, W. L., Special Education
Paulsen, F. R., Educational Foundations and Administration
Ranniger, B. J., Elementary Education
Sabers, D. L., Educational Psychology
Saunders, T. F., Educational Administration
Schultz, R. E., Higher Education
Smith, K. G., Reading
Smith, M. C., Secondary Education
Steinbrenner, A. H., Secondary Education
Stokes, M. B., Educational Foundations and Administration
Strand, W. H., Educational Foundations
Wilson, H. B., Educational Foundations and Administration

College of Engineering:

Anderson, R., Aerospace and Mechanical Engineering
Bottaccini, M., Aerospace and Mechanical Engineering
Brehm, R. L., Nuclear Engineering
Carlile, R. N., Electrical Engineering
Carmody, T., Civil Engineering
Christensen, H. D., Aerospace and Mechanical Engineering
Da Deppo, D. A., Civil Engineering
Duckstein, L., Systems Engineering
Dudley, D. G., Electrical Engineering
Evans, W. H., Electrical Engineering
Fahey, W. J., Engineering Administration
Ferrell, W. R., Systems and Industrial Engineering
Hall, D. J., Civil Engineering
Hamilton, D. J., Electrical Engineering
Hausenbauer, C., Electrical Engineering
Hessemer, R. A., Electrical Engineering
Hetrick, D. L., Nuclear Engineering
Hilberry, N., Nuclear Engineering
Hill, F. J., Electrical Engineering
Hoenig, S. A., Electrical Engineering
Huelsman, L. P., Electrical Engineering
Ince, S., Civil Engineering
Jimenez, R. A., Civil Engineering
Jones, R. C., Electrical Engineering
Kamel, H. A., Aerospace and Mechanical Engineering
Kececioglu, D., Aerospace and Mechanical Engineering
Kerwin, W. J., Electrical Engineering
Korn, G. A., Electrical Engineering
Kriegh, J. D., Civil Engineering
Laursen, E. M., Civil Engineering
Malvick, A. J., Civil Engineering
Martin, M. de W., Aerospace and Mechanical Engineering
Mattson, R. H., Electrical Engineering
McEligot, D. M., Aerospace and Mechanical Engineering
Mees, Q. M., Civil Engineering
Miklofsky, H. A., Civil Engineering
Morse, R. L., Nuclear Engineering
Neff, R. C., Civil Engineering
Newlin, P. B., Civil Engineering
Parks, E. K., Aerospace and Mechanical Engineering
Perkins, H. C., Aerospace and Mechanical Engineering
Petersen, R. E., Aerospace and Mechanical Engineering

Peterson, G. R., Electrical Engineering
Phillips, R. A., Civil Engineering
Post, R. G., Nuclear Engineering
Richard, R. M., Civil Engineering
Rogers, W. L., Aerospace and Mechanical Engineering
Schultz, D. G., Electrical Engineering
Scott, L. B., Jr., Aerospace and Mechanical Engineering
Seale, R. L., Nuclear Engineering
Sears, W. R., Aerospace and Mechanical Engineering
Seebass, A. R., Aerospace and Mechanical Engineering
Sierka, R. A., Civil Engineering
Sultan, H. A., Civil Engineering
Thomson, Q. R., Aerospace and Mechanical Engineering
Thornburg, M. L., Aerospace and Mechanical Engineering
Vincent, T. L., Aerospace and Mechanical Engineering
Wacks, M. E., Nuclear Engineering
Wait, J. V., Electrical Engineering
Wymore, A. W., Systems and Industrial Engineering
Yappel, A. R., Aerospace and Mechanical Engineering

College of Fine Arts:

Akmajian, D., Music
Anderson, W. H., Art
Anthony, J. R., Music
Barreca, F. R., Radio, TV
Boone, D. R., Speech and Hearing Sciences
Burroughs, R. C., Drama
Conant, H., Art
Conley, E. T., Music
Day, L., Music
Denman, J., Music
Denniston, D. G., Art
Epperson, G., Music
Ferrell, J. R., Music
Gorin, I., Music
Grossman, M. K., Art
Hartsell, O. M., Music
Haskin, D. M., Art
Heldt, C. R., Art
Hixon, T. J., Speech and Hearing
Hodgson, W. R., Speech and Hearing
Hull, R. L., Music
Kashy, J.-L., Music
Keyworth, R. A., Drama
Lee, J. K., Music
Littler, C. A., Art
Marroney, P. R., Drama
Marsh, O., Music
McDonald, S., Music
McMillan, R. W., Art
Muczynski, R., Music
Murphy, E. W., Music
Peters, R. E., Music
Pritchard, W. D., Music
Quinn, R. M., Art
Reich, S., Art
Schroeder, L. R., Art
Scott, J. P., Art
Shelton, R. L., Speech
Skinner, P. H., Speech
Werner, R. J., Music
Zumbro, N., Music

College of Law:

Andrews, A. W., Law Administration
Ares, C. E., Law Administration
Boyd, W. E.
Clark, R. E.
Davis, R. J.
Eckhardt, A. G.
Finer, J. J.
Hall, T. L.
Hegland, F.
Hoffman, J.
Irwin, J. J.
Kozolchyk, B.
Livermore, J. M., Law Administration
Rappeport, J. J.
Smith, C. M.
Van Slyck, W. N.
Wexler, D. B.
Woods, W. D.

College of Liberal Arts:

Adamec, L. W., Oriental Studies
Allen, R. C., Romance Languages
Anderson, R., Romance Languages
Angel, J. R., Astronomy
Aposhian, H. V., Biology
Bagnara, J. T., Biological Sciences
Bailey, D. C., Oriental Studies
Bannister, B., Tree-Ring Laboratory
Barfield, M., Chemistry
Barrow, L., Romance Languages
Bartels, P. H., Microbiology
Bartlett, N. R., Psychology
Bashkin, S., Physics
Basso, K. H., Anthropology
Bateman, H. E., History
Bates, R. B., Chemistry
Battan, L. J., Atmospheric Physics
Beck, J. R., German
Benson, C. T., Mathematics
Bhattacharya, P. K., Mathematics
Bickel, W. S., Physics
Blitzer, L., Physics
Bowen, T., Physics
Bowers, R. V., Sociology
Brillhart, J. D., Mathematics
Browder, R. P., History
Brown, A. D., Romance Languages
Brown, T., Romance Languages
Calder, W. A., Biology
Caldwell, R. L., Philosophy
Capponi, G., Romance Languages
Carson, D. W., Journalism
Carter, H. E., Chemistry
Carter, P. A., History
Chambers, F. McG., Romance Languages
Chambers, R. H., Physics
Chandola, A. C., Oriental Studies
Cheema, M. S., Mathematics
Chiasson, R. B., Biological Sciences
Clark, L. D., English
Clay, J. R., Mathematics
Coan, R. W., Psychology
Cockrum, E. L., Biological Sciences
Cortner, R. C., Government
Cowan, J. L., Philosophy
Culbert, T. P., Anthropology
Curtis, R. F., Sociology
Davis, J. E., Romance Languages
Dawson, G. A., Atmospheric Sciences
Demorest, J.-J., Romance Languages
Denny, J. L., Mathematics
Diebold, A. R., Anthropology
Dinnerstein, L., History
Domino, G., Psychology
Donahue, D. J., Physics
Donohoe, J., History
Dufner, M., German
Dulles, J. W. F., History
Duncan, B., Sociology
Duncan, O. D., Sociology
Eisner, S., English
Emrick, R. M., Physics
Erickson, M. L., Sociology
Evans, W. H., Atmospheric Sciences
Fan, C.-Y., Physics
Feltham, R. D., Chemistry
Fernando, Q., Chemistry
Ferris, W. R., Biological Sciences
Fife, P. C., Mathematics
Fitch, W. S., Astronomy
Forster, L. S., Chemistry
Franken, P. A., Optical Sciences
Freiser, H., Economics
Garcia, J. D., Physics
Gibbs, J. P., Sociology
Granger, B. H., English
Groemer, H., Mathematics
Grove, L., Mathematics
Grunow, O. H. R., German
Gryting, L. A. T., Romance Languages
Hall, H. K., Chemistry
Hamblin, R. L., Sociology
Hammond, P. E. Sociology
Harlow, H. L., Psychology
Harris, R. M., Biological Sciences
Haury, E. W., Anthropology
Haynes, C. V., Anthropology
Heed, W. B., Biological Sciences
Henderson, R. N., Anthropology
Hendrickson, J. R., Biological Sciences
Herman, B. M., Atmospheric Sciences
Hill, H. A., Physics
Hinton, H. P., History
Hoffmann, W. F., Astronomy
Hoshaw, R. W., Biological Sciences
Hosley, R., English
Hubbard, W. B., Planetary Sciences
Hulse, F. S., Anthropology
Inman, B. J., English
Iventosch, H., Romance Languages
Jelinek, A. J., Anthropology
Jenkins, E. W., Physics
Jensen, H., Philosophy
Jeter, W. S., Microbiology
Jewkes, W. T., English
Johnson, H. L., Astronomy
Jokipil, J. R., Astronomy
Jones, L. B., Chemistry
Just, K. W., Physics
Kahn, M. W., Psychology
Kalbach, R. M., Physics
Kassander, A. R., Meteorology
Keck, K., Biological Sciences
Keller, P. C., Chemistry
Kelley, A. E., Chemistry
Kessler, J. O., Physics
Ketcham, C. H., English
Kilkson, R., Chemistry
King, J. E., Psychology
Klaiss D. S. Sociology
Kohler, S., Physics
Lamb, G. L., Mathematics
Lamb, U., History
Lamb, W. E., Physics
Lansing, R. W., Psychology
Leavitt, J. A., Physics
Lehrer, K. E., Philosophy
Leonard, R. C., Sociology
Levy, J. E., Anthropology
Lieberson, S., Sociology
Lippincott, W. T., Chemistry
Lomen, D. O., Mathematics
Lomont, J. S., Mathematics
Longacre, W. A., Anthropology
Lovelock, D., Mathematics
Low, F. J., Astronomy
Lowe, C. H., Biological Sciences
Ludovici, P. P., Microbiology
Lytle, C. M., Government
Lytle, I., Biology
MacKinnon, W. J., Psychology
Madison, P., Psychology
Mahar, J. M., Oriental Studies
Mahmoud, H. M., Physics
Malik, J., Russian and German
Mangelsdorf, P., Journalism
Marquart, D. I., Psychology
Marvel, C. S., Chemistry
Mason, C. T., Biological Sciences
McCauley, W. J., Biology
McCullen, J. D., Physics
McElroy, J. H., English
McNiece, G. M., English
Mead, A. R., Biological Sciences
Meinel, A. B., Astronomy
Mendelson, N. H., Microbiology
Mering, J. V., History
Meyer, M. C., History
Miller, W. B., Biology
Milo, R. D., Philosophy
Mulvaney, J. E., Chemistry
Murphy, J. G., Philosophy

Myers, D. E., Mathematics
Nelson, D. A., Romance Languages
Netting, R. M., Anthropology
Nichols, R. L., History
Officer, J. E., Anthropology
O'Leary, J. W., Biology
Olsen, S. J., Anthropology
O'Malley, R. E., Mathematics
Oswald, J. G., History
Parker, T. W., History
Parmenter, R. H., Physics
Pickens, P., Biology
Pierce, R. S., Mathematics
Raab, F. V., Philosophy
Rebsamen, F. R., English
Rhodes, H. D., Chemistry
Ridge, G. W., Journalism
Robins, H. F., English
Robinson, C., English
Robson, J. W., Physics
Roemer, E., Astronomy
Rosaldo, R. I., Romance Languages
Rosenberg, C. I., Romance Languages
Rosenblatt, P., English
Rosenzweig, M. L., Biology
Rossi, J., Romance Languages
Rund, H., Mathematics
Rupley, J. A., Chemistry
Salmon, W. C., Philosophy
Scadron, M. D., Physics
Schafer, J. P., Chemistry
Schotland, R. M., Atmospheric Physics
Schultz, W. R., Oriental Studies
Scully, M. O., Physics
Seeley, M. G., Chemistry
Sellers, W. D., Atmospheric Physics
Sigworth, O. F., English
Sonett, C. P., Planetary Sciences
Spicer, E. H., Anthropology
Staley, D. O., Meteorology
Stark, R. W., Physics
Steelink, C., Chemistry
Steinbrenner, A. H., Mathematics
Stoner, J. O., Physics
Strittmatter, P. A., Astronomy
Sugg, J. Y., Microbiology
Swihart, T. L., Astronomy
Tanner, C. L., Anthropology
Tao, Y.-S., Oriental Studies
Ter Horst, R., Romance Languages
Thompson, R. H., Anthropology
Tifft, W. G., Astronomy
Tollin, G., Chemistry
Toma, P. A., Government
Tomizuka, C. T., Physics
Trifan, D., Mathematics
Turner, P. R., Anthropology
Twomey, S. A., Atmospheric Sciences
Underwood, J. H., Anthropology
Vignery, J. R., History
Wangsness, R. K., Physics
Weaver, A. B., Physics
Weaver, T., Anthropology
Wetzel, R. J., Psychology
Weymann, R. J., Astronomy
Wheeler, L., Psychology
Williams, E. J., Government
Wilska, A. P., Physics
Wilson, C. E., Political Science
Wise, E. N., Chemistry
Woloshin, D. J., German
Woolf, N. J., Astronomy
Wrenn, R. L., Psychology
Wyckoff, R. W. G., Physics
Yall, I., Microbiology
Yoshino, I. R., Sociology
Younggren, N. A., Biological Sciences
Zagona, S. V., Psychology

College of Medicine:

Abrams, H. K., Family and Community Medicine
Angevine, J. B., Anatomy
Barrett, H., Radiology
Benson, B., Anatomy
Bernstein, H., Microbiology
Boone, M. L. M., Radiology
Bressler, R., Pharmacology
Brosin, H. W., Psychiatry
Brown, B. R., Anaesthesiology
Burrows, B., Internal Medicine
Capp, M. P., Radiology
Christian, C. D., Obstetrics and Gynaecology
Chvapil, M., Surgery
Corrigan, J. J., Paediatrics
Cross, H. E., Surgery
Dantzler, W. H., Physiology
Davis, J. R., Pathology
Denny, W. F., Internal Medicine
Ewy, A., Internal Medicine
Freundlich, I. M., Radiology
Fulginiti, V. A., Paediatrics
Goldberg, S. J., Paediatrics
Heine, M. W., Obstetrics and Gynaecology
Huestis, D. W., Pathology
Johnson, P. C., Physiology
Kettell, I. J., Internal Medicine
Knudson, R., Internal Medicine
Krutzsch, P. H., Anatomy
Layton, J. M., Pathology
Levenson, A. I., Psychiatry
Lynch, P. J., Internal Medicine
Marcus, F. I., Internal Medicine
Mathews, C. K., Medical Biochemistry
Morrow, G., Paediatrics
Nudelman, S., Radiology
Nugent, C. A., Internal Medicine
Ogden, D. A., Internal Medicine
Peacock, E. E., Surgery
Peltier, L. F., Surgery
Present, A. J., Radiology
Rifkind, D., Microbiology
Salmon, S. A., Internal Medicine
Shaw, J. R., Family and Community Medicine
Sibley, W. A., Neurology
Stuart, D. G., Physiology
Tapp, J. W., Family and Community Medicine
Thompson, H. C., Paediatrics
Vanselow, N. A., Internal Medicine
Wolfe, W. L., Radiology
Zukoski, C. F., Surgery

College of Mines:

Demer, L. J., Metallurgical Engineering
Dotson, J. C., Mining and Geological Engineering
Edwards, R. M., Mines Administration
Geiger, G. H., Metallurgical Engineering
Gross, J. F., Chemical Engineering
Harris, D. P., Mining and Geological Engineering
Keating, K. L., Metallurgical Engineering
Morris, T. M., Metallurgical Engineering
Peters, W. C., Mining and Geological Engineering
Randolph, A. D., Chemical Engineering
Rehm, T. R., Chemical Engineering
Smith, S. L., Metallurgical Engineering
Sumner, J. S., Geology
White, D. H., Chemical Engineering

College of Nursing:

McCord, B. A.
Putt, A. M.
Sorensen, G. E.

College of Pharmacy:

Brewer, W. R., Pharmaceutical Sciences
Burton, L. E., Pharmaceutical Sciences
Chin, L., Pharmacology and Toxicology
Clayton, J. W., Pharmacology and Toxicology
Cole, J. R., Pharmaceutical Sciences
Picchioni, A. L., Pharmacology and Toxicology
Zapotocky, J. A., Pharmaceutical Sciences

Graduate College:

(Lists only those professors whose names do not appear under other Colleges)

Babcock, C. L., Optical Sciences
Dickinson, D. C., Library Science
Frieden, B. R., Optical Sciences
Jacobs, S. F., Optical Sciences
Johnson, R. K., Library Science
Seraphin, B. O., Optical Sciences
Shack, R. V., Optical Sciences
Shannon, R. R., Optical Sciences
Slater, P. N., Optical Sciences
Stavroudis, O. N., Optical Sciences
Turner, A. F., Optical Sciences
Wolfe, W. L., Optical Sciences

General Departments:

Atwater, A. E., Physical Education for Women
Clausen, M. R., Health, Physical Education and Recreation
Erickson, M. C., Health, Physical Education and Recreation
Gable, S. R., Military Aerospace Studies
Griswold, R. E., Computer Centre
King, W. H., Health, Physical Education and Recreation
Miller, D., Women's Physical Education
Rees, F. D., Health, Physical Education and Recreation
Pilgrim, M., Women's Physical Education
Resley, P., Military Science
Roby, F. B., Health, Physical Education and Recreation
Roby, M. P., Women's Physical Education
Strack, D. H., Health, Physical Education and Recreation

ARKANSAS

ARKANSAS COLLEGE

P.O. BOX 2317, BATESVILLE,
ARKANSAS 72501

Telephone: (501) 793-9813.

Founded 1872.

President: Dr. Dan C. West.

Dean: John T. Dahlquist.

Director of Learning Resources Center: Dr. Gary Byrd.

The library contains 65,000 vols.

Number of teachers: 34.

Number of students: 495.

ARKANSAS STATE UNIVERSITY

STATE UNIVERSITY,
ARKANSAS 72467

Telephone: (501) 972-2100.

Founded 1909.

President: Carl Whillock.

Registrar: Greta S. Mack.

Librarian: G. M. Taylor.

The library contains 519,600 vols.

Number of teachers: 330.

Number of students: 7,303.

ARKANSAS TECH UNIVERSITY

RUSSELLVILLE, ARKANSAS 72801

Telephone: 968-0237.

Founded 1909.

President: Kenneth Kersh.
Registrar: Charles M. Shelton.
Librarian: W. A. Vaughn.

The library contains 132,000 vols.

Number of teachers: 125.
Number of students: 2,600.

COLLEGE OF THE OZARKS

CLARKSVILLE, ARKANSAS 72830

Telephone: 754-2788.

Founded 1834.

President: Dr. R. L. Qualls.
Registrar: P. R. Pittman.
Librarian: Jan Cole.

The library contains 70,709 vols.

Number of teachers: 39.
Number of students: 590.

HARDING COLLEGE

SEARCY, ARKANSAS 72143

Telephone: (501) 268-6161.

Founded 1924.

President: Dr. Clifton L. Ganus, Jr.
Registrar: V. Beckett.
Librarian: Miss Winnie Bell.

The library contains 146,000 vols.

Number of teachers: 146.
Number of students: 2,800.

HENDERSON STATE UNIVERSITY

ARKADELPHIA, ARKANSAS 71923

Telephone: (501) CHapel 6-5511.

Founded 1890 as church-related college; became a state institution in 1929.

President: Dr. M. B. Garrison.
Registrar: H. Lucht.
Librarian: Dr. J. Richard Madaus.

The library contains 125,000 volumes.

Number of teachers: 170.
Number of students: 3,642.

HENDRIX COLLEGE

CONWAY, ARKANSAS 72032

Telephone: (501) 329-6811.

Founded 1884.

President: Roy B. Shilling, Jr.
Registrar: A. Raymond.
Librarian: Dr. Henry Alsmeyer.

The library contains 128,000 vols.

Number of teachers: 55.
Number of students: 960.

JOHN BROWN UNIVERSITY*

P.O.B. 600, SILOAM SPRINGS,
ARKANSAS 72761

Telephone: (501) 524-3131.

Founded 1919.

President: Dr. J. E. Brown.
Dean: Dr. R. E. Cox.
Librarian: G. Rogers.

Number of teachers: *c.* 50.
Number of students: 585.

* No reply received to our questionnaire this year.

PHILANDER SMITH COLLEGE*

812 WEST 13TH ST.,
LITTLE ROCK, ARKANSAS 72203

Telephone: FR. 5-9845.

Founded 1877.

President: Walter R. Hazzard.
Registrar: Mrs. Faustenia S. Bomar.
Librarian: Shirley Tolefree.

Number of teachers: *c.* 60.
Number of students: 750.

* No reply received to our questionnaire this year.

UNIVERSITY OF ARKANSAS

FAYETTEVILLE,
ARKANSAS 72701

Telephone: 575-2000.

Established 1871. Opened 1872.

President: Charles E. Bishop, M.S., Ph.D.
Executive Vice-President: Charles W. Oxford, Ph.D.
Vice-President for Administration: Farris W. Womack, M.Ed., Ed.D.
Vice-President for Agriculture: James E. Martin, M.S., Ph.D.
Vice-President for Fiscal Affairs: Fred S. Vorsanger, M.B.A.
Director of Libraries: R. V. Pope, B.S., M.S.L.S.
Director of Museum: C. R. McGimsey, M.A., Ph.D.

Number of teachers: main campus 713, total 1,572.
Number of students: main campus 13,534, total 30,652.

Deans:

College of Agriculture and Home Economics: G. Hardy, Ph.D.
College of Arts and Sciences: R. Anderson, M.S., Ph.D.
College of Business Administration: J. P. Owen, M.B.A., Ph.D.
College of Education: F. J. Vescolani, M.A., Ed.D.
College of Engineering: Loren R. Heiple, B.S.C.E., Ph.D.
Graduate School: J. J. Hudson, M.A., Ph.D.
School of Law: Wylie H. Davis, J.D., M.A., LL.M.
Graduate Institute of Technology: J. Frederickson, Ph.D.
School of Architecture: C. Murray Smart, B.Arch., M.S.
Division of Continuing Education: Hugh L. Mills, M.S., Ed.D.

UNIVERSITY OF ARKANSAS AT LITTLE ROCK

33RD & UNIVERSITY,
LITTLE ROCK, ARKANSAS 72204

Telephone: 569-3000.

Founded 1927.

Chancellor: Dr. G. Robert Ross.
Vice-Chancellor for Academic Affairs: Dr. J. H. Fribourgh.
Vice-Chancellor for Finance: Francis L. Robinson.
Vice-Chancellor for Student Affairs: Dr. Dorothy Truex.
Registrar: Dr. D. Beard.
Librarian: J. A. Allen.

The library contains 201,279 vols.

Number of teachers: 340.
Number of students: 9,238.

UNIVERSITY OF ARKANSAS AT MONTICELLO

MONTICELLO, ARKANSAS 71655

Telephone: (501) 367-6811.

Founded 1909.

Chancellor: Dr. Fred J. Taylor.
Registrar: R. L. Kirchman.
Librarian: William F. Droessler.

The library contains 72,000 vols.

Number of teachers: 105.
Number of students: 1,867.

UNIVERSITY OF ARKANSAS AT PINE BLUFF

PINE BLUFF, ARKANSAS 71601

Chancellor: Herman B. Smith, Jr., M.S., Ph.D.

Number of students: 3,000.

Liberal arts and teacher education; first degrees.

CALIFORNIA

ARMSTRONG COLLEGE

2222 HAROLD WAY,
BERKELEY, CALIFORNIA 94704

Telephone: (415) 848-2500.

Founded 1918.

President: John E. Armstrong.
Registrar: Edward J. Turk (acting).
Librarian: Andrea Levitt.

The library contains 20,000 vols.

Number of teachers: 50.
Number of students: 625.

THE ART CENTER COLLEGE OF DESIGN

1700 LIDA ST.,
PASADENA, CALIFORNIA 91103

Telephone: (213) 577-1700.

Founded 1930.

President: Donald R. Kubly.

Admissions Director/Registrar: Olive M. Gardiner.

Librarian: Camille Kazadi.

Departments of Communications Design, Film, Illustration, Industrial Design, Painting, Photography.

Number of teachers: 201.
Number of students: 970.

AZUSA PACIFIC COLLEGE

HIGHWAY 66 at CITRUS AVENUE,
AZUSA, CALIFORNIA 91702
Telephone: (213) 969-3434.
Founded 1899.

President: Dr. Paul E. Sago.

Dean of the College: Dr. Don Grant.

Director of Admissions: Larry Brooks.

Librarian: Ed Peterman.

The library contains 286,085 vols.

Number of teachers: 90 full-time, 27 part-time.

Number of students: 1,505.

BETHANY BIBLE COLLEGE

800 BETHANY DRIVE,
SANTA CRUZ,
CALIFORNIA 95066
Telephone: 438-3800.
Founded 1919.

President: Richard Foth.

Vice-President: Ernie Wood.

Registrar: Miss C. Wilson.

Academic Dean: Charles Pace.

Librarians: Arnold McLellan, Ed Koetitz.

The library contains 42,000 vols.

Number of teachers: 35.
Number of students: 576.

BIOLA COLLEGE

13800 BIOLA AVENUE,
LA MIRADA, CALIFORNIA 90639
Telephone: (213) 944-0351.
Founded 1908.

President: J. Richard Chase.

Registrar: John Stuber.

Dean of Admissions: William Carden.

Librarian: G. Gooden.

The library contains 150,000 vols.

Number of teachers: 150.
Number of students: 2,500.

CALIFORNIA BAPTIST COLLEGE

8432 MAGNOLIA AVENUE,
RIVERSIDE, CALIFORNIA 92504
Telephone: 689-5771.
Founded 1950.

President: Dr. James R. Staples, B.D., Ed.D.

Dean: Stephen Carleton, M.A., Ph.D.

Registrar: D. W. Hokett, B.D., M.Ed.

The library contains 103,000 vols.

Number of teachers: 50.
Number of students: 985.

CALIFORNIA COLLEGE OF ARTS AND CRAFTS

5212 BROADWAY, OAKLAND,
CALIFORNIA 94618
Telephone: 653-8118.
Founded 1907.

President: Harry X. Ford.

Dean of Admissions: Jean Thomma.

Librarian: R. Harper.

The library contains 25,000 vols.

Number of teachers: 110.
Number of students: 1,133.

CALIFORNIA COLLEGE OF PODIATRIC MEDICINE

BOX 7855, RINCON ANNEX,
SAN FRANCISCO,
CALIFORNIA 94120
Telephone: (415) 563-3444.
Founded 1914.

President and Chief Executive Officer: Richard G. Allen, M.H.A.

Vice-President and Academic Dean: Paul R. Scherer, D.P.M.

Librarian: L. Shapiro, M.L.S.

The library contains 6,000 vols., 6,000 periodicals.

Number of teachers: 54.
Number of students: 368.

CALIFORNIA INSTITUTE OF ASIAN STUDIES

3494 21ST ST., SAN FRANCISCO,
CALIFORNIA 94110
Telephone: (415) 648-1489.
Founded 1968.

President: Dr. Frederic Spiegelberg.

Vice-President: Mrs. Bina P. Chaudhuri.

Dean: Dr. Vasant Joshi.

Registrar: Michael Joye.

Librarian: Vern Haddick.

The library contains 15,000 vols.

Number of teachers: 35.
Number of students: 170.

Publication: *Integral Review* (annually).

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA 91125
Telephone: (213) 795-6811.
Founded 1891. Private.

President: Marvin L. Goldberger, Ph.D.

Vice-President and Provost: R. F. Christy, Ph.D.

Vice-President for Business and Finance and Treasurer: D. W. Morrisson, M.B.A.

Vice-President for Institute Relations: W. H. Corcoran, Ph.D.

Vice-President for Student Affairs: R. D. Owen, Ph.D.

Director of Admissions: S. L. Huntley, Ph.D.

Dean of Students: R. D. Owen, Ph.D.

Controller: R. T. Baker, B.S.

Secretary: H. C. Martel, Ph.D.

Registrar: L. G. Bonner, Ph.D.

Librarian: J. E. Tallman, B.A.

The library contains 325,000 vols.

Number of teachers: 305.
Number of students: 1,667.

Publications: *Engineering and Science*, *Caltech News*.

Chairmen of Divisions:

Biology: N. H. Horowitz, Ph.D.

Chemistry and Chemical Engineering: H. B. Gray, Ph.D.

Engineering and Applied Science: R. H. Cannon, Ph.D.

Geological and Planetary Sciences: W. Barclay Kamb, Ph.D.

Humanities: R. W. Paul, Ph.D. (acting).

Physics, Mathematics and Astronomy: R. E. Vogt, Ph.D.

Professors:

Acosta, A. J., Ph.D., Mechanical Engineering
Ahrens, T. J., Ph.D., Geophysics
Albee, A. L., Ph.D., Geology
Allen, C. R., Ph.D., Geology and Geophysics
Anderson, D. L., Ph.D., Geophysics
Anson, F. C., Ph.D., Analytical Chemistry
Apostol, T. M., Ph.D., Mathematics
Aschbacher, M., Ph.D., Mathematics
Attardi, G., M.D., Biology
Babcock, Jr., C. D., Ph.D., Aeronautics
Baldeschwieler, J. D., Ph.D., Chemistry
Barish, B. C., Ph.D., Physics
Barnes, C. A., Ph.D., Physics
Beauchamp, J. L., Ph.D., Chemistry
Benton, J. F., Ph.D., History
Benzer, S., Ph.D., D.Sc., Biology
Berg, H. C., Ph.D., Biology
Boehm, F. H., Ph.D., Physics
Bonner, J. F., Ph.D., Biology
Bridges, W. B., Ph.D., Electrical Engineering and Applied Physics
Brokaw, C. J., Ph.D., Biology
Brooks, N. H., Ph.D., Environmental Science and Civil Engineering
Brown, G. L., Ph.D., Aeronautics
Burnett, D. S., Ph.D., Nuclear Geochemistry
Cannon, R. H., Jr., Sc.D., Engineering
Caughey, T. K., Ph.D., Applied Mechanics
Chan, S. I., Ph.D., Chemical Physics
Christy, R. F., Ph.D., Theoretical Physics
Clark, J. K., Ph.D., English
Clauser, F. H., Ph.D., Aeronautics
Cohen, D. S., Ph.D., Applied Mathematics
Cohen, M. H., Ph.D.,Radio Astronomy
Coles, D. E., Ph.D., Aeronautics
Corcoran, W. H., Ph.D., Chemical Engineering
Corngold, N., Ph.D., Applied Science
Cowan, E. W., Ph.D., Physics
Culick, F. E. C., Ph.D., Jet Propulsion
Davidson, E. H., Ph.D., Biology
Davidson, N. R., Ph.D., Chemistry
Davis, L., Ph.D., Economics
Davis, L., Jr., Ph.D., Theoretical Physics
Dean, R. A., Ph.D., Mathematics

DePrima, C. R., ph.d., Mathematics
Dickerson, R. E., ph.d., Physical Chemistry
Dilworth, R. P., ph.d., Mathematics
Dreyer, W. J., ph.d., Biology
Elliot, D. C., ph.d., History
Epstein, S., ph.d., Geochemistry
Evans, D. A., ph.d., Chemistry
Fay, P., ph.d., History
Fender, D. H., ph.d., Biology and Applied Science
Ferejohn, J. A., ph.d., Political Science
Feynman, R. P., ph.d., Theoretical Physics
Fiorina, M. P., ph.d., Political Science
Fowler, W. A., ph.d., Physics
Franklin, J. N., ph.d., Applied Mathematics
Frautschi, S. C., ph.d., Theoretical Physics
Friedlander, S. K., ph.d., Chemical and Environmental Health Engineering
Fuller, F. B., ph.d., Mathematics
Garmire, G. P., ph.d., Physics
Gavalas, G. R., ph.d., Chemical Engineering
Gell-Mann, M., ph.d., sc.d., d.sc., Theoretical Physics
Goddard, III, W. A., ph.d., Theoretical Chemistry
Goldreich, P. M., ph.d., Planetary Science and Astronomy
Gomez, R., ph.d., Physics
Goodstein, D. L., ph.d., Physics and Applied Science
Gould, R. W., ph.d., Electrical Engineering and Physics
Gray, H. B., ph.d., Chemistry
Gray, R. D., b.s., Economics and Industrial Relations
Greenstein, J. L., ph.d., Astrophysics
Grether, D. M., ph.d., Economics
Grubbs, R. H., ph.d., Chemistry
Gunn, J. E., ph.d., Astronomy
Hall, M., Jr., ph.d., Mathematics
Hood, L. E., m.d., ph.d., Biology
Horowitz, N. H., ph.d., Biology
Housner, G. W., ph.d., Civil Engineering and Applied Mechanics
Hudson, D. E., ph.d., Mechanical Engineering and Applied Mechanics
Humphrey, F. B., ph.d., Electrical Engineering
Ingersoll, A. P., ph.d., Planetary Science
Ireland, R. E., ph.d., Organic Chemistry
Iwan, W. D., ph.d., Applied Mechanics
Jennings, P. C., ph.d., Applied Mechanics
Jones, W. T., ph.d., Philosophy
Kamb, W. B., ph.d., Geology and Geophysics
Kanamori, H., ph.d., Geophysics
Kavanagh, R. W., ph.d., Physics
Keller, H. B., ph.d., Applied Mathematics
Klein, B. H., ph.d., Economics
Knauss, W. G., ph.d., Aeronautics
Knowles, J. K., ph.d., Applied Mechanics
Konishi, M., ph.d., Biology
Kreiss, H. O., dr.tech., Applied Mathematics
Kubota, T., ph.d., Aeronautics
Kuppermann, A., ph.d., Chemical Physics
Lagerstrom, P., ph.d., Applied Mathematics
Langmuir, R. V., ph.d., Electrical Engineering
Langston, B., ph.d., English
Leal, L. G., ph.d., Chemical Engineering
Lees, L., m.s., Environmental Engineering and Aeronautics
Leighton, R. B., ph.d., Physics
Levine, M. E., ll.b., Law and Social Change in the Technological Society
Lewis, E. B., ph.d., Biology
Liepmann, H. W., ph.d., Aeronautics
List, E. J., ph.d., Environmental Engineering Science
Lorden, G., ph.d , Mathematics
Lowenstam, H., ph.d., Palaeoecology
Luxemburg, W. A. J., ph.d., Mathematics
McCaldin, J. O., ph.d., Applied Science and Electrical Engineering
McCann, G. D., ph.d., Applied Science
McGill, T. C., ph.d., Applied Physics
McKee, J. E., sc.d., Environmental Engineering
McKoy, V., ph.d., Theoretical Chemistry
Mandel, O., ph.d., English
Marble, F. E., ph.d., Jet Propulsion and Mechanical Engineering
Marcus, R. A., ph.d., Chemistry
Mathews, J., ph.d., Theoretical Physics
Mayer, J. W., ph.d., Electrical Engineering
Mayhew, G. P., ph.d., English
Mead, C. A., ph.d., Electrical Engineering
Mercereau, J. E., ph.d., d.sc., Physics
Middlebrook, R. D., ph.d., Electrical Engineering
Miklowitz, J., ph.d., Applied Mechanics
Mitchell, H. K., ph.d., Biology
Moffet, A. T., ph.d., Radio Astronomy
Morgan, J. J., ph.d., Environmental Engineering Science
Muhleman, D. O., ph.d., Planetary Science
Munger, E. S., ph.d., Geography
Murray, B. C., ph.d., Planetary Science
Neugebauer, G., ph.d., Physics
Nicolet, M., ph.d., Electrical Engineering
Noll, R. G., ph.d., Economics
North, W. J., ph.d., Environmental Science
Oke, J. B., ph.d., Astronomy
Oliver, R. W., ph.d., Economics
Owen, R. D., ph.d., sc.d., Biology
Papas, C. H., ph.d., Electrical Engineering
Paul, R. W., ph.d.. History
Peck, C. W., ph.d., Physics
Pickering, W. H., ph.d., Electrical Engineering
Pierce, J. R., ph.d., d.sc., d.eng., e.d., Engineering
Pine, J., ph.d., Physics
Pings, C. J., ph.d., Chemical Engineering and Chemical Physics
Plesset, M. S., ph.d., Engineering Science
Plott, C. R., ph.d., Economics
Quirk, J. P., ph.d., Economics
Raftery, M. A., ph.d., sc.d., Chemical Biology
Raichlen, F., sc.d., Civil Engineering
Rannie, W. D., ph.d., Jet Propulsion
Revel, J., ph.d., Biology
Richards, J. H., ph.d., Organic Chemistry
Roberts, J. D., ph.d., dr.rer.nat., sc.d., Chemistry
Rosenstone, R. A., ph.d., History
Roshko, A., ph.d., Aeronautics
Ryser, H. J., ph.d., Mathematics
Sabersky, R. H., ph.d., Mechanical Engineering
Saffman, P. G., ph.d., Applied Mathematics
Sargent, W. L. W., ph.d., Astronomy
Schmidt, M., ph.d., sc.d. Astronomy
Sciulli, F. J., ph.d., Physics
Scott, R. F., sc.d., Civil Engineering
Scudder, T., ph.d., Anthropology
Seinfeld, J. H., ph.d., Chemical Engineering
Shair, F. H., ph.d., Chemical Engineering
Sharp, R. P., ph.d., Geology
Shoemaker, E. M., ph.d., sc.d., Geology
Silver, L. T., ph.d., Geology
Smith, H. D., ph.d., lh.d., English
Sperry, R. W., ph.d., d.sc., Psychobiology
Sternberg, E., ph.d., Mechanics
Stewart, H. J., ph.d., Aeronautics
Stone, Jr., E. C., ph.d., Physics
Strumwasser, F., ph.d., Biology
Sturtevant, B., ph.d., Aeronautics
Sutherland, I. E., ph.d., Computer Science
Taylor, H. P., Jr., ph.d., Geology
Thompson, F. B., ph.d., Applied Science and Philosophy
Thorne, K. S., ph.d., Theoretical Physics
Todd, J., b.sc., Mathematics
Tombrello, T. A., Jr., ph.d., Physics
Tschoegl, N. W., ph.d., Chemical Engineering
Vaughan, R. W., ph.d., Chemical Engineering
Vogt, R. E., ph.d., Physics
Vreeland, T., Jr., ph.d., Materials Science
Wales, D. B., ph.d., Mathematics
Walker, R. L., ph.d., Physics
Wasserburg, G. J., ph.d., Geology and Geophysics
Wayland, J. H., ph.d., Engineering Science
Weinberg, W. H., ph.d., Chemical Engineering
Westphal, J. A., b.s., Planetary Science
Whaling, W., ph.d., Physics
Whitham, G. B., ph.d., Applied Mathematics
Wilts, C. H., ph.d., Electrical Engineering
Wood, D. S., ph.d., Materials Science
Wu, T. Y.-T., ph.d., Engineering Science
Yariv, A., ph.d., Electrical Engineering
Zachariasen, F., ph.d., Theoretical Physics
Zirin, H., ph.d., Astrophysics
Zukoski, E. E., ph.d., Jet Propulsion
Zweig, G., ph.d., Theoretical Physics

CALIFORNIA INSTITUTE OF THE ARTS

24700 McBEAN PARKWAY,
VALENCIA, CALIFORNIA 91355

Established 1961; Schools of Art and Design, Music, Theatre, Dance, Film and Video.

President: Robert J. Fitzpatrick.

Number of teachers: 149.

Number of students: 650.

CALIFORNIA LUTHERAN COLLEGE

THOUSAND OAKS,
CALIFORNIA 91360

Telephone: (805) 492-2411.

Founded 1959.

President: Mark A. Mathews.

Vice-President for Academic Affairs: David E. Schramm.

Vice-President for Financial Affairs: A. D. Buchanan.

Vice-President for Development: Verlon C. Meyer.

Dean for Student Affairs: Ronald Kragthorpe.

Director of Admissions: Ronald Timmons.

Registrar: Alan Scott.

Librarian: Aina Abrahamson.

The library contains 85,182 vols.

Number of teachers: 80.

Number of students: 1,164.

CALIFORNIA STATE UNIVERSITY AND COLLEGES

400 GOLDEN SHORE,
CALIFORNIA 90802

Co-ordinating agency for 14 state universities and 5 state colleges.

Chancellor: Glenn S. Dumke.

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

SAN LUIS OBISPO,
CALIFORNIA 93407

Founded 1901.

President: R. E. Kennedy, M.A., PH.D.
Executive Vice-President: D. W. Andrews, M.A., PH.D.
Vice-President for Academic Affairs: Hazel J. Jones, M.A., ED.D.
Dean of Students: Russell H. Brown, M.A., PH.D.

The library contains 508,336 vols.
Number of teachers: 778.
Number of students: 14,941.

Publications: *Mustang Daily*, *Cal Poly Today* (4 times a year).

Deans:

School of Agriculture and Natural Resources: Howard C. Brown, M.S., PH.D.
School of Architecture and Environmental Design: G. J. Hasslein, F.A.I.A.
School of Business: Robert K. Coe, M.A., PH.D.
School of Communicative Arts and Humanities: J. M. Ericson, M.A., PH.D.
School of Engineering and Technology: Robert G. Valpey, M.S., PH.D.
School of Human Development and Education: C. C. Cummins, M.S., ED.D.
School of Science and Mathematics: William C. Langworthy, PH.D.
Division of Social Sciences: Warren W. DeLey, M.A., PH.D.

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA

3801 WEST TEMPLE AVE.,
POMONA, CALIFORNIA 91768

Telephone: (714) 598-4711.

Founded 1938.

President: Dr. Robert C. Kramer.
Registrar: Robert L. Losser.
Librarian: Harold F. Wells.

The library contains 290,000 vols.
Number of teachers: 687.
Number of students: 12,651.

Deans:

School of Agriculture: Tony J. Cunha.
School of Arts: Gertrude C. Boland.
School of Business: Reed M. Powell.
School of Engineering: Beaumont Davison.
School of Environmental Design: Frederick Koeper.
School of Science: Vincent Parker.
Teacher Preparation Center: Alvin H. Thompson.

CALIFORNIA STATE COLLEGE, BAKERSFIELD

9001 STOCKDALE HIGHWAY,
BAKERSFIELD,
CALIFORNIA 93309

Founded 1965.

Courses in Liberal Arts, Science, Mathematics and Nursing.

President: Dr. Jacob P. Frankel.
Vice-President: Dr. Philip M. Rice.
Dean for Administration: Dr. Kenneth Secor.
Dean of Students: Dr. George B. Hibbard.

Library of 190,000 vols.
Number of teachers: 150.
Number of students: 3,050.

CALIFORNIA STATE COLLEGE, DOMINGUEZ HILLS

CARSON,
CALIFORNIA 90747

Telephone: (213) 515-3300.

Founded 1960.

President: D. R. Gerth.
Vice-Presidents: D. J. Karber, D. A. MacPhee.
Registrar: K. Finlay.
Librarian: P. Wesley.

The library contains 210,000 vols.
Number of teachers: 310.
Number of students: 7,000.

Deans:

Humanities and Fine Arts: M. Laser.
Natural Sciences and Mathematics: R. B. Fischer.
Social and Behavioral Sciences: J. Fenton.
Education: G. R. Walker.
Management: M. Blyn.

CALIFORNIA STATE COLLEGE, STANISLAUS

TURLOCK, CALIFORNIA 95380

Telephone: (209) 633-2201.

Founded 1957.

President: Dr. Walter Olson.
Vice-President for Academic Affairs: Dr. Curtis R. Grant.
Director of Admissions: E. J. Aubert.
Librarian: R. D. Galloway.

The library contains 225,000 vols.
Number of teachers: 170.
Number of students: 3,500.

CALIFORNIA STATE UNIVERSITY, CHICO

CHICO, CALIFORNIA 95929

Telephone: (916) 895-6116.

Founded 1887.

President: Dr. Stanford Cazier.
Director of Admissions: R. Anderson.
Vice-President for Academic Affairs: Dr. Donald R. Gerth.
Vice-President for Administration: Dr. Myles Tracy.
Director, Area and Interdisciplinary Programs: Dr. Robert L. Fredenburg.

Deans:

Dean of Students: Dr. Abraham Baily.
School of Agriculture and Home Economics: Dr. Eldon Zicker.
School of Applied Sciences: Dr. William Lane.
School of Behavioral and Social Sciences: Dr. James Haehn.
School of Business: Dr. Paul Kinney.
School of Education: Dr. Arley Howsden.
School of Humanities and Fine Arts: Dr. Robert Souders.
School of Natural Sciences: Dr. Frank Pennington.
School of Health and Human Services: Mary Duren.
Graduate School: Dr. James Gregg.

The library contains 360,000 volumes.
Number of teachers: 750.
Number of students: 12,100

CALIFORNIA STATE UNIVERSITY, FRESNO

FRESNO, CALIFORNIA 93740

Telephone: 487-9011.

Founded 1911.

President: Norman A. Baxter.
Director of Admission and Records: K. Davies.
Librarian: H. M. Madden.

The library contains 550,000 vols.
Number of teachers: 730.
Number of students: 15,250.

CALIFORNIA STATE UNIVERSITY, FULLERTON

FULLERTON, CALIFORNIA 92634

Telephone: (714) 870-2011.

Founded 1957.

President: L. Donald Shields.
Registrar: J. B. Sweeney.
Library Director: E. W. Toy, Jr.

The library contains 460,641 vols.
Number of teachers: 752.
Number of students: 21,212.

CALIFORNIA STATE UNIVERSITY, HAYWARD

HAYWARD, CALIFORNIA 94542

Telephone: 881-3000.

Founded 1957.

President: Ellis E. McCune.

Director of Admissions: JUDITH HIRSCH.
Librarian: F. ERICKSON.

The library contains 575,000 vols.
Number of teachers: 679.
Number of students: 11,000.

CALIFORNIA STATE UNIVERSITY, LONG BEACH

1250 BELLFLOWER BLVD.,
LONG BEACH, CALIFORNIA 90840
Telephone: (213) 498-4111.

Founded 1949.

President: Dr. STEPHEN HORN.
Director of Admissions and Records: LEONARD KREUTNER.
Library Director: Dr. PETER SPYERS-DURAN.

The library contains 659,737 vols.
Number of teachers: 1,025 full-time, 746 part-time.
Number of students: 31,336.

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

5151 STATE UNIVERSITY DRIVE,
LOS ANGELES, CALIFORNIA 90032
Telephone: (213) 224-0111.

Founded 1947.

President: JOHN A. GREENLEE.
Director of Admissions and Records: W. F. LONG.
Librarian: M. POLAN.

The library contains 748,000 vols.
Number of teachers: 925 full-time, 475 part-time.
Number of students: 25,600.

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

18111 NORDHOFF STREET,
NORTHRIDGE, CALIFORNIA 91330
Telephone: 885-3777.

Founded 1958.

President: JAMES W. CLEARY.
Foreign Students Admissions Officer: T. E. SHARP.
Librarian: NORMAN TANIS.

The library contains 600,000 vols., 175,000 maps.
Number of teachers: 1,400.
Number of students: 27,000.

DEANS:

School of the Arts: R. HEIDSIEK.
School of Business Administration and Economics: J. ROBERTSON.
School of Communication and Professional Studies: E. WALLIS.
School of Education: A. LABUE.
School of Engineering and Computer Science: C. SANDERS.
School of Humanities: J. RICHFIELD.
School of Science and Mathematics: D. BIANCHI.
School of Social and Behavioral Sciences: W. KNOWLES.

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

6000 J ST., SACRAMENTO,
CALIFORNIA 95819
Telephone: (916) 454-6011.

Founded 1947.

President: JAMES G. BOND.
Director of Admissions and Records: D. ANDERSON.
Librarian: G. MARTIN.

The library contains 570,137 vols.
Number of teachers: 900.
Number of students: 20,700.

DEANS:

School of Arts and Sciences: DAVID BALLESTEROS.
School of Business and Public Administration: AUSTIN J. GERBER.
School of Education: JAMES R. NEAL.
School of Engineering: DONALD H. GILLOTT.
School of Social Work: JESSE F. MCCLURE.

CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

5500 STATE UNIVERSITY
PARKWAY, SAN BERNARDINO,
CALIFORNIA 92407
Telephone: (714) 887-7401.

Founded 1960.

Liberal Arts college with several applied programmes offering a broad range of first degrees, several teaching credentials and master degrees in selected fields.

President: J. M. PFAU, PH.D.
Vice-President for Academic Affairs: GERALD SCHERBA, PH.D.
Vice-President for Administration: JOSEPH K. THOMAS, ED.D.
Dean of Students: KENTON L. MONROE, PH.D.
Librarian: A. NELSON, M.A.L.S.

The library contains 237,027 vols.
Number of teachers: *c.* 171.
Number of students: 4,586.

CHAPMAN COLLEGE

333 NORTH GLASSELL STREET,
ORANGE, CALIFORNIA 92666
Telephone: (714) 997-6646.

Founded 1861.

President: G. T. SMITH.
Executive Vice-President, Academic Affairs and Dean of the College: DONALD R. BOOTH, PH.D.
Registrar: E. E. OWENS.
Director of Admissions: ANTHONY GARCIA.
Librarian: JANICE SHAWL.

The library contains 134,739 vols.
Number of teachers: 94 full-time, 50 part-time.
Number of students: 1,592.

CLAREMONT GRADUATE SCHOOL

10TH & COLLEGE,
CLAREMONT, CALIFORNIA 91711
Telephone: (714) 626-8511.

Founded 1925.

President: JOSEPH B. PLATT.
Dean of the Graduate School: PAUL A. ALBRECHT.
Librarian: P. BARKEY.

Number of teachers: 305 (including graduate faculty members from the Claremont Colleges).
Number of students: 1,578.

COLLEGE OF NOTRE DAME

RALSTON AVENUE,
BELMONT, CALIFORNIA 94002
Telephone: 593-1601.

Founded 1851; Chartered 1868.

President: Sister CATHARINE JULIE CUNNINGHAM.
Registrar: Sister MARIE ROBERT SEMPLE.
Director of Admissions: KRISTINE ZAVOLI.
Librarian: Sister JULIE BELLEFEUILLE.

The library contains 84,461 vols.
Number of teachers: 100.
Number of students: 1,132.

FRESNO PACIFIC COLLEGE

1717 SOUTH CHESTNUT AVE.,
FRESNO, CALIFORNIA 93702
Telephone: (209) 251-7194.

Founded 1944.

President: EDMUND JANZEN.
Dean of Academic Affairs: DALTON REIMER.
Registrar: Mrs. ADINA SCHMIDT.
Librarian: A. PAULS.

The library contains 54,298 vols.
Number of teachers: 40.
Number of students: 437 (day).

GOLDEN GATE UNIVERSITY

536 MISSION STREET,
SAN FRANCISCO,
CALIFORNIA 94105
Telephone: (415) 391-7800.

Founded 1901.

President: OTTO W. BUTZ.
Registrar: MICHAEL STUBLAREC.
Librarian: HAROLD KORF.

The library contains 250,000 vols.
Number of teachers: 800.
Number of students: 9,100.

HARVEY MUDD COLLEGE

KINGSTON HALL, CLAREMONT,
CALIFORNIA 91711
Telephone: (714) 621-8120.

Founded 1955.

Courses in science and engineering.

President: D. K. BAKER.

Registrar: N. Kruger.
Dean of Faculty: B. S. Tanenbaum.
Dean of Students: W. Gann.
Dean of Admission: E. R. Walker.
Library Director: Patrick Barkey.

The library contains 855,000 vols. (shared with the Claremont Colleges).
Number of teachers: 55.
Number of students: 472.

HOLY NAMES COLLEGE

3500 MOUNTAIN BOULEVARD,
OAKLAND, CALIFORNIA 94619
Telephone: (415) 436-0111.

Founded 1868.

Four-year, co-educational liberal arts college.

President: Sister Irene Woodward.
Director of Admissions: Miss Shelley Pighen.
Academic Dean: Mrs. Grace H. Larsen.
Graduate Dean: Sister Mary Anne Thatcher.
Librarian: Sister Helen Clare Howatt.

The library contains 90,000 vols.
Number of teachers: 99.
Number of students: 619.

HUMBOLDT STATE UNIVERSITY

ARCATA, CALIFORNIA 95521
Telephone: (707) 826-3011.

Founded 1913.

President: Dr. Alistair W. McCrone.
Dean of Admissions and Records: Dr. R. A. Anderson.
Librarian: David K. Oyler.

The library contains 235,000 vols.
Number of teachers: 402.
Number of students: 7,500.

IMMACULATE HEART COLLEGE

2021 NORTH WESTERN AVE.,
LOS ANGELES,
CALIFORNIA 90027
Telephone: 462-1301

Founded 1916.

President: Dr. Nancy Whittier Heer.
Vice-President: Dr. Mary Jean Pew.
Registrar: Teri Palmer.
Librarian: Elizabeth Keith.
Academic Dean: Dr. Mary Jean Pew.
Dean of the School of Music: Dr. John Ringgold.

The library contains 150,000 vols.
Number of teachers: 69.
Number of students: 700.

LOMA LINDA UNIVERSITY

LOMA LINDA, CALIFORNIA 92354
Telephone: 796-7311 and 785-2000

Founded 1905.

President: V. Norskov Olsen, Ph.D., Dr.Theol.
Vice-Presidents: Norman J. Woods, Ph.D., Tracy R. Teele, M.Ed., George G. O'Brien, Ph.D., Robert J. Radcliffe, C.G.A., Harrison S. Evans, M.D., Donald G. Prior, M.A., Ed.S.
Director, Admissions and Records: Arno Kutzner, Ph.D.
Director of Libraries: G. V. Summers. Ph.D.

The libraries contain 343,458 vols. and periodicals.

Number of teachers: 1,500.
Number of students: 5,033.

Publications: Bulletins, Handbooks, *University Scope, Criterion, University Observer, Adventist Heritage.*

Deans:

College of Arts and Sciences: Ivan G. Holmes, Ph.D.
School of Health: James M. Crawford, D.D.S., M.P.H.
School of Education: W. H. Meier, Ed.D.
School of Medicine: G. Gordon Hadley, M.D.
School of Dentistry: Judson Klooster, D.D.S.
Graduate School: Norman J. Woods, Ph.D.
School of Nursing: Marilyn Christian, Ed.D.
School of Allied Health Professions I. C. Woodward, Ph.D.

LOYOLA MARYMOUNT UNIVERSITY

7101 WEST 80 STREET,
LOS ANGELES, CALIFORNIA 90045
Telephone: (213) 642-2700.

Founded 1911.

Founded by Vincentian Fathers as St. Vincent's College 1865, taken over by Jesuit Fathers 1911, name changed to Loyola College 1918, Loyola Univ. and Marymount College merged 1973.

President: Rev. Donald Merrifield, S.J.
Academic Vice-President: Rev. J. W Clark, S.J.
Vice-President for Student Affairs: Thomas E. Quinlan.
Provost: Sr. Renee Harrangue, R.S.H.M.
Vice-President for University Relations: Kenneth J. Daponte.
Registrar: Catherine F. Emenaker
Director of Admissions: M. L L'Heureux.

The library contains 176,000 vols.
Number of teachers: 293.
Number of students: 4,867.

Deans:

Business: R. L. Williamson, Ph.D.
Science and Engineering: Dr. J. E. Foxworthy, Ph.D.
Law: F. J. Lower, Jr.
Liberal Arts: Dr. T. Erlandson, Ph.D.
College of Fine and Communication Arts: Dr. C. M. Davidson, Ph.D.
Graduate Division: Rev. R. Trame, S.J., Ph.D.

MILLS COLLEGE

OAKLAND, CALIFORNIA 94613

Founded as a Seminary 1852, as a College 1885.

President: Barbara M. White.
Dean of the Faculty: Edward T. LeFevour.
Director of Student Services: Dorothy Keller.
Director of Graduate Studies: Edward J. Milowicki.
Librarian: Laura L. Blomquist.

The library contains 175,000 vols.

Number of teachers: 112.
Number of students: 1,018.

Publications: *The Mills Stream, The Crest* (annually), *Bulletin of Mills College, Mills Quarterly* (alumnae).

MONTEREY INSTITUTE OF FOREIGN STUDIES

425-440 VAN BUREN ST.,
MONTEREY, CALIFORNIA 93940

Founded 1955.

President: Dr. Jack Kolbert.
Academic Dean: Dr. Claude Buss.
Dean of Admissions and Records: George A. Williams.
Dean of Programs: Dr. L. B. Shoob.
Director of Non-Traditional and Summer Programs: Dr. Ovidio Fuente.
Director of the Library: Dr. Eva I A. Schroeder.

The library contains 39,000 vols.
Number of students: 475.

MOUNT ST. MARY'S COLLEGE

12001 CHALON ROAD,
LOS ANGELES, CALIFORNIA 90049
Telephone: (213) 476-2237.

Founded 1925.

President: Sister Magdalen Coughlin.
Dean of Academic Development: Rev. Matthew Delaney.
Registrar: Sister Patricia Mary Dugan.
Director of Admissions: Miss Helen Hawekotte.
Librarian: Deirdre Ford.

The library contains 124,100 vols.
Number of teachers: 120.
Number of students: 1,100.

Doheny Campus: 10 Chester Place, Los Angeles, California 90007; Tel. (213) 476-0450; f. 1962.

Graduate and Extended Day Programs: Sister Mary Williams.
Associate in Arts Degree Program: Sister Margaret Anne Vonderahe.

NORTHROP UNIVERSITY

1155 W. ARBOR VITAE STREET, INGLEWOOD, CALIFORNIA 90306

Telephone: (213) 776-3410.

Founded 1942.

President: B. J. Shell.
Director of Admissions and Records: Alvin P. Ross.
Librarian: Chere Negaard.

The library contains 190,000 volumes.
Number of teachers: 95.
Number of students: 1,650.

Includes: College of Engineering, School of Business and Management, School of Law and Aviation Technician School. Programs leading to Associate, Bachelor and Master degrees; the Law School offers a Juris Doctor degree.

OCCIDENTAL COLLEGE

LOS ANGELES, CALIFORNIA 90041

Founded 1887.

President: Richard C. Gilman, ph.d., ll.d., l.h.d.
Dean of the Faculty: Otis H. Shao, m.a., ph.d.
Registrar: James F. Menzel, m.a.
Dean of Students: Benjamin H. Culley, ed.d.
Dean of Admissions: John A. Williams, a.b.

The library contains 300,000 vols.
Number of teachers: 112 full-time, 30 part-time.
Number of students: 1,750.

OTIS ART INSTITUTE OF LOS ANGELES COUNTY

2401 WILSHIRE BOULEVARD, LOS ANGELES, CALIFORNIA 90057

Telephone: (213) 387-5288.

Founded 1918.

President: Gurdon Woods.
Dean of the College: Peter Clothier.
Gallery Director: Hal Glicksman.
Registrar: Pamela Wiget.

The library contains 15,000 volumes.
Number of teachers: 35.
Number of students: 680.

PACIFIC OAKS COLLEGE

PASADENA, CALIFORNIA 91103

Telephone: (213) 795-9161.

Founded 1945.

President: Dr. Edward Joseph Shoben.
Registrar: Joanne Jones.
Dean of Academic Programs: Karen Fite.
Dean of Students: Vivian Holland.
Librarian: Cheryl Hadley.

The library contains 20,000 vols.
Number of teachers: 35.
Number of students: 400.

PACIFIC UNION COLLEGE

ANGWIN, CALIFORNIA 94508

Founded 1882.

President: J. W. Cassell, Jr., ph.d.
Dean: Gordon Madgwick, ph.d.
Registrar: Howard O. Hardcastle, ed.d.
Business Manager: R. A. Strickland, b.s.
Chief Librarian: Clarence Sletwick, m.l.s.

The library contains 140,000 vols.

Number of teachers: 155.

Number of students: 1,150 men, 1,150 women, total 2,300.

Publications: *College Bulletin*, *Student Handbook*, *P.U.C. Viewpoint* (quarterly).

PEPPERDINE UNIVERSITY

MALIBU, CALIFORNIA 90265

Founded 1937 as college, attained university status 1970.

President: William S. Banowsky.
Chancellor: M. Norvel Young.
Executive Vice-President: H. A. White.
Librarian: Mrs. D. Moore.

The library contains 356,300 vols.

Number of teachers: 209 full-time, including 64 professors.

Number of students: 8,185.

Publications: *Pepperdine News* (monthly), *Pepperdine People* (quarterly).

PITZER COLLEGE

MILLS AVE., CLAREMONT, CALIFORNIA 91711

Telephone: (714) 621-8000.

Founded 1963.

President: James Jamieson (acting).
Registrar: Mrs. A. Maberry.
Librarian: Patrick Barkey.

The library contains 440,000 volumes.
Number of teachers: 70.
Number of students: 760.

POMONA COLLEGE

SUMNER HALL, CLAREMONT, CALIFORNIA 91711

Founded 1887.

President: David Alexander, d.phil.
Vice-President and Dean: R. T. Voelkel, th.d.
Associate Dean: R. Stanton Hales, m.a., ph.d.
Vice-President for Student Affairs: Jean B. Walton, m.a., ph.d.
Dean of Admissions: J. E. Quinlan, m.s., ph.d.
Registrar: M. Armstrong, m.a.

The library contains 950,000 vols.
Number of teachers: 129.
Number of students: 1,300.

Publication: *Bulletin* (6 a year).

ST. JOHN'S COLLEGE

5118 E. SEMINARY RD., CAMARILLO, CALIFORNIA 93010

Telephone: 482-2755.

Founded 1927.

President: Rev. James M. Galvin, c.m.
Registrar: Rev. George Weber, c.m.
Librarian: Sister M. Ruth, i.h.m.

The library contains 33,000 vols.

Number of teachers: 14.
Number of students: 248.

ST. MARY'S COLLEGE OF CALIFORNIA

MORAGA, CALIFORNIA 94575

Telephone: (415) 376-4411.

Founded 1863.

Colleges of Liberal Arts, Science and Economics; Graduate programs in Theology, Education and Business.

President: Brother Mel Anderson, f.s.c.

Registrar: Barbara Burton, m.a.

Librarian: Bro. Casimir Reichlin, f.s.c., m.s.

The library contains 120,000 vols.
Number of teachers: 120.
Number of students: 1,800.

SAN DIEGO STATE UNIVERSITY

SAN DIEGO, CALIFORNIA 92182

Telephone: (714) 286-5200.

Founded 1897.

President: Thomas B. Day.

Vice-President, Academic Affairs: A. W. Johnson (acting).

Director of University Affairs: Paul Steen (acting).

Chairman of Senate: Carey G. Wall.

Dean of Admissions and Records: Frank A. Medeiros.

Dean of Students: Daniel B. Nowak.

Librarian: L. A. Kenney.

Number of teachers: 1,133 full-time, 719 part-time, total 1,852.
Number of students: 33,000 undergraduate and graduate.

Publications: *El Campanario* (Alumni Magazine), *The Aztec Engineer*, *Business Inquiry*.

Deans:

Business Administration: R. P. Hungate.

Engineering: G. L. Martin.

Arts and Letters: Frank Marini.

Education: Tomas A. Arciniega.

Graduate Studies: James W. Cobble.

Social Work: H. Butler.

Professional Studies: Jerry Mandel.

Sciences: Donald R. Short (acting).

SAN FRANCISCO CONSERVATORY OF MUSIC

1201 ORTEGA STREET,
SAN FRANCISCO,
CALIFORNIA 94122
Telephone: 564-8086.

Founded 1917.

President: Milton Salkind.
Dean: Richard Howe.
Admissions Officer: Mrs. Colleen Katzowitz.

The library contains 15,000 vols. and scores, 5,200 audio-visual titles.

Number of teachers: 65.
Number of students: 180.

SAN FRANCISCO STATE UNIVERSITY

SAN FRANCISCO,
CALIFORNIA 94132

Founded 1899.

President: Dr. Paul F. Romberg.
Provost: Dr. Donald Garrity.
Vice-President for Administrative Affairs: Dr. Konnilyn Feig.
Comptroller: A. L. Leidy.
Director of Admissions and Records: Dr. Charles A. Stone.
Dean of Faculty Affairs: Dr. L. Ianni.
Dean of Students: Dr. L. L. Kroeker.
Librarian: Dr. Frank A. Schneider.

The library contains 508,500 vols.

Number of teachers: 1,450.
Number of students: 24,335.

SAN JOSÉ STATE UNIVERSITY

125 SOUTH SEVENTH STREET,
SAN JOSE, CALIFORNIA 95192
Telephone: (408) 277-2257.

Founded 1857.

President: Dr. Gail Fullerton.
Director, Admissions and Records: Clyde B. Brewer.
Library Director: Harold Olsen.

The library contains 700,000 vols.

Number of teachers: 1,570.
Number of students: 26,358.

SCRIPPS COLLEGE

10TH AND COLUMBIA,
CLAREMONT, CALIFORNIA 91711
Telephone: (714) 621-8149.

Founded 1926.

President: John H. Chandler.
Registrar: Betty B. Hare.
Director of Admissions: Janet E. Hill.
Librarian: Miss Judy B. Harvey-Sahak.

Library: 82,000 vols. in Denison Library, Scripps College; 825,000 vols. in the Honnold Library of The Claremont Colleges.

Number of teachers: 65.
Number of students: 600.

SONOMA STATE COLLEGE

1801 EAST COTATI AVENUE,
ROHNERT PARK,
CALIFORNIA 94928
Telephone: (707) 664-2880.

Founded 1960.

President: Peter Diamandopoulos.
Registrar: F. H. Jorgensen.
Dean of Admissions, Records, Relations with Schools, and Financial Aid: P. Scott Anderson.
Librarian: Ruth Hafter.

The library contains 260,000 vols., 35,000 periodicals.

Number of teachers: 274 (full-time), 99 (part-time).
Number of students: 4,700.

SOUTHERN CALIFORNIA COLLEGE

COSTA MESA, CALIFORNIA 92626
Telephone: (714) 545-1178.

Founded 1920.

President: Emil A. Balliet.
Academic Dean: Russell P. Spittler.
Librarian: Kenneth Tracy.

The library contains 45,000 vols.

Number of teachers: 33.
Number of students: 642.

SOUTHERN CALIFORNIA COLLEGE OF OPTOMETRY

2001 ASSOCIATED ROAD,
FULLERTON, CALIFORNIA 92631

Founded 1904.

President: R. L. Hopping, O.D.
Dean: Douglas Poorman, Ph.D.
Comptroller: Robert Baird, C.P.A.
Librarian: Mrs. P. Carlson, M.S.L.S.

The library contains 8,000 vols.

Number of teachers: 84.
Number of students: 410.

Publications: *The Alumniscope, The Reflex* (annual).

STANFORD UNIVERSITY

STANFORD, CALIFORNIA 94305
Telephone: (415) 497-2300.

Founded 1885.

President: R. W. Lyman.
Vice-President and Provost: W. F. Miller.
Academic Secretary: Eric Hutchinson.
Dean of Admissions: Fred A. Hargadon.
Dean of Student Affairs: James W. Lyons.
Registrar: Sally Mahoney.
Libraries Director: D. C. Weber.

Library: *see* Libraries.

Number of teachers: 2,563, including 507 full professors.
Number of students: 11,692.

Publications: *Stanford Law Review, Stanford Observer* (8 a year), *Alumni Almanac* (quarterly).

Deans:

Graduate School of Business: Arjay R. Miller.
School of Earth Sciences: R. H. Jahns.
School of Education: A. P. Coladarci.
School of Engineering: W. Kays.
School of Humanities and Sciences: Halsey L. Royden.
School of Law: Charles J. Meyers.
School of Medicine: C. Rich, M.D.
Food Research Institute: W. P. Falcon (Director).
Hoover Institution: W. G. Campbell (Director).
Physical Education and Athletics: J. H. Ruetz (Director).

Professors:

Abbott, D. P., Biology
Abbott, Isabella A., Biology
Acrivos, A., Chemical Engineering
Adams, J. L., Mechanical Engineering
Agras, W. S., Psychiatry
Alegría, F., Spanish
Amemiya, T., Economics
Amsterdam, A. G., Law
Anderson, T. W. Jr., Statistics and Economics
Andersson, T. M., German
Angell, J. B., Electrical Engineering
Ashley, H., Aeronautics and Astronautics
Atkinson, R. C., Psychology and Education
Babcock, Barbara, Law
Bach, G. L., Economics and Public Policy
Baganoff, D., Aeronautics and Astronautics
Bagshaw, M. A., Radiology
Baldwin, R. L., Biochemistry
Ballam, J., Stanford Linear Accelerator Center
Bandura, A., Social Sciences
Barchos, J., Psychiatry
Barkan, P., Mechanical Engineering
Barnett, W. G., Law
Barton, J. H., Law
Bates, C. W., Materials Science and Engineering
Baum, D., Paediatrics
Baxter, W. F., Law
Baylor, D. A., Neurobiology
Beaver, W. H., Accounting
Befu, H., Anthropology
Bem, D. J., Psychology
Bensch, K. G., Pathology
Berg, P., Biochemistry
Berg, P. W., Mathematics
Berger, J., Sociology
Bernfield, M. R., Paediatrics
Bershader, D., Aerophysics
Bienenstock, A. I., Applied Physics, Materials Science and Engineering
Bjorken, J. D., Stanford Linear Accelerator Center
Blank, N., Radiology
Blankenbecler, R., Stanford Linear Accelerator Center
Bonner, W. A., Chemistry
Boudart, M. J., Chemical Engineering and Chemistry
Bower, G. H., Psychology
Boyle, C. K., Art
Bracewell, R. N., Electrical Engineering
Brauman, J. J., Chemistry
Breakwell, J. V., Aeronautics and Astronautics
Breitrose, H. S., Communication
Brest, P. A., Law
Bridges, E. M., Education
Briggs, W. R., Biology
Brigham, W., Petrol Engineering
Brodsky, S., Stanford Linear Accelerator Center

BRODY, R. A., Political Science
BROWN, B. W., Jr., Biostatistics
BRYSON, A. E., Jr., Engineering
BUBE, R. H., Materials Science
BUNEMAN, O., Electrical Engineering
BUNKER, J. P., Anaesthesia
BUSH, R. N., Education
CALFEE, R. C., Education and Psychology
CAMPBELL, A. M., Biology
CANN, H., Paediatrics and Genetics
CAPELLETTI, M., Law
CARNOCHAN, W. B., English
CARNOY, M., Education
CASTANEDA, A., Education
CAVALLI-SFORZA, L. L., Genetics
CHANG, I. D., Aeronautics and Astronautics
CHAO, C. C., Aeronautical Engineering
CHASE, R. A., Surgery
CHILTON, E. G., Mechanical Engineering
CHODOROW, M., Applied Physics and Electrical Engineering
CHOW, K. L., Medicine
CHOWNING, J. M., Music
CHUNG, K. L., Mathematics
CLAERBOUT, J. F., Geophysics
CLARK, H. H., Psychology
CLAYTON, R. B., Biochemistry in Psychiatry
CLEBSCH, W. A., Religion and Humanities
CLOUGH, G. W., Civil Engineering
COHEN, A., Music
COHEN, B. P., Sociology
COHEN, E. G., Education
COHEN, E. N., Anaesthesia
COHEN, P. J., Mathematics
COHEN, S. N., Medicine
COHEN, W., Law
COHN, R. G., French
COLADARCI, A. P., Education and Psychology
COLE, W., Speech and Drama
COLLINS, J. A., Surgery
COLLMAN, J. P., Chemistry
COMPTON, R. R., Geology
CONNOLLY, T. J., Mechanical Engineering
COOTNER, P. H., Finance (G.S.B.)
COTTLE, R. W., Operations Research
COVER, T. M., Electrical Engineering and Statistics
COX, A. V., Geophysics
CRAIG, G. A., Humanities
CRAWFORD, F. W., Electrical Engineering
CREGER, W. P., Medicine
CRONBACH, L. J., Education and Psychology
CROWLEY, L. G., Surgery
CUTLER, C. C., Applied Physics
CUTLER, R. W. P., Neurology
DALLIN, A., History and Political Science
DANTZIG, G. B., Transportation Sciences
DAVID, P. A., Economics
DAVIE, D. A., English
DAVIS, R. T., Marketing—Graduate School of Business
DE BRA, D. B., Aeronautics and Astronautics
DEGLER, C. N., American History
DEKKER, G. G., English
DeLEEUW, K., Mathematics
DEMENT, W. C., Psychiatry
DEMSKI, J. S., Information and Accounting
DICKINSON, W. R., Geology
DICKSON, F. W., Geology
DIEN, A. E., Chinese
DJERASSI, C., Chemistry
DONIACH, S., Applied Physics
DORFMAN, R. F., Pathology
DORNBUSCH, S. M., Sociology
DOUGLAS, JAMES, Civil Engineering
DREKMEIER, C., Political Science
DRELL, S. D., Stanford Linear Accelerator Center
DUNN, D. A., Engineering
DUUS, P., History
EASTMAN, R. H., Chemistry
EAVES, B. C., Operations Research
EDWARDS, M., Classics
EFRON, B., Statistics
EHRLICH, P. R., Biology
EHRLICH, T., Law
EISNER, E. W., Education and Art
EITNER, L. E. A., Fine Arts
ELSEN, A., Art History
ENTHOVEN, ALAIN, Public and Private Management
EPEL, D., Biology
ESHLEMAN, V. R., Electrical Engineering
ESSLIN, M., Drama
EULAU, H., Political Science (G.S.B.)
EUSTIS, R., H. Mechanical Engineering
EVANS, J. M., English
EVITT, W. R., Geology
FAGEN, R. R., Political Science
FAINSTAT, T., Gynaecology and Obstetrics
FAIRBANK, W. M., Physics
FALCON, W. P., Economics
FARBER, EUGENE M., Dermatology
FARQUHAR, J. W., Medicine
FEDERMAN, D. D., Medicine
FEFERMAN, S., Mathematics and Philosophy
FEHRENBACHER, D. E., American History
FEIGEN, G. A., Physiology
FEIGENBAUM, E. A., Computer Science
FELDMAN, M. W., Biology
FERGUSON, C. A., Linguistics
FERZIGER, J. H., Mechanical Engineering
FETTER, A. L., Physics
FIDO, F., Italian
FIFER, C. N., English
FINN, R., Mathematics
FLAVELL, J., Psychology
FLOYD, R. W., Computer Science
FLYNN, MICHAEL, Electrical Engineering
FOLLESDAL, D., Philosophy
FONDAHL, J. W., Civil Engineering
FORSTER, K. W., Art
FRAKE, C. O., Anthropology
FRANCO, J., Spanish and Portuguese
FRANKLIN, G. F., Electrical Engineering
FRANKLIN, M. A., Law
FRANZINI, J. B., Civil Engineering
FRIEDENTHAL, J. H., Law
FRIEDMAN, L. M., Law
FUCHS, V. R., Economics
FUHRMAN, F. A., Experimental Medicine
GAGE, N. L., Education
GANESAN, A. T., Genetics
GANZ, L., Psychology
GEBALLE, T. H., Applied Physics and Materials Science
GELPI, A. J., English
GEORGE, A. L., Political Science
GERE, J. M., Civil Engineering
GERMANE, G. E., Transportation and Logistics, Graduate School of Business
GEROW, B. A., Anthropology
GIBBONS, J. F., Electrical Engineering
GIBBS, J. L., Jr., Anthropology
GIBSON, C. D., Community and Preventive Medicine
GICOVATE, B., Spanish
GILBARG, D., Mathematics
GILLESPIE, G., German
GILMAN, F. J., SLAC
GIRARD, R. A., Law
GIRAUD, R., French
GOLDSTEIN, A., Pharmacology
GOLDSTEIN, P. L., Law
GOLUB, G. H., Computer Science
GONDA, T. A., Psychiatry
GOOD, E. M. Religion and Classics
GOODE, W. J., Sociology
GOODMAN, J. W., Electrical Engineering
GOULD, W. B., Law
GOVAN, D. E., Surgery
GRAY, R. W., Commodity Price Studies
GREEN, P. B., Biology
GREENBERG, J. H., Social Sciences
GREY, T. C., Law
GROSS, R. E., Education
GROSS, RUTH T., Paediatrics
GUERARD, A. J., Literature
GULEVICH, G., Psychiatry
GUNTHER, G., Law
GURLEY, J. G., Economics
HACKING, I., Philosophy
HAMBURG, D. A., Human Biology
HANAWALT, P. C., Biology
HANBERY, J. W., Surgery
HANCOCK, E. W., Medicine
HANNA, S. S., Physics
HANSCH, T. W., Physics
HARBAUGH, J. W., Geology
HARMAN, W. W., Electrical Engineering
HARRIS, D. J., Economics
HARRIS, S. E., Electrical Engineering
HARRISON, D. C., Medicine
HARRISON, J. M., Business
HARRISON, W. A., Applied Physics
HARVEY, V. A., Religious Studies
HASTORF, A. H., III ,Psychology
HAUSMAN, W., Industrial Engineering
HAWLEY, N. S., Mathematics
HEINRICHS, W. L., Gynaecology and Obstetrics
HELLIWELL, R. A., Electrical Engineering
HERRING, W. C., Applied Physics
HERRIOT, J. G., Computer Science
HERRMANN, G., Applied Mechanics and Civil Engineering
HERZENBERG, L. A., Genetics
HESS, R. D., Child Education
HESTER, R. M., French
HICKMAN, B. G., Economics
HILLIER, F. S., Operations Research
HINTIKKA, K. J. J., Philosophy
HOFSTADTER, R., Physics
HOGAN, W. W., Engineering-Economics
HOGNESS, D. S., Biochemistry
HOLLISTER, L. E., Medicine
HOLM, R. H., Chemistry
HOLM, R. W., Biology
HOLMAN, H. R., Medicine
HORN, R. A., Political Science
HORNGREN, C. T., Accounting (G.S.B.)
HOROWITZ, L., Psychology
HORSLEY, I., Music
HOULE, G. L., Music
HOWARD, D. R., English
HOWARD, R. A., Engineering—Economic Systems
HOWELL, J. E., Economics, Graduate School of Business
HSU, E. Y., Civil Engineering
HUGGINS, R. A., Materials Science
HULTENG, J. L., Communication
HULTGREN, H. N., Medicine
HUTCHINSON, E., Chemistry
IGLEHART, D. L., Operations Research
IKE, N., Political Science
INKELES, A., Education
IRESON, W. G., Industrial Engineering
JACOBSTEIN, J. M., Law Librarian and Professor of Law
JAEDICKE, R. K., Accounting (G.S.B.)
JAHNS, R. H., Geology
JAMESON, M. H., Classics
JARDETZKY, O., Pharmacology
JOHNS, M. V., Jr., Statistics
JOHNSON, W. S., Chemistry
JOHNSTON, B. F. Food Research Institute
JOHNSTON, J. P., Mechanical Engineering
JONES, H. H., Radiology
JOSLING, T. E., Food Research Institute
JUILLAND, A. G., French
KAHN, M. S., Art
KAILATH, T., Electrical Engineering
KAISER, A. D., Biochemistry
KALLMAN, R. F., Radiology
KALMAN, S. M., Pharmacology
KANE, T. R., Applied Mechanics and Mechanical Engineering
KAPLAN, H. S., Medicine
KAPLAN, J., Law

Karamcheti, K., Aeronautics and Astronautics
Karlin, S., Mathematics
Katchadourian, H. A., Psychiatry
Kays, W. M., Mechanical Engineering
Kempson, R. L., Pathology
Kennedy, D., Human Biology
Keohane, R. O., Political Science
Kino, G. S., Electrical Engineering
Kirk, D., Population Studies
Kline, S. J., Mechanical Engineering
Knuth, D. E., Computer Science
Kopell, B., Psychiatry
Korn, D., Pathology
Kornberg, A., Medical Sciences
Kornberg, R. D., Structural Biology
Kovach, R. L., Geophysics
Kreisel, G., Logic and Mathematics
Kretchmer, N., Paediatrics
Krier, J. E., Law
Kriss, J. P., Radiology and Medicine
Kruger, C. H., Mechanical Engineering
Kruger, P., Civil Engineering
Krumboltz, J. D., Education and Psychology
Kuhn, W. E., Music and Education
Kurz, M., Economics
Langmuir, G. I., History
Larson, C. P., Anaesthesia
Lau, L. J. Y., Economics
Leavitt, H. J., Organizational Behavior and Psychology (G.S.B.)
Lee, E. H., Applied Mechanics and Aeronautics and Astronautics
Lehman, I. R., Biochemistry
Leiderman, P. H., Psychiatry
Leith, D. W. G. S., Stanford Linear Accelerator Center
Levin, H. M., Education
Levine, H., Mathematics
Levine, S., Psychology in Psychiatry
Lewis, J. W., Chinese Politics
Li, V., International Studies
Lieberman, G. J., Statistics and Operations Research
Lindenberger, H. S., Humanities
Linvill, J. G., Electrical Engineering
Linvill, W. K., Engineering Economic Systems
Lipset, S. M., Political Science and Sociology
Little, W. A., Physics
Litzenberger, R. H., Business
Liu, J. J., Chinese
Lobdell, F., Art
Loftis, J., English
Lohnes, W. F. W., German
London, A. L., Mechanical Engineering
Luenberger, D. G., Engineering-Economic Systems
Luetscher, J. A., Jr., Medicine
Luth, W. C., Geology
Luzzatti, L., Pediatrics
Lyman, R. W., History
Lyon, R. J. P., Earth Sciences
Lyons, C. R., Dramatic Literature
Macovski, A., Electrical Engineering
McCarthy, J., Computer Science
McCarty, P. L., Civil Engineering
McCluskey, E. J., Electrical Engineering and Computer Science
McConnell, H. M., Chemistry
McDevitt, H. O., Medicine
McDonald, J. G., Finance, (G.S.B.)
McGregor, J. L., Mathematics
McKim, R. H., Mechanical Engineering
McKinnon, R. I., Economics
McMahan, U. J., Neurobiology
McWhorter, M. M., Electrical Engineering
Maccoby, E., Psychology
Madix, R. J., Chemical Engineering
Maffly, R. H., Medicine
Manley, J. F., Political Science
Mann, J. K., Law
Manne, A. S., Economics and Operations Research
Manning, L. A., Electrical Engineering
Mansour, T. E., Pharmacology
March, J. G., Political Science and Sociology
Mark, J. B. D., Surgery
Marsden, S. S., Jr., Petroleum Engineering
Marshall, H. R., Political Science
Mason, D. M., Chemical Engineering
Massy, W. F., Business Administration
Mayers, J., Aeronautical Engineering
Mayhew, L. B., Education
Mazze, R. I., Anaesthesia
Meier, G. M., International Economics, Graduate School of Business
Meindl, J. D., Electrical Engineering
Merigan, T. C., Jr., Medicine
Merryman, J. H., Law
Meyer, J. W., Sociology
Meyerhof, W. E., Physics
Meyers, C. J., Law
Milgram, R. J., Mathematics
Miller, A. R., Management (G.S.B.)
Miller, D. C., Art
Miller, J. R., III, Business Administration
Miller, R. G., Jr., Statistics
Miller, W. F., Computer Science
Mischel, W., Psychology
Mitchner, M., Mechanical Engineering
Moffat, R. J., Mechanical Engineering
Momaday, M. S., English
Mommsen, K., German
Montgomery, D. B., Management
Mooney, H. A., Biology
Moos, R. H., Psychology in Psychiatry
Moravcsik, J .M., Philosophy
Morse, R. M., History
Moser, T. C., English
Moses, L. E., Statistics and Preventive Medicine
Mosher, H. S., Chemistry
Mozley, R. F., Stanford Linear Accelerator Center
Mueller-Volmer, K., German
Muth, R. F., Economics
Nagel, D. A., Surgery
Nanney, H. B., Music
Nelsen, T. S., Surgery
Nelson, L. M., Communication
Newman-Gordon, P., French
Nicholls, J. G., Physiology
Nivison, D. S., Chinese and Philosophy
Nix, W. D., Materials Science
Nixon, J. E., Education and Physical Education
North, R. C., Political Science
Northway, W. H., Radiology and Paediatrics
Noyes, H. P., Stanford Linear Accelerator Center
Oberhelman, H. A., Jr., Surgery
Oliveira, N., Art
Olkin, I., Statistics and Education
Ornstein, D., Mathematics
Osserman, R., Mathematics
Oxley, G. M., International Business, Graduate School of Business
Paffenbarger, R. S., Medicine
Panofsky, W. K. H., Stanford Linear Accelerator Center
Pantell, R. H., Electrical Engineering
Paret, P., History
Parker, E. B., Communication
Parker, H. W. Civil Engineering
Parks, G. A., Mineral Engineering
Parlee, N. A. D., Extractive Metallurgy
Pecora, R., Chemistry
Perkins, D. D., Biology
Perl, M. L., Stanford Linear Accelerator Center
Perry, J., Philosophy
Peterson, A. M., Electrical Engineering
Phillips, J. H. Jr., Biology
Phillips, R., Mathematics
Pittendrigh, C. S. Biology
Politzer, R. L., Education and Romance Linguistics
Porterfield, J. T. S., Finance, Graduate School of Business
Pound, G. M., Materials Science
Pribram, K. H., Psychiatry and Psychology
Prince, D. A., Neurology
Prosser, E., Dramatic Literature and Criticism
Quate, C. F., Applied Physics and Electrical Engineering
Rabin, R. L., Law
Ramey, H. J., Petroleum Engineering
Ratner, L. G., Music
Raubitschek, A. E., Humanities
Ray, M. L., Marketing
Ray, P. M., Biology
Reaven, G. M., Medicine
Rebholz, R., English
Regnery, D. C., Biology
Remington, J. S , Medicine
Remson, I., Geology
Reynolds, C. W., Food Research Institute
Reynolds, W. C., Mechanical Engineering
Rich, C., Medicine
Richards, C. W., Civil Engineering
Richter, B., Stanford Linear Accelerator Center
Ritson, D. M., Physics
Rivers, W. L., Communication
Robertson, C. R., Chemical Engineering
Robertson, W. van B., Biochemistry in Paediatrics
Robin, E., Medicine and Physiology
Robinson, W. S., Medicine
Rogers, E. M., Communication
Roggeveen, V. J., Civil Engineering
Rosenberg, N., Economics
Rosenberg, S. A., Medicine and Radiology
Rosenhan, D., Law and Psychology
Rosse, J. N., Economics
Roth, B., Mechanical Engineering
Rowen, H. S., Public Management
Royden, H. L., Mathematics
Rubinstein, L. J., Pathology
Ruotolo, L. P., English
Russell, D. A., Drama
Ryan, L. V., English
Samelson, H., Mathematics
Sartori, G., Political Science
Schawlow, A. L. , Physics
Schimke, R. T., Pharmacology and Biology
Schrader, H. W., Drama
Schrier, S. L., Medicine
Schubert, E. D., Speech and Hearing Sciences
Schulman, I., Paediatrics
Schwartz, H. C., Paediatrics
Schwartz, M., Physics
Schwerdt, C. E., Medical Microbiology
Schwettman, H. A., Physics
Scott, K. E., Law
Scott, W. R., Sociology
Scowcroft, R. P., English
Serbein, O. N., Jr., Insurance, Graduate School of Business
Shah, H. C., Civil Engineering
Sharpe, W. F., Finance (G.S.B.)
Sharpless, K. B., Chemistry
Shepard, R. N., Psychology
Sher, B. D., Law
Sher, R., Mechanical Engineering
Sherby, O. D., Materials Science
Shooter, E. M., Genetics
Shultz, G. P., Management
Shumway, N. E., Surgery
Shyne, J. C., Materials Science
Siegel, A. E., Psychology in Psychiatry
Siegel, B. J., Anthropology
Siegman, A. E., Electrical Engineering
Siegmund, D. O., Statistics
Simmons, F. B., Surgery
Simone, J. V., Paediatrics
Sitgreaves, B. R., Education

Siu, Y.-T., Mathematics
Skinner, G. W., Anthropology
Smith, K. C., Radiology
Smith, L. C., Music
Smith, R. J., Electrical Engineering
Snow, R. E., Education
Solomon, E., Finance, Graduate School of Business
Solomon, H., Statistics and Education
Spicer, W. E., Electrical Engineering and Materials Science
Spindler, G. D., Anthropology and Education
Spitz, L. W., History
Spreiter, J. R., Applied Mechanics, Aeronautics, Astronautics
Spudich, J. A., Structural Biology
Srinivasan, V., G.S.B.
Stamey, T. A., Surgery
Stansky, P. D. L., History
Stark, G. R., Biochemistry
Starrett, D. A., Economics
Steele, C. R., Aeronautics and Astronautics
Stein, C. M., Statistics
Stevenson, D. A., Materials Science
Stocker, B. A. D., Medical Microbiology
Stone, W. H., English
Street, R. L., Civil Engineering
Stryer, L., Cell Biology
Sturrock, P. A., Engineering Science and Applied Physics
Sullivan, D. M., Oriental Art
Sunshine, P., Paediatrics
Suppes, P., Philosophy, Statistics and Education
Susskind, L., Physics
Taube, H., Chemistry
Taylor, K. B., Medicine
Taylor, R. E., Stanford Linear Accelerator Center
Textor, R. B., Education and Anthropology
Thomas, E. A. C., Psychology
Thomas, J. H., Biology
Thompson, D. A., Industrial Engineering
Thompson, G. A., Geophysics
Thoresen, C. E., Education
Tiller, W. A., Materials Science
Traugott, E. C., Linguistics and English
Trimpi, W. W., English
Triska, J. F., Political Science
Tuttle, D. F. Jr., Electrical Engineering
Tyack, D. B., Education
Ueda, M., Japanese and Comparative Literature
Urmson, J. O., Philosophy
Ueland, K., Gynaecology and Obstetrics
Van Andel, T. H., Geology
Van Campen, J. A., Slavic Languages
Van Dyke, M. D., Aeronautics and Astronautics
Van Horne, J. C., Finance (G.S.B.)
Van Slyke, L. P., History
van Tamelen, E. E., Chemistry
Veinott, A. F., Jr., Operations Research
Villard, O. G., Jr., Electrical Engineering
Vincenti, W. G., Aeronautics and Astronautics
Vosti, K. L., Medicine
Vucinich, W. S., History
Wagoner, R. V., Physics
Wald, M. S., Law
Walecka, J. D., Physics
Ward, R. E., Political Science
Waterman, A. T., Jr., Electrical Engineering
Watt, I. P., English
Weaver, W., Jr., Civil Engineering
Webb, E. J., Organizational Behaviour (G.S.B.)
Weinstein, L., French
Weissbluth, M., Applied Physics
Wessells, N. K., Biology
White, R. L., Electrical Engineering and Materials Science
Widrow, B., Electrical Engineering
Wilde, D. J., Chemical Engineering
Wilkinson, J. W., Computer Science
Williams, H. R., Law
Wilson, J. L., Surgery
Wilson, R. B., Decision Sciences (G.S.B.)
Wirth, J. D., History
Wojcicki, S. G., Physics
Woodward, D. W., Biology
Wright, G., History
Wynter, S., Spanish and Portuguese
Yalom, I. D., Psychiatry
Yanofsky, C., Biology
Yau, S. T., Mathematics
Yearian, M. R., Physics
Yotopoulos, P. A., Food Research Institute
Zare, R. N., Chemistry
Zatz, L. M., Radiology
Zboralske, F. F., Radiology
Zelditch, M., Jr., Sociology
Zimbardo, P. G., Psychology

U.S. INTERNATIONAL UNIVERSITY

10455 POMERADO ROAD,
SAN DIEGO, CALIFORNIA 92131
Telephone: (714) 271-4300.

Founded 1952.

Private university.

President: William C. Rust, ph.d.
Vice-Presidents: R. S. Dunn, j.d., Randall C. Phillips, d.d.
Provost: W. L. Allison.

International Campuses:

Universidad Internacional de Mexico: 115 Avenida de los Andes, Mexico 10, D.F.; Dir. William E. Lacey.

International University—Europe: The Avenue, Bushey, Watford, WD2 2LN, England.

International University—Africa: Nairobi, Kenya; Dir. Frederick R. Huber.

U.S. NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA 93940

Founded 1909.

Superintendent: Rear-Admiral Tyler F. Dedman, U.S. Navy.
Chief Faculty Administrative Officer: Dr. Jack R. Borsting.
Librarian: Paul Spinks.

Library of 558,000 vols. (including microform).

Number of teachers: 250.
Number of students: 1,150.

Publications: *Catalogue* (biennial), *This Week in the Library* (weekly), *Library Periodical Holdings List* (annually), *Technical Reports, Research Papers* (irregular).

UNIVERSITY OF CALIFORNIA

Founded 1868.

System-wide Administrative Offices: University Hall, Berkeley, California 94720. Campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, San Francisco, Santa Barbara, and Santa Cruz.

University-Wide Officers:

President: David S. Saxon, ph.d.
Vice-President: William B. Fretter, ph.d.
Academic Vice-President: Donald C. Swain, ph.d.
Vice-President (Agricultural Sciences): J. B. Kendrick, Jr., ph.d.
Vice-President (Academic and Staff Personnel Relations): Archie Kleingartner, ph.d.

Officers of the Regents:

General Counsel of the Regents: Donald L. Reidhaar, ll.d.
Secretary of the Regents: Marjorie J. Woolman.
Treasurer of the Regents: Herbert M. Gordon, b.a.

Library: *see* Libraries.
Total number of staff: *c.* 6,600.
Total number of students: *c.* 126,000.

Berkeley Campus

Berkeley, California 94720.
Telephone: (415) 642-2331.
Established 1872.

Chancellor: Albert H. Bowker, ph.d.
Vice-Chancellor: I. M. Heyman, b.a., ll.b.
Vice-Chancellor (Administration): R. F. Kerley, b.s.
Provosts: G. J. Maslach, R. B. Park.
University Librarian: J. A. Rosenthal.

Number of teachers: 3,100.
Number of students: 28,500.

Deans:

Graduate Division: S. S. Elberg, ph.d.
College of Environmental Design: Richard Bender.
College of Chemistry: Norman E. Phillips.
College of Engineering: E. S. Kuh, ph.d.
College of Letters and Science: R. B. Park, ph.d.
College of Natural Resources: (vacant).
School of Business Administration: Earl Cheit.
School of Education: M. L. Borrowman.
School of Journalism: Edwin R. Bayley.
School of Law: Sanford S. Kadish, ph.d.
School of Library and Information Studies: Michael K. Buckland.
School of Optometry: Monroe J. Hirsch, o.d., ph.d.
School of Public Health: Warren Winkelstein, Jr., m.d.
Graduate School of Public Policy: Allan P. Sindler.
School of Social Welfare: M. Chernin, ph.d.

Chairmen of Departments:

College of Letters and Science:
  Aerospace Studies: Reagan H. Beane.
  Afro-American Studies: Reginald Jones.

Anthropology: (vacant).
Astronomy: John Gaustad.
Bacteriology and Immunology: Leon Wofsy.
Biochemistry: Daniel E. Koshland, Jr., Ph.D.
Biology: William A. Jensen, Ph.D.
Botany: William A. Jensen, Ph.D.
Classics: John M. Dillon, Ph.D.
Comparative Literature: L. Janette Richardson, Ph.D.
Dramatic Art: Robert W. Goldsby, M.F.A.
Economics: Bent Hansen, Ph.D.
English: Ralph W. Rader.
French: Leo Bersani, Ph.D.
Geography: James J. Parsons, Ph.D.
Geology and Geophysics: Thomas V. McEvilly.
German: Hinrich C. Seeba, Dr.Phil.
History: Robert J. Brentano.
History of Art: James Cahill.
Interdisciplinary and General Studies: William B. Slottman.
Italian: Arnolfo B. Ferruolo.
Linguistics: Karl E. Zimmer, Ph.D.
Mathematics: John L. Kelley, Ph.D.
Medical Physics: Robert K. Mortimer, Ph.D.
Military Science: Monte Ray Bullard.
Molecular Biology: C. Arthur Knight.
Music: Robert L. Crocker, Ph.D.
Naval Science: Frank T. Watkins.
Near Eastern Studies: Wolfgang J. Heimpel, Ph.D.
Oriental Languages: Lewis Lancaster.
Palaeontology: William B. N. Berry.
Philosophy: Joseph Tussman.
Physical Education: Mary Lou Norrie, Ph.D.
Physics: Geoffrey Chew.
Physiology-Anatomy: John G. Forte, Ph.D.
Political Science: Chalmers Johnson.
Practice of Art: Jerrold Ballaine, M.F.A.
Psychology: Stephen E. Glickman, Ph.D.
Rhetoric: William J. Brandt.
Scandinavian: Gregory P. Nybo, Ph.D.
Slavic Languages and Literatures: Joan Grossman.
Sociology: John Clausen.
South and Southeast Asian Languages and Literature: Barend A. Van Nooten, Ph.D.
Spanish and Portuguese: John H. R. Polt, Ph.D.
Statistics: Peter Bickel.
Zoology: P. Licht.

College of Chemistry:
  Chemical Engineering: C. Judson King, Sc.D.
  Chemistry: Joseph Cerny.
Education: M. L. Borrowman.
College of Engineering:
  Civil Engineering: Carl L. Monismith.
  Hydraulic and Sanitary Engineering: Jerome F. Thomas, Ph.D.
  Structural Engineering and Structural Mechanics: Milos Polivka.
  Transportation Engineering: James K. Mitchell, Sc.D.
  Electrical Engineering and Computer Sciences: Thomas E. Everhart, Ph.D.
  Industrial Engineering and Operations Research: William S. Jewell.
  Materials Science and Engineering: Douglas W. Fuerstenau, Ph.D.
  Mechanical Engineering: Chang-lin Tien, Ph.D.
  Naval Architecture: John V. Wehausen, Ph.D.
  Nuclear Engineering: Thomas H. Pigford, Ph.D.

College of Environmental Design:
  Architecture: Joseph Esherick, B.Arch.
  City and Regional Planning: Donald L. Foley, Ph.D.
  Landscape Architecture: Michael Laurie.

Ethnic Studies: Ronald Takaki.
College of Natural Resources:
  Conservation and Resource Studies: Paul Gersper.
  Forestry and Resource Management: Rudolf F. Grah, Ph.D.
  Resource Sciences: (vacant).
  Agricultural and Resource Economics: James N. Boles, Ph.D.
  Cell Physiology: Daniel I. Arnon, Ph.D.
  Entomological Sciences: Evert I. Schlinger, Ph.D.
  Forestry and Conservation: Rudolf F. Grah, Ph.D.
  Genetics: Seymour Fogel, Ph.D.
  Nutritional Sciences: Doris Calloway.
  Plant Pathology: A. Herbert Gold, Ph.D.
  Soils and Plant Nutrition: Louis Jacobson.

School of Public Health:
  Biomedical and Environmental Health Sciences: Leonard Syme.
  Social Administrative Health Services: Ruth Hueneman.

University Extension: Milton R. Stern.

Davis Campus

Davis, California 95616
Established 1905.

Chancellor: J. H. Meyer, Ph.D.
Executive Vice-Chancellor: E. W. Learn, Ph.D.
Vice-Chancellor (Academic Affairs): L. H. Mayhew, Ph.D.
Vice-Chancellor (Student Affairs): T. B. Dutton, Ph.D.
Vice-Chancellor (Business and Finance): J. F. Sullivan, Ph.D.
Registrar: M. C. Skinner, Ed.D.
Librarian: B. Kreissman, Ph.D.

Number of students: 17,125.

DEANS:

College of Agriculture and Environmental Sciences: C. E. Hess, Ph.D.
College of Letters and Science: L. J. Andrews, Ph.D.
College of Engineering: J. D. Kemper, Ph.D.
School of Law: R. C. Wydick, LL.B. (acting).
School of Medicine: C. J. Tupper, M.D.
School of Veterinary Medicine: W. R. Pritchard, D.V.M., Ph.D., J.D.
Graduate Division: A. G. Marr, Ph.D.

Irvine Campus

Irvine, California 92664
Telephone: (714) 833-5011.
Opened 1965.

State control; three quarter terms.

Chancellor: Daniel G. Aldrich, Jr., Ph.D.
Executive Vice-Chancellor: James L. McGaugh.
Vice-Chancellor (Student Affairs): John M. Whiteley.
Vice-Chancellor (Business and Finance): L. E. Cox, M.S.
Associate Vice-Chancellor for Academic Affairs: Carl F. Hartman.
University Librarian: J. E. Smith, B.A.

Number of teachers: 580.
Number of students: 9,381 full-time.

Publications: *UCI General Catalogue*†, *The Seed*† (newspaper), *Humanities Review*†, and numerous student publications.

DEANS:

School of:
  Biological Sciences: H. A. Schneiderman, Ph.D.
  Fine Arts: E. C. Garrison, Ph.D.
  Humanities: William J. Lillyman.
  Physical Sciences: Everly B. Fleischer.
  Social Sciences: Christian Werner.
  Engineering: A. R. Stubberud.
Graduate School of Administration: Lyman W. Porter.
College of Medicine: Stanley van den Noort.
Teacher Education: Kenneth P. Bailey.
Graduate Division: Jonas Schultz.

PROFESSORS:

Angress, Ruth, Ph.D., German
Arditti, J., Ph.D., Biological Sciences
Aronowitz, S., Ph.D., Comparative Culture and Social Science
Arquilla, E. R., M.D., Ph.D., Pathology
Arthur, P. D., Ph.D., Mechanical Engineering
Babb, H. S., Ph.D., English and Comparative Literature
Bander, M., Ph.D., Physics
Barnes, C. W., Jr., Ph.D., Electrical Engineering
Barrutia, R., Spanish and Portuguese
Batchelder, W., Ph.D., Psychology
Bernes, M. W., Ph.D., Biological Sciences
Berk, J. E., M.D., Medicine
Bershad, N. J., Ph.D., Electrical Engineering

BINDER, A., PH.D., Social Ecology
BIRNBAUM, I., PH.D., Psychology
BORK, A. M., PH.D., Physics
BOSTICK, W. L., M.D., Pathology
BOUGHEY, A. S., PH.D., Population and Environmental Biology
BRANT, D. A., PH.D., Chemistry
BRAUNSTEIN, M. L., PH.D., Psychology
BROWN, G. W., PH.D., Administration
BRUCE, D. L., M.D., Anaesthesiology
BRUNNER, T. F., PH.D., Classics
BRYANT, P. J., PH.D., Biological Sciences
CALDERWOOD, J. L., English and Comparative Literature
CALL, J. D., M.D., Psychiatry and Human Behaviour
CAMPBELL, R. D., PH.D., Biology
CANCIAN, F., PH.D., Anthropology
CANNONITO, F. B., PH.D., Mathematics
CASERIO, MAJORIE C., Chemistry
CASSUTO, A., Music
CLECAK, P., PH.D., Comparative Culture and Social Science
COHEN, R. S., D.F.A., Drama
COLACLIDES, P., PH.D., Classics
COLBY, B. N., Social Sciences
CONNOLLY, J. E., M.D., Surgery
CORNSWEET, T. N., PH.D., Psychology
COTMAN, C., PH.D., Psychobiology
CROCKER, T. T., Commercial and Environmental Medicine
DAGRADI, A. E., M.D., Medicine
DARLING, D. A., PH.D., Mathematics
DAVIS, R. H., PH.D., Biology
DEARDEN, L. C., PH.D., Anatomy and Radiology
DELAP, T., Studio Art
DIGGINS, J. P., PH.D., History
DISAIA, P., M.D., Obstetrics and Gynaecology
DIXON, P. S., PH.D., Population and Environmental Biology
DONOGHUE, W. F., PH.D., Mathematics
DUBIN, R., PH.D., Social Sciences
DURE-SMITH, P., M.D., Radiology
EISENBERG, H., M.D., Radiology
FAGIN, H., Administration
FELDMAN, J., Psychology and Information Science
FIELDING, G. F., PH.D., Social Science and Administration
FLEISCHER, E. B., PH.D., Chemistry
FLINK, J., PH.D., Comparative Culture
FOLTZ, E. L., M.D., Surgery
FREEMAN, F., PH.D., Chemistry
FREEMAN, R. K., M.D., Obstetrics and Gynaecology
FRIED, M. D., PH.D., Mathematics
FROMAN, L. A., Jr., PH.D., Social Sciences
FURNAS, D. W., M.D., Plastic Surgery
GAMO, H., PH.D., Electrical Engineering
GARFINKEL, H., Social Sciences
GARRISON, E. C., PH.D., Drama
GAZZANIGA, A. B., M.D., Surgery
GEIS, G. L., Social Ecology
GIOLLI, R. A., PH.D., Psychobiology and Anatomy
GLOBUS, G. G., M.D., Psychiatry
GOTTSCHALK, L. A., M.D., Psychiatry and Human Behaviour
GRAHAM, J. H., M.D., Medicine
GRANGER, G. A., PH.D., Immunology
GREENBERGER, ELLEN, PH.D., Social Ecology
GUINN, V. P., PH.D., Chemistry
GWINUP, G., M.D., Medicine
HALL, O., M.F.A., English and Comparative Literature
HALL, P. F., Functional Correlates, Gynaecology and Obstetrics
HEINEY, D. W., PH.D., Comparative Literature
HODGE, H. C., PH.D., Community and Environmental Medicine
HOLLADAY, J. C., PH.D., Mathematics
HOLMES, W. C., Music
HUBERT, J. D., PH.D., French
HUBERT, R. R., PH.D., French and Comparative Literature
HYDE, L., M.D., Pulmonary Medicine
ISER, W., PH.D., English
ISERI, L. T., M.D., Medicine
JOHNSTON, J., PH.D., Economics
JONES, J. P., M.F.A., Studio Art
JORGENSEN, J. G., Comparative Culture
JOSEPHSON, R. K., PH.D., Biological Sciences and Psychobiology
JUBERG, R. K., PH.D., Mathematics
KALISCH, G. K., PH.D., Mathematics
KARAMARDIAN, K., PH.D., Mathematics and Administration
KASSOUF, S. T., PH.D., Economics
KOHUT, R. I., Surgery
KRASSNER, S. M., SC.D., Medical Microbiology
KRIEGER, M., PH.D., English and Comparative Literature
KUNZE, R. A., PH.D., Mathematics
LAMBERT, J. F., PH.D., Philosophy
LEE, E. K. C., Chemistry
LEHNERT, H., PH.D., German
LENHOFF, H. M., Development and Cell Biology
LENTRICCIA, F., PH.D., English
LEOPOLD, I. H., M.D., D.SC., Surgery
LILLYMAN, W. J., PH.D., German
LORING, E., Fine Arts
LUDWIG, F. C., M.D., Pathology
LYNCH, G. S., PH.D., Psychobiology
MCCLURE, J. H., M.D., Obstetrics and Gynaecology
MCCULLOCH, S. C., PH.D., History
MCGAUGH, J. L., PH.D., Psychobiology
MCGUIRE, J. W., PH.D., Administration
MCLAUGHLIN, C. S., PH.D., Biochemistry
MCMICHAEL, J., PH.D., English
MACMILLEN, R. E., Population and Environmental Biology
MARADUDIN, A. A., PH.D., Physics
MARGOLIS, J., PH.D., Economics
MARTIN, D. C., M.D., Surgery
MARTIN, J. H., PH.D., English and Comparative Literature
MAYER, M. E., PH.D., Mathematics and Physics
MENTON, S., PH.D., Spanish and Portuguese
METZGER, D. G., Social Sciences
MEYER, H. C., PH.D., History
MILLER, D. R., M.D., Surgery
MILLS, D. L., PH.D., Physics
MOLDAVE, K., PH.D., Biochemistry
MONTGOMERY, R. L., PH.D., English and Comparative Literature
MOORE, H. W., Chemistry
MOSIER, H. D., M.D., Paediatrics
MOYED, H. S., M.D., Microbiology
MULLIGAN, J. H., PH.D., Electrical Engineering
NELSON, T. L., M.D., Paediatrics
NICOLSON, G., PH.D., Biology
NOBLE, E., Psychiatry and Human Behaviour
ODEGARD, P. S., Music
ORJUELA, H., PH.D., Spanish
PALLEY, J., PH.D., Spanish
PARKER, W. H., PH.D., Physics
PATTISON, E. M., M.D., Psychiatry
PELLAM, J. R., PH.D., Physics
PETERS, R. L., PH.D., English and Comparative Literature
PIKE, N. C., PH.D., Philosophy
PORTER, L. W., PH.D., Psychology
PORTER, R. W., Surgery
PRIBRAM, H. W., M.B., CH.B., Radiology
QUINLIVAN, L. G., M.D., Obstetrics and Gynaecology
REARDON, B. P., PH.D., Classics
REGOSIN, R. L., PH.D., French
REINES, F., PH.D., Physics
RESNIKOFF, H. L., PH.D., Mathematics
ROBERTS, G. O., PH.D., Sociology and Comparative Culture
ROMNEY, A. K., PH.D., Social Sciences
ROSTOKER, N., Physics
ROWLAND, F. S., PH.D., Chemistry
RYNN, N., PH.D., Engineering and Physics
SAINE, T. P., PH.D., German
SANTAS, G. X., PH.D., Philosophy
SAUNDERS, R. M., PH.D., Electrical Engineering
SCHEINBERG, S., PH.D., Mathemetics
SCHERFIG, J., PH.D., Civil and Environmental Engineering
SCHNEIDERMAN, H. A., Development and Cell Biology
SCHULTZ, PH.D., Physics
SHAW, G. L., PH.D., Physics
SIMON, M., ED.D., English and Education
SIRCELLO, G., PH.D., Philosophy
SKLANSKY, J., ENG.SC.D., Electrical Engineering
SLIM, H. C., Music
SPEAR, G. S., M.D., Pathology
SPERLING, D. R., M.D., Paediatrics, Radiology
STARR, A., M.D., Psychobiology and Neurology
STEPHENS, G. C., PH.D., Organismic Biology
STUBBERUD, A. R., Engineering
SUZUKI, N., Mathematics
SWETT, J. E., PH.D., Anatomy
SYPHERD, P. S., Environmental Interactions
TAFT, R. W. PH.D., Chemistry
TEWARI, K. K., PH.D., Biochemistry
THOMAS, O. P., PH.D., Linguistics and Education
THOMPSON, R. F., PH.D., Psychobiology
THORP, E. O., PH.D., Mathematics
THRUPP, L. D., M.D., Infectious Diseases
TILLES, J. G., M.D., Infectious Diseases
TOBIS, J. S., M.D., Physical Medicine and Rehabilitation
TOLIVER, H., PH.D., English and Comparative Literature
TONGE, F. Jr., PH.D., Information and Computer Science
TRIPLETT, R., Drama
TUCKER, H. G., PH.D., Mathematics
VALENTA, L. J. V., PH.D., Endocrinology
VAN DEN NOORT, S., Medicine
VERMUND, H., M.D., Radiological Sciences
VERZEANO, M. L., PH.D., Psychobiology
VILLEGAS, J., PH.D., Spanish and Portuguese
WALLIS, R. F., PH.D., Physics
WARNER, R. C., PH.D., Biochemistry
WATT, W. C., PH.D., Social Science
WEINBERGER, N. M., PH.D., Psychobiology
WERNER, C., Social Sciences
WHALEN, R. E., PH.D., Psychobiology
WHIPPLE, G. H., M.D., Cardiology
WHITE, G. T. PH.D., History
WHITE, J. L., Programme in Comparative Culture
WHITLEY, R. J., Mathematics
WOLFSBERG., M, PH.D., Chemistry
WRIGHT, C. P., M.F.A., English
WULFF, D. L., PH.D., Biochemistry
YEH, J. J., PH.D., Mathematics

Los Angeles Campus (UCLA)

LOS ANGELES, CALIFORNIA 90024

Telephone: (213) 825-4321.

Established 1919.

Chancellor: CHARLES E. YOUNG, PH.D.
Executive Vice-Chancellor: WILLIAM D. SCHAEFER, PH.D.
Vice-Chancellor (Administration): J. W. HOBSON, M.A.
Vice-Chancellor (Academic): C. Z. WILSON, PH.D

Vice-Chancellor (Students): N. P. Miller, Ed.D.
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College of Letters and Science: E. J. Weber, M.Litt.
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School and Graduate School of Management: J. C. LaFonce, Ph.D.
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Students: B. H. Atkinson, Ed.D.

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Aerospace Studies:
Brennan, W. F., M.S.

Anatomy:
Bok, P. D., Ph.D.
Buchwald, N. A., Ph.D.
Clemente, Carmine D., Ph.D
Cooper, E. L., Ph.D.
Eldred, E., M.D.
Gorski, R. A., Ph.D.
Kruger, L., Ph.D.
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Sawyer, C. H., Ph.D.
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Schlag, J., M.D.
Segundo, J. P., M.D.
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Towers, B., M.R.C.S., L.R.C.P.
Young, R. W., Ph.D.

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Bauer, R. O., M.D.
Bellville, J. W., M.D.
Brechner, V. L., M.B.
Katz, R. L., M.D.
Patterson, R. W., M.D.
Rubinstein, E. H., M.D.
Sullivan, S. F., M.D.
Viljoen, J. F., F.F.A.R.C.S.
Walts, L. F., M.D.

Anthropology:
Bright, W. O., Ph.D.
Goldschmidt, W. R., Ph.D.
Hill, J. N., Ph.D.
Maquet, J., Ph.D.
Meighan, C. W., Ph.D.
Moerman, M., Ph.D.
Moore, S. F., Ph.D.
Nicholson, H. B., Ph.D.
Oswalt, W. H., Ph.D.
Price-Williams, D. R., Ph.D.
Wagatsuma, H., Ph.D.
Wilbert, J., Ph.D.
Williams, B. J., Ph.D.

Architecture and Urban Planning:
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Aroni, S., Ph.D.
Burns, L. S., Ph.D.
Friedmann, J., Ph.D.
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Marris, P. H., B.A.
Milne, M. A., M.Arch.
Moore, C. W., Ph.D.
Perloff, H. S., Ph.D.
Schiedhelm, M., Architectural Engineering
Soja, E. W., Ph.D.
Stea, D., Ph.D.
Vreeland, T. R., Jr., B.Arch
Wachs, M., Ph.D.

Art:
Amato, S., B.F.A.
Andrews, O. W.
Badawy, A. M., Ph.D.
Bloch, E. M., Ph.D.
Brice, W. J., M.A.
Brown, R. B., M.A.
Carter, J. B., M.A.
Downey, S. B., Ph.D.
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Kester, J. B., M.A.
Mihich, V.
Mullican, A. L.
Neuhart, J. A., A.A.
Nunes, G. M., M.A.
Pedretti, C. N., M.A.
Stussy, J., M.F.A.
Werckmeister, O. K., Ph.D.

Astronomy:
Abell, G. O., Ph.D.
Aller, L. H., Ph.D.
Epps, H., Ph.D.
Lingenfelter, R. E., B.A.
Plavec, M. M., D.Sc.
Ulrich, R. K., Ph.D.

Atmospheric Sciences:
Arakawa, A., Ph.D.
Edinger, J. G., Ph.D.
Mintz, Y., Ph.D.
Pruppacher, H. R., Ph.D.
Siscoe, G. L., Ph.D.
Thorne, R. M., Ph.D.
Venkateswaran, S. V., Ph.D.
Wurtele, M. G., Ph.D.
Yanai, M., D.Sc.

Biological Chemistry:
Delange, R. J., Ph.D.
Fink, R. M., Ph.D.
Glitz, D. G., Ph.D.
Harary, I., Ph.D.
McKee, R. W., Ph.D.
Mead, J. F., Ph.D.
Pierce, J. G., Ph.D.
Popjak, G. J., D.Sc., M.D.
Roberts, S., Ph.D.
Slater, R. B., Ph.D.
Smith, E. L., Ph.D.
Zabin, I., Ph.D.
Zamenhof, S., Ph.D.

Biology:
Barber, A. A., Ph.D.
Bartholomew, G. A., Ph.D.
Belkin, J. N., Ph.D.
Cascarano, J., Ph.D.
Cody, M. L., Ph.D.
Collias N. E., Ph.D.
Ebersold, W. T., Ph.D.
Eckert, R. O., Ph.D.
Engelmann, F., Ph.D.
Fessler, J. H., Ph.D.
Gordon, M. S., Ph.D.
Grinnell, A. D., Ph.D.
Howell, T. R., Ph.D.
James, T. W., Ph.D.
Kavanau, J. L., Ph.D.
Lake, J. A., Ph.D.
Laties, G. G., Ph.D.
Lewis, F. H., Ph.D.
Lunt, O. R., Ph.D.
MacInnis, A. J., Ph.D.
Muscatine, L., Ph.D.
Nobel, P. S., Ph.D.
Roberts, Clara M., Ph.D.
Phinney, B. O., Jr., Ph.D.
Ray, D. S., Ph.D.
Salser, W. A., Ph.D.
Schroeder, C. A., Ph.D.
Siegel, R. W., Ph.D.
Simpson, L., Ph.D.
Sjöstrand, F. S., Ph.D.
Thompson, H. J., Ph.D.
Thornber, J. P., Ph.D.
Vaughn, P. P., Ph.D.
Walker, B. W., Ph.D.
Wildman, S. G., Ph.D.

Biomathematics:
Clark, V. A., Ph.D.
Dixon, W. J., Ph.D.
Dunn, O. J., Ph.D.
Jenden, D. J., M.B.
Massey, F. J., Ph.D.
Newton, C. M., M.D.

Chemistry:
Anet, F. A., Ph.D.
Atkinson, D. E., Ph.D.
Bayes, K. D., Ph.D.
Boyer, P. D., Ph.D.
Chapman, O. L., Ph.D.
Cram, D. J., Ph.D.
El Sayed, M., Ph.D.
Farrington, P. S., Ph.D.
Foote, C. S., Ph.D.
Hardwick, E. R., Ph.D.
Hawthorne, M. F., Ph.D.
Kaesz, H. D., Ph.D.
Kivelson, D., Ph.D.
Knobler, C. M., Ph.D.
McMillan, W. G., Jr., Ph.D.
McTague, J. P., Ph.D.
Nicol, M. F., Ph.D.
Reiss, H., Ph.D.
Schumaker, V. N., Ph.D.
Scott, R. L., Ph.D.
Smith, R. A., Ph.D.
Stevens, R. V., Ph.D.
Trueblood, K. N., Ph.D.
Wasson, J. T., Ph.D.
West, C. A., Ph.D.

Classics:
Levine, P., Ph.D.
Löfstedt, B. T. M., Ph.D.
Puhvel, J., Ph.D.

Dance:
Gilbert, P. S.,
Scothorn, C. J., M.A.

Dentistry:
Barber, T. K., D.D.S.
Bernard, G. W., D.D.S., Ph.D.
Caputo, A. A., Ph.D.
Carranza, F. A., Dr.Ortho.
Chaconas, S. J., D.D.S., M.S.
Flocken, J. E., D.M.D.
Goldberg, L. J., Ph.D.
Grenfell, J. W., D.M.D.
Hargis, H. W., D.D.S.
Kenney, E. B., D.D.S.
Kapur, K. K., D.M.D.
Kratochvil, F. J., D.D.S.
Lucatorto, F. M., D.D.S.
Richter, W. A., D.M.D., M.S.
Ruhlman, C. D., D.M.D.

Schoen, M. H., D.D.S., DR.P.H.
Serene, T. P., D.D.S., M.S.D.
Silva, G. D., F.D.S., M.R.C.S., L.R.C.P.
Simmons, N. S., D.M.D., PH.D.
Sognnaes, R. F., PH.D., D.M.D.
Thye, R., D.M.D.
Vig, R., D.D.S.
Weinstock, A., D.D.S., PH.D.
Wolcott, R. B., D.D.S

Earth and Space Sciences:
Anderson, O. L., PH.D.
Boettcher, A. L., PH.D.
Busse, F. H., DR.SC.NAT.
Carlisle, D., PH.D.
Christie, J. M., PH.D.
Coleman, P. J., PH.D.
Dollase, W. A., PH.D.
Ernst, W. G., PH.D.
Hall, C. A., Jr., PH.D.
Kaplan, I. R., PH.D.
Kaula, W., M.S.
Kennedy, G. C., PH.D.
Loeblich, Helen T., PH.D.
McPherron, R. L., PH.D.
Nelson, C. A., PH.D.
Oertel, G., DR.RER.NAT.
Rosenfeld, J. L., PH.D.
Schopf, J. W., PH.D.
Schubert, G., PH.D.
Shreve, R. L., PH.D.
Vaughn, P. P., PH.D.
Wasson, J. T., PH.D.
Watson, K. de P., PH.D.

Economics:
Alchian, A. A., PH.D.
Allen, W. R., PH.D.
Clower, R. W., B.LITT.
Darby, M. R., PH.D.
Demsetz, H., PH.D.
Hilton, G. W., PH.D.
Hirsch, W. Z., PH.D.
Hirshleifer, J., PH.D.
Intriligator, M. D., PH.D.
La Force, J. C., PH.D.
Leamer, E. E., PH.D.
Leijonhufvud, A. S., PH.D.
McCall, J. J., PH.D.
Somers, H. M., PH.D.
Sowell, T., PH.D.
Thompson, E. A., PH.D.
Welch, F. R., PH.D.

Education:
Alkin, M. C., M.A., ED.D.
Astin, A. W., PH.D.
Astin, H. S., PH.D.
Baker, E. L., ED.D.
Cohen, A. M., PH.D.
Cohen, S., PH.D.
Coleman, J. C., PH.D.
Crabtree, C., PH.D.
Erickson, L. W., ED.D.
Fawcett, C. W., PH.D.
Feshbach, N. D., PH.D.
Fielstra, C., PH.D.
Goodlad, J. I., PH.D.
Gordon, C. W., PH.D.
Hewett, F. M., PH.D.
Keislar, E. R., PH.D.
Keogh, B. K., PH.D.
Kintzer, F. C., ED.D.
McNeil, J. D., ED.D.
Pace, C. R., PH.D.
Popham, W. J., ED.D.
Silberman, H. F., ED.D.
Sorenson, A. G., PH.D.
Tyler, L., PH.D.
Weinberg, C., ED.D.
Wilson, C. Z., PH.D.
Wittrock, M. C., PH.D.

Engineering:
Allen, F. G., PH.D.
Aoki, M., PH.D.
Ardell, A. J., PH.D.
Avizienis, A. A., PH.D.
Balakrishnan, A. V., PH.D.
Bennion, D., PH.D.
Buchberg, H., M.S.
Bunshah, R. F., D.SC.
Bussell, B., PH.D.
Cantor, D. G., PH.D.
Carlyle, J. W., PH.D.
Catton, I., PH.D.
Charwat, A. F., PH.D.
Chen, F. F., PH.D.
Chu, W. W., PH.D.
Cole, J. D., PH.D.
Crow, S., PH.D.
Defontaine, D., PH.D.
Denny, V. E., PH.D.
Di Stefano, J. J., PH.D.
Dong, S. B., PH.D.
Douglass, D. L., PH.D.
Duke, C. M., M.S.
Edwards, D. K., PH.D.
Elliott, R. S., PH.D.
Estrin, G., PH.D.
Forrester, A. T., PH.D.
Forster, H. K., PH.D.
Fourney, M. E., PH.D.
Frederking, T. H., PH.D.
Greibach, S. A., PH.D.
Ingersoll, A. C., PH.D.
Karplus, W. J., PH.D.
Kastenberg, W. E., PH.D.
Kelly, R. E., SC.D.
Kleinrock, L., PH.D.
Klinger, A., PH.D.
Knapp, W. J., SC.D.
Knuth, E. L., PH.D.
Leipold, M. H., PH.D.
Leondes, C. T., PH.D.
Liu, C. Y., PH.D.
Lyman, J. H., PH.D.
MacKenzie, J. D., PH.D
McCutchan, J. W., M.S.
McNamee, L. P., PH.D.
Mal, A. K., PH.D.
Martin, D. F., PH.D.
Massey, J. L., PH.D.
Meecham, W. C., PH.D.
Melkanoff, M., PH.D.
Mills, A. F., PH.D.
Morgan, A. J. A., PH.D.
Muki, R., PH.D.
Nobe, K., PH.D.
Nottage H. B., PH.D.
O'Brien, P. F., M.S.
Okrent, D., PH.D.
Omura, J. K., PH.D.
O'Neill, R. R., PH.D.
Ono, K., PH.D.
Orchard, H. J., M.S.
Pearl, J., PH.D.
Perrine, R. L., PH.D.
Pinnow, D. A., PH.D.
Plesset, M. S., PH.D.
Pomraning, G. C., PH.D.
Robinson, L. B., PH.D.
Rosenstein, A. B., PH.D
Rubinstein, M. F., PH.D
Schmit, L. A., M.S.
Schott, F. W., PH.D.
Shabalk, F. W., PH.D.
Sines, G. H., Jr., PH.D.
Starr, C., PH.D.
Stern, R., PH.D.
Taylor, E. H., M.S.
Temes, G. C., PH.D.
Tetelman, A. S., D.ENG.
Van Vorst, W. D., PH.D.
Vidal, J. J., PH.D.
Viswanathan, C. R., PH.D.
Wagner, C. N., DR.RER.NAT.
Wang, P. K., PH.D.
Wazzan, A. R., PH.D.
Westmann, R. A., PH.D.
Wiberg, D. M., PH.D.
Willson, A. N., PH.D.
Yao, K., PH.D.
Yeh, C. W., PH.D.
Yeh, W. W., PH.D.
Yue, A. S., PH.D.

English:
Adams, R. M., PH.D.
Bedient, C. B., PH.D.
Bowen, J. D., PH.D.
Campbell, R. N., PH.D.
Dearing, V. A., PH.D.
Dent, R. W., PH.D.
Georges, R. A., PH.D.
Goldberg, G. J., PH.D.
Guffey, G. R., PH.D.
Gullans, C. B., PH.D.
Jorgensen, P. A., PH.D.
Kelly, H. A., PH.D.
Kessler, J., PH.D.
Kinsman, R. S., PH.D.
Kreiger, M.
Lanham, R. A., PH.D.
Lehan, R. D., PH.D.
Moore, B.
Nevius, B. R., PH.D.
Novak, M. E., PH.D.
Phillips, J. E., Jr., PH.D.
Povey, J. F., PH.D.
Prator, C. H., PH.D.
Riddel, J. N., PH.D.
Ridley, F. H., PH.D.
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Rousseau, G. S., PH.D.
Schaefer, W. D., PH.D.
Sellin, P. R., PH.D.
Sheats, P. D., PH.D.
Tennyson, G. B., PH.D.
Thorslev, P. L., Jr., PH.D.
Welsh, A., PH.D.
Wilgus, D. K., PH.D.

French:
Bensimon, M., PH.D.
Gans, E. L., PH.D.
Nouty, H. M., D. ès L.
Pucciani, O. F., PH.D.

Geography:
Bennett, C. F., Jr., PH.D.
Berger, C. R., PH.D.
Bruman, H. J., PH.D.
Clark, W. A., PH.D.
Dunbar, G. S., PH.D.
Kostanick, H. L., PH.D.
Logan, R. F., PH.D.
McKnight, T. L., PH.D.
Nelson, H. J., PH.D.
Orme, A. R., PH.D.
Sauer, J. D., PH.D.
Terjung, W. H., PH.D.
Thomas, B. E., PH.D.
Thrower, N. J. W., PH.D.

Geophysics and Planetary Physics:
Anderson, O. L., PH.D.
Berger, C. R., PH.D.
Boettcher, A. L., PH.D.
Busse, F. H., D.SC.
Coleman, P. J., PH.D.
Ernst, W. G., PH.D.
Kaplan, I. R., PH.D.
Kaula, W. M., M.A.
Kennedy, G. C., PH.D.
Kennel, C. F., PH.D.
Knopoff, L., PH.D.
Libby, L. M., PH.D.
Lingenfelter, R., B.A.
McPherron, R. L., PH.D.
McTague, J. P., PH.D.
Schopf, J. W., PH.D.
Shreve, R. L., PH.D.
Wasson, J. T., PH.D.

Germanic Languages:
Bahr, E., PH.D.
Bäuml, F. H., PH.D.
Chapman, K. G., PH.D.
Nehring, W., PH.D.
Sobel, E., PH.D.

Wagener, H., ph.d.
Ward, D. J., ph.d.
Wilbur, T. H., ph.d.

History:
Bolle, K., ph.d.
Banani, A., ph.d.
Benson .R. L., ph.d.
Burke, J. G., ph.d.
Burns, E. B., ph.d.
Burns, R. I., ph.d.
Burr, R. N., ph.d.
Chambers, M. H., ph.d.
Clasen, C., ph.d.
Coben, S., ph.d.
Dallek, R., ph.d.
Funkenstein, A., ph.d.
Galbraith, J. S., ph.d.
Gatell, F. O., ph.d.
Hovannisian, R. G., ph.d.
Howe, D. W., ph.d.
Hundley, N. C., ph.d.
Keddie, N., ph.d.
Krekic, B., ph.d.
Laslett, J. H., ph.d.
Lockhart, J., ph.d.
Lossky, A., ph.d.
Lowenberg, P. J., ph.d.
Marsot, A., ph.d.
Martines, L., ph.d.
Moore, D. C., ph.d.
Nash, G. B., ph.d.
Obichere, B. I., ph.d.
Posnansky, M., ph.d.
Rogger, H. J., ph.d.
Rouse, R. H., ph.d.
Sar Desai, D. R., ph.d.
Saxton, A. P., ph.d.
Searle, Eleanor, lic.med.stud.
Shaw, S., ph.d.
Vryonis, S., ph.d.
Weber, E. J., m.a.
Wilke, J. W., ph.d.
Wohl, R. A., ph.d.
Wolpert, S., ph.d.

Italian:
Cecchetti, G., ph.d.
Chiappelli, F., d.i.l.
Cottino-Jones, M., ph.d.
Pasinetti, P.-M., ph.d.
Speroni, C., ph.d.

Journalism:
Wilcox, W., ph.d.

Kinesiology:
Brown, Camille, ed.d.
Cratty, B. J., ed.d.
Edgerton, V. R.
Egstrom, G. H., ph.d.
Gardner, G. W., ph.d.
Hunt, Valerie, ed.d.
Keogh, J. F., ed.d.
Miller, N. P., ed.d.
Morehouse, L. E., ph.d.
Snyder, R. A., ed.d.

Law:
Aaron, B., ll.b.
Abel, R. L., ll.b.
Abrams, N., j.d.
Alleyne, R. H., Jr., ll.b.
Anderson, A. G., j.d.
Asimow, M. R., ph.d.
Bauman, J. A., j.s.d.
Binder, D. A., ll.b.
Brudno, Barbara, j.d.
Dukeminier, J. J., Jr., ll.b.
Fletcher, G. P., m.c.l.
Goldberg, C. E., j.d.
Graham, K. W., Jr., j.d.
Hagman, D. G., ll.m.
Horowitz, H. W., ll.b., ll.m.
Jones, E. A., Jr., ll.b.
Jordan, R. L., ll.b.
Karst, K. L., ll.b.
Krier. J. E., j.d.
Letwin, L., ll.b.
Liebeler, W. J., j.d.
McGee, H. W., Jr., j.d.
McGovern, W., Jr., ll.b.
Maxwell, R. C., ll.b.
Mellinkoff, D., ll.b.
Morris, H., ll.b., d.phil.
Nimmer, M B. .ll.b.
Prager, S. W., j.d.
Price, M. E., ll.b.
Rabinovitz, J., ll.b.
Rosett, A. I., ll.b.
Schwartz, G. T., ll.b., j.d.
Schwartz, M. L., ll.b.
Siegel, S., j.d.
Sumner, J. D., Jr., ll.m., j.s.d.
Wasserstrom, R. A., ph.d.
York, K. H., ll.b.

Library Service:
Borko, H., ph.d.
Gardner, R. K., ph.d.
Hayes, R. M., ph.d.
Vosper, R. G., m.a.

Linguistics:
Antilla, R. A., ph.d.
Bright, W. O., ph.d.
Fromkin, V. A., ph.d.
Keenan, E. L., ph.d.
Ladefoged, P., ph.d.
Schachter, P. M., ph.d.
Stockwell, R. P., ph.d.
Thompson, S. A., ph.d.
Welmers, W. E., ph.d.

Management:
Andrews, R. B., ph.d.
Buckley, J. W., d.b.a.
Buffa, E. S., ph.d.
Burns, L. S., ph.d.
Carrabino, J. D., ph.d.
Case, F. E., d.sc.
Culbert, S. A., ph.d.
Davis, L. E., m.s.
Dyer, J. S., ph.d.
Eiteman, D. K., ph.d.
Erlenkotter, D., ph.d.
Flamholtz, E. G., ph.d.
Fogel, W. A., ph.d.
Geoffrion, A. M., ph.d.
Graves, G. W., ph.d.
Hofflander, A. E., ph.d.
Hutchinson, J. E., ph.d.
Jackson, J. R., ph.d.
Jessen, R. J., ph.d.
Kassarjian, H. H., ph.d.
Kircher, P., ph.d., c.p.a.
Lippman, S. A., ph.d.
MacQueen, J. B., ph.d.
Mason, R. H., ph.d.
Massarik, F., ph.d.
Meyers, F., ph.d.
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Bingham, F. T., ph.d., Soils and Plant Nutrition
Bitters, W. P., ph.d., Horticultural Science
Block, R. E., ph.d., Mathematics
Bowden, L. W., ph.d., Geography
Bradshaw, W. T., m.a., Studio Art
Bridges, H., ph.d., History
Brinkerhoff, D. M., ph.d., Art
Broadbent, S. M., ph.d., Anthropology
Brown, L. R., ph.d., Entomology
Brown, R. P., ph.d., Theatre
Bruner, L. J., ph.d., Physics
Butler, E. W., ph.d., Sociology
Calavan, E. C., ph.d., Plant Pathology
Cameron, J. W., ph.d., Horticultural Science
Cannell, G. H., ph.d., Soil Physics
Carilla, E., ph.d., Spanish
Carlson, J. S., ph.d., Education
Carman, G. E., ph.d., Entomology
Carney, F. M., ph.d., Political Science
Carpelan, L. H., ph.d., Biology
Carrott, R. G., ph.d., Art History
Castro, C. E., ph.d., Nematology
Chalmers, B. T., ph.d., Mathematics
Chilcote, R. H., ph.d., Political Science
Coggins, C. W., Jr., ph.d., Plant Physiology
Cohen, L. H., ph.d., Geology
Cooper, K. W., ph.d., Biology
Cortes, C. E., ph.d., History/Chicano Studies
Crawford, J. C., ph.d., Music
Cummings, F. W., ph.d., Physics
Daviau, D. G., ph.d., German
De Bach, P. H., ph.d., Biological Control
De Pillis, J. E., ph.d., Mathematics
Desai, B. R., ph.d., Physics
Desjardins, P. R., ph.d., Plant Pathology
Dugger, W. M., ph.d., Botany
Earley, J. S., ph.d., Economics
Eckert, J. W., ph.d., Plant Pathology
Edmunds, S. W., m.a., Administration
Eigner, E. M., ph.d., English
Ekman, E., ph.d., History
Elders, W. A., ph.d., Geological Sciences
Embleton, T. W., ph.d., Horticultural Science
Endo, R. M., ph.d., Plant Pathology
Erwin, D. C., ph.d., Plant Pathology
Everett, G. E., ph.d., Physics
Ewart, W. H., ph.d., Entomology
Fukuto, T. R., ph.d., Entomology
Fung, S. Y., ph.d., Physics
Gable, F. K., ph.d., Music
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Garber, M. J., ph.d., Statistics
Gardiner, K. W., Administration/Environmental Science
Gaustad, E. S., ph.d., History
Georghiou, G. P., ph.d., Entomology
Gericke, P. O., ph.d., Spanish
Gibian, M. J., ph.d., Chemistry
Goeden, R. D., ph.d., Biological Control
Griffin, R. B., ph.d., French
Gunther, F. A., ph.d., Entomology
Gurtov, M., ph.d., Political Science
Halberg, C. J. A., Jr., ph.d., Mathematics
Hale, N. G., ph.d., History
Hall, I. M., ph.d., Insect Pathology
Harper, L. H., ph.d., Mathematics
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Helmkamp, G. K., ph.d., Chemistry
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Jordan, L. S., ph.d., Horticultural Sciences
Kaus, P. E., ph.d., Physics
Keen, N. T., ph.d., Plant Pathology
Kernan, Anne, ph.d., Physics
Knox, G. A., ph.d., English
Kogiku, K. C., ph.d., Economics
Labanauskas, C. K., ph.d., Horticulture
Legner, E. F., ph.d., Biological Control
Letey, J., Jr., ph.d., Soil Physics
Lewis, L. N., ph.d., Plant Physiology
Lippert, L. F., Plant Sciences
Liu, N. L., ph.d., Physics
MacLaughlin, D. E., ph.d., Physics
MacMillan, D., ph.d., Education
McCollum, D. C., ph.d., Physics
McMurtry, J. A., ph.d., Entomology
Magnus, B., ph.d., Philosophy
Mankau, R., ph.d., Nematology
March, R. B., ph.d., Entomology
Martin, J. P., ph.d., Soil Science
Mayhew, W. W., ph.d., Life Sciences
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Munnecke, D. E., ph.d., Plant Pathology
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Murphy, M. A., ph.d., Geological Sciences
Myers, A. K., ph.d., Psychology
Nachman, M., ph.d., Psychology
Neuman, R. C., ph.d., Chemistry
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Norman, A. W., ph.d., Biochemistry
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Perkins, V L., ph.d., History
Petrinoviich, L., ph.d., Psychology
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Pollak, M.. ph.d., Physics
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Ratliff, L. J., ph.d., Mathematics
Ravitch, N., ph.d., History
Reagan, M. D., ph.d., Political Science
Reid, B. R., ph.d., Biochemistry
Rettig, M. F., ph.d., Chemistry
Reuther, W., ph.d., Horticultural Science
Reynolds, H. T., ph.d., Entomology
Reynolds, W. H., m.f.a., Music
Rhine, R. J., ph.d., Psychology
Riehl, L. A., ph.d., Entomology
Riesen, A H., ph.d., Psychology
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Shen, B. C., ph.d., Physics
Sherman, H. J., ph.d., jur.d., Economics
Sherman, I. W., ph.d., Zoology
Shoemaker, V. H., ph.d., Biology
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Sims, J. J., Plant Pathology
Singer, H., ph.d., Education
Singer, R. D., ph.d., Psychology
Soost, R. K., ph.d., Genetics
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Steadman, J. M., ph.d., English
Stephens, E. R., ph.d., Environmental Science
Stern, V. M., ph.d., Entomology
Stewart, S. N., ph.d., English
Stoltzfus, B. F., ph.d., French
Stolzy, L. H., ph.d., Soil Physics
Stralka, A. R., ph.d., Mathematics
Straubinger, O. P., ph.d., German
Strombotne, J. S., m.f.a., Art
Taylor, O. C., ph.d., Plant Sciences
Thomason, I. J., ph.d., Nematology
Thomson, W. W., ph.d., Biology
Ting, I. P., ph.d., Biology
Tsao, P. H., ph.d., Plant Pathology
Turner, A. C., ph.d., Political Science
Turner, J. H., ph.d., Sociology
Uhr, C. G., ph.d., Economics
Van Deusen, L. M., ph.d., English
Van Gundy, S. D., ph.d., Nematology
Vasek, ph.d., Botany
Vickery, J. B., ph.d., English
Wallihan, E. F., ph.d., Soil Science
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Weathers, L. G., ph.d., Plant Pathology
Wedding, R. T., ph.d., Biochemistry
White, R. S., ph.d., Physics
Wild, R. L., ph.d., Physics
Wing, R. M., ph.d., Chemistry
Woodburne, M. O., ph.d., Geology
Yermanos, D. M., ph.d., Agronomy
Young, R. E., ph.d., Plant Physiology
Younger, V. B., ph.d., Agronomy
Zentmyer, G. A., Jr., ph.d., Plant Pathology.

San Diego Campus

La Jolla,
California 92093
Telephone: 452-3135.

Became part of the University, 1912.

Chancellor: William D. McElroy.
Vice-Chancellor (Academic Affairs): Paul D. Saltman.
Vice-Chancellor (Administration): Bernard Sisco.
Vice-Chancellor (Financial Management): Herman D. Johnson.
Vice-Chancellor (Health Sciences) and Dean of the School of Medicine: John H. Moxley, III.
Vice-Chancellor and Dean of Student Affairs: Richard Armitage, ph.d.
Vice-Chancellor (Marine Sciences) and Director of Scripps Institution of Oceanography: W. A. Nierenberg, ph.d.
Provost of Revelle College: June L. Tapp.
Provost of John Muir College: J. L. Stewart, ph.d.
Provost of the Third College: J. W. Watson, ph.d.
Provost of the Fourth College: Mervyn L. Rudee.
Registrar and Admissions Officer: Ronald J. Bowker.
Librarian: Millicent Abell.

Number of teachers: 738.
Number of students: 9,845.

Publications: *UCSD General Catalog, UCSD Graduate Studies, UCSD School of Medicine Catalog, UCSD Summer Session* (all annuals), *Explore* (University Extension Catalog).

PROFESSORS:

Aerospace and Mechanical Engineering Sciences:
Roberson, R. (Chairman)
Bradner, H.
Ellis, A.
Fung, Y.-C.
Hegemier, G.
Intaglietta, M.
Libby, P.
Lin, S.-C.
Miles, J.
Nachbar, W.
Olfe, D.
Penner, S.
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Schneider, A.
Sorenson, H.
Sworder, D.
Van Atta, D.
Williams, F.
Zweifach, B.

Anthropology:
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Spiro, M.
Swartz, M.

Applied Physics and Information Science:
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Booker, H.
Bowles, K.
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Hu, T.
Lugannani, R.
Rotenberg, M.
Rudee, M. L.

Biology:
Lindsley, D. (Chairman)
Butler, W.
Dutton, R.
Friedkin, M.
Geiduschek, E. P.
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Green, M.
Hayashi, M.
Helsinki, D.
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Mills, S.
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Singer, J.
Stern, H.
Tokuyasu, K.
Varon, S.
Xuong, N.-H.

Chemistry:
Goodman, M. (Chairman)
Abelson, J.
Arnold, J.
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Kaplan, N.
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Kraut, J.
McMorris, T.
Miller, S.
Schrauzer, G.
Shuler, K.
Traylor, T.
Wilson, K.
Xuong, N.-H.
Zimm, B.

Drama:
Addison, M. (Chairman)
Christmas, E.
Gaffney, F.
Wagner, A.

Economics:
Attiyeh, R.
Conlisk, J.
Engle, R.
Granger, C.
Hooper, J.
Orr, E.
Russell, R.

History:
Pomeroy, F. (Chairman)
Hughes, H. S.
Jackson, G.
Mitchell, A.
Rappaport, A.
Ruiz, R.
Scheiber, H.
Scobie, J.

Linguistics:
Schane, S. (Chairman)
Klima, E.
Kuroda, S.-Y.
Langacker, R.
Newmark, L.
Perlmutter, D.

Literature:
Berman, R.
Blanco, C.
Catalan, D.
Elliott, R.
Fussell, E.
Guillen, C.
Lettau, R.
Lyon, J.
Pearce, R.
Sommers, J.
Stewart, J.
Wierschin, M.
Wright, A.
Wynter, S.

Mathematics:
Rodin, B. (Chairman)
Anderson, D.
Bishop, E.
Evans, J.
FitzGerald, C.
Frankel, T.
Garsia, A.
Getoor, R.
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Helton, J.
Olshen, R.
Reissner, E.
Rohrl, H.
Rosenblatt, M.
Sharpe, M.
Small, L.
Williamson, S.

Music:
Newmark, L. (acting Chairman)
Druian, R.
Erickson, R.
Farrell, P.
Nee, T.
Ogdon, W.
Oliveros, P.
Rands, B.
Reynolds, R.
Siber, J.
Turetzky, B.

Philosophy:
Lee, E. (Chairman)
Allison, H.
Olafson, F.
Stroll, A.
Vendler, Z.

Physics:
Wong, D. (Chairman)
Brueckner, K.
Burbidge, E. M.
Burbidge, G.
Chen, J.
Feher, G.
Frazer, W.
Goodkind, J.
Gould, R.
Halpern, F.
Kohn, W.
Kroll, N.
Liebermann, L.
Lovberg, R.
Ma, S.-K.
Malmberg, J.
Masek, G.
Matthias, B.
McIlwain, C.
Nierenberg, W.
O'Neil, T.
Peterson, L.
Piccioni, O.
Schultz, S.
Sham, L. J.
Suhl, H.
Swanson, R.
Thompson, W.
Wheatley, J.
Xuong, N.-H.
York, H.

Political Science:
Lakoff, S. (Chairman)
Revelle, R.

Psychology:
Norman, D. (Chairman)
Anderson, N.
Boynton, R.
Deutsch, J. A.
Fantino, E.
Mandler, G.
Mandler, J.
Reynolds, G.
Tapp, J.

Scripps Institution of Oceanography:
Mullin, M. (Chairman)
Anderson, V.
Arrhenius, G.
Arthur, R.
Backus, G.
Benson, A.
Bradner, H.
Brune, J.
Bullock, T.
Cox, C.
Craig, H.
Curray, J.
Davis, R.
Engel, A.
Enright, J.
Gilbert, J. F.
Goldberg, E.
Hammel, H.
Haubrich, R.
Hawkins, J.
Haxo, F.
Heiligenberg, W.
Hendershott, M.
Hessler, R.
Inman, D.
Isaacs, J.
Keeling, C.
Lal, D.
Lewin, R.
McGowan, J.
Menard, H. W.
Munk, W.
Newman, W.
Nierenberg, W.
Parker, R.

Reid, J.
Rosenblatt, R.
Shor, G.
Spiess, F.
VanAtta, C.
Volcani, B.
White, F.
Winterer, E.

Sociology:
Davis, F. (Chairman)
Berger, B.
Cicourel, A.
Douglas, J.
Grana, C.
Gusfield, J.
Wiseman, J.

Visual Arts:
Antin, D.
Cohen, H.
Farber, M.
Harrison, N.
Kahr, M. (acting)
Kaprow, A.
Rothenberg, J. (acting)

Third College:
Heifetz, R.
Schiller, H.
Thomas, C.

School of Medicine:

Anaesthesiology:
Saidman, L. (Chairman)
Katz, J.
Smith, N.

Community Medicine:
Howell, D. (Chairman)
Shimkin, M.
Simon, H.
Stokes, J.

Medicine:
Ranney, H. (Chairman)
Braude, A.
Byfield, J.
Coppage, W.
Covell, J.
Deftos, L.
Dulbecco, R.
Fanestil, D.
Goulian, M.
Grundy, S.
Henderson, L.
Hofmann, A.
Jones, O. W.
Mayer, S.
Moser, K.
Oxman, M.
Rapaport, S.
Ross, J.
Seegmiller, J.
Shabetai, R.
Steinberg, D.
Stoughton, R.
West, J.
Wheeler, H.
White, F.
Zvaifler, N.

Neurosciences:
O'Brien, J. (Chairman)
Bickford, R.
Bullock, T.
Galambos, R.
Livingston, R.
Moore, R.
Spooner, C.
Tschirgi, R.
Wiederholt, W.

Pathology:
Benirschke, K. (Chairman)
Alexander, N.
Bloor, C.
Braude, A.
Dulbecco, R.
Griffiths, J.
Houghie, C.
Itano, H.
Lampert, P.
Masouredis, S.
Oxman, M.
Sell, S.
Stoughton, R.
Wolf, P.
Zettner, A.

Paediatrics:
Nyhan, W. (Chairman)
Connor, J.
Friedman, W.
Gluck, L.
Hamburger, R.
Howell, D.
Jones, O. W.
Schneider, J.

Psychiatry:
Judd, L. (Chairman)
Barondes, S.
Holliday, A.
Janowsky, D.
Mandell, A.
Penn, N.
Storms, L.

Radiology:
Berk, R. (Chairman)
Amberg, J.
Ashburn, W.
Baily, N.
Bookstein, J.
Byfield, J.
Friedman, P.
Lasser, E.
Leopold, G.
Talner, L.
Verba, J.
Wickbom, I.

Reproductive Medicine:
Yen, S. (Chairman)
Benirschke, K.
Gluck, L.
Lein, A.
Lucas, W.

Surgery:
Orloff, M. (Chairman)
Akeson, W.
Alksne, J.
Bernstein, E.
Convery, F.
Farris, J.
Fronek, A.
Halasz, N.
Lee, S.
Nahum, A.
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Peters, R.
Pilch, Y.
Schmidt, J.
Utley, J. R.
Wilson, D.
Worthen, D.

San Francisco Campus

3rd and Parnassus Avenues,
San Francisco, California 94143

Established 1873.

Chancellor: Francis A. Sooy, M.D.
Vice-Chancellor (Administration): E. K. Erickson, M.B.A.
Vice-Chancellor (Academic Affairs): L. L. Bennett, M.A., PH.D., M.D.
Dean of Students: P. Lindberg.
Registrar: Peter Massey.
Librarian: D. Bishop, B.A., M.S.

Number of teachers: 824.
Number of students: 3,182.

Deans:

School of Dentistry: B. W. Pavone, D.D.S.
School of Pharmacy: J. E. Goyan, PH.D.
School of Medicine: J. R. Krevans, A.B., M.D.
School of Nursing: Marjorie S. Dunlap, M.P.S., ED.D.
Graduate Division: H. A. Harper, PH.D.

Directors:

Hospitals and Clinics: Robert A. Derzon.
Langley Porter Neuropsychiatric Institute: R. S. Wallerstein, M.D.

Santa Barbara

Santa Barbara, California 93106
Telephone: 961-2311.

Established 1891; became part of the University 1944.

Chancellor: Robert A. Huttenback, PH.D.
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Vice-Chancellor (Administration): S. S. Goodspeed, PH.D.
Vice-Chancellor (Student Services and Isla Vista Affairs): Edward E. Birch, PH.D.
Assistant Chancellor, University Relations: Dodge Crockett, Jr.
Assistant Vice-Chancellors: Robert J. Kroes (Administrative Affairs), Donald P. Winter (Student Affairs).
Registrar: C. McKinney, PH.D.
Academic Assistant (Instructional Development): D. Outcalt, PH.D.
Librarian: Allen B. Veaner.

Number of teachers: 900.
Number of students: 14,588.

Deans:

College of Letters and Science: David A. Sprecher, PH.D. (acting).
College of Engineering: John E. Myers, PH.D.
College of Creative Studies: M. Murdick, PH.D. (Provost).
Extended University: N. J. Boyan, ED.D.
Graduate Division: R. O. Collins, PH.D.
Graduate School of Education: N. J. Boyan, ED.D.
Research Development: H. W. Offen, PH.D.

Professors:

Alexander, Alec P., PH.D., Economics
Atkins, S. P., PH.D., German and Slavic Languages and Literature
Bachmuth, S. O., Mathematics
Baker, G. E., PH.D., Political Science
Baldwin, J. A., PH.D., Electrical Engineering
Barrett, P. H., PH.D., Physics
Bary, D., Spanish and Portuguese
Blum, G. S., PH.D., Psychology
Boehme, T. K., Mathematics
Borden, M., History
Bowers, E., PH.D., English
Boyan, N. J., ED.D., Education

Brokensha, D. W., Anthropology
Brown, G. I., Ed.D., Education
Bruckner, A. M., Ph.D., Mathematics
Bruice, T. C., Ph.D., Chemistry
Bunton, C. A., Ph.D., Chemistry
Caldwell, D. O., Ph.D., Physics
Capps, W. H., Religious Studies,
Carbon, J. A., Biology
Case, J. S., Ph.D., Biological Sciences
Cavat, I. C., Art
Ceder, J. G., Mathematics
Chaffee, R., Ph.D., Ergonomics and Physical Education
Clarke, H. W., Classics
Collins, R. O., History
Comanor, W. S., Ph.D., Economics
Comstock, W. R., Religious Studies
Connell, J. H., Ph.D., Biological Sciences
Cotton, J. W., Ph.D., Educational Psychology
Cressey, D. R., Ph.D., Sociology
Cronshaw, J., Biological Sciences
Crouch, R. L., Economics
Crowell, J. C., Ph.D., Geology
Cushing, J. E., Jr., Ph.D., Biological Sciences
Davidson, R. H., Political Sciences
Deconde, A., History
Delattre, Genevieve, French and Italian
Delchiaro, M. A., Arts and Humanities
Djordjevic, D., History
Dole, W. E., Jr., M.A., Art
Dorra, H., Ph.D., Art
Ebeling, A. W., Ph.D., Biological Sciences
Eisberg, R. M., Ph.D., Physics
Englesberg, E., Ph.D., Biological Sciences
Erasmus, C. J., Ph.D., Anthropology
Ernest, J. A., Mathematics
Exner, R. C., Ph.D., German and Slavic
Fagan, B., Anthropology
Fan, K., Mathematics
Faulkner, M. E., Ph.D., Music
Fenech, H. J., Sc.D., Chemical and Nuclear Engineering
Fingarette, H., Ph.D., Philosophy
Fisher, R. V., Ph.D., Geological Sciences
Fisher, S., Sociology
Flacks, R., Ph.D., Sociology
Fleming, B. N., Ph.D., Philosophy
Foley, J., Ph.D., Psychology
Fontana, J., Electrical Engineering
Fricker, P. R., Music and Creative Studies
Frost, W., Ph.D., English
Fulco, J. R., Ph.D., Physics
Fuller, M. D., Ph.D., Geological Sciences
Gebhard, D. S., Ph.D., Art
Gerber, S. E., Ph.D., Speech
Gibor, A., Ph.D., Biological Sciences
Gillespie, J. E., Ph.D., Music
Glenn, S. L., Ph.D., Dramatic Art
Gogel, W. C., Ph.D., Psychology
Gold, D., Ph.D., Sociology
Gollin, A. M., D.Litt., D.Phil., History
Goodspeed, S. S., Ph.D., Political Science
Gottsdanker, R. M., Ph.D., Psychology
Graham, O. L., History
Guss, D. L., Ph.D., English
Hanley, T., Ph.D., T.D., Speech
Hanna, O. T., Chemical and Nuclear Engineering
Hanrieder, W., Political Science
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Hetzron, R., Germanic and Slavic Languages
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Holmes, W. N., Ph.D., Biological Sciences
Hone, D., Physics
Hopson, C. L., Ph.D., Geology
Horvath, S. M., Ph.D., Physical Education
Hosford, R. E., Education
Hsu, I. C. Y., Ph.D., History
Iannaccone, L., Ph.D., Education
Iyer, R., Political Sciences
Jaccarino, V., Ph.D., Physics and Creative Studies
Jacobs, G., Ph.D., Psychology
Jacobs, W. R., Ph.D., History
Johnsen, E. C., Mathematics
Johnson, M., Economics
Jones, Evelyn M., Ph.D., Ergonomics and Physical Education
Kelley, R. L., Ph.D., History
Kelly, P. J., Ph.D., Mathematics
Kendler, H. H., Ph.D., Psychology
Kendler, T. S., Ph.D., Psychology
Kirker, H. C., Ph.D., History
Kirtman, B., Chemistry
Kotzebue, K. L., Ph.D., Electrical Engineering
Laris, P. C., Ph.D., Biological Sciences
Larson, G. J., Religious Studies
Leipnik, R. B., Ph.D., Mathematics
Lewis, H. W., Ph.D., Physics
Linn, R. N., Ph.D., Germanic and Slavic Languages and Literature
Loomis, E. W., Ph.D., English
Madsen, W., Anthropology
Malecot, A., French and Italian
Mann, D. E., Ph.D., Political Science
Marcus, M., Ph.D., Mathematics
Marsak, L. M., Ph.D., History
Martínez-López, E., Spanish and Portuguese
Matthaei, G. L., Ph.D., Electrical Engineering
McCarthy, P. J., English
McClintock, C. G., Psychology
Mead, W. J., Ph.D., Economics
Mercier, V. H., English
Merkl, P. H., Ph.D., Political Science
Messick, D. M., Psychology
Michael, E., Ph.D., Ergonomics and Physical Education
Michaelsen, R. S., Religious Studies
Miller, G. H., Ph.D., Chemistry
Millikan, R., Ph.D., Chemistry
Minc, H., Ph.D., Mathematics
Mitchell, T. P., Ph.D., Mechanical Engineering
Mochizuki, H. Y., Mathematics
Moir, A., Ph.D., Art
Moseley, M. F., Jr., Ph.D., Biological Sciences
Mudrick, M., Ph.D., English
Muller, W. H., Ph.D., Biological Sciences
Murdoch, W., Ph.D., Biological Sciences
Myers, J. E., Ph.D., Chemical and Nuclear Engineering
Nair, R. K., Ed.D., Education
Nelson, W., Music
Neushul, M., Biological Sciences
Norris, R. M., Geological Sciences
Offen, H. W., Chemistry
Oglesby, R. E., History
Ordung, P. F., D.E., Electrical Engineering
Orias, E., Biological Sciences
Outcalt, D. L., Mathematics
Panikkar, R., Religious Studies
Pearce, D. R., Ph.D., English
Pearson, B. A., Religious Studies
Powell, P. W., Ph.D., History
Pritchard, G. O., Ph.D., Chemistry
Profio, A. E., Chemical and Nuclear Engineering
Reardon, R. W., Psychology
Remak, J., History
Reynolds, W. R., Dramatic Art
Rickborn, B. B. F., Chemistry
Rinker, R. G., Chemical and Nuclear Engineering
Rochelle, R., Ergonomics and Physical Education
Ross, I. K., Biology
Sawyer, R. F., Ph.D., Physics
Scalapino, D. J., Ph.D., Physics
Scheff, T., Ph.D., Sociology
Schoell, E. R., Speech
Schwartz, A. M., Linguistics
Service, E. R., Ph.D., Anthropology
Sesonske, A., Ph.D., Philosophy
Shapiro, S. B., Ph.D., Education
Shibutani, T., Ph.D., Sociology
Simonett, D., Geography
Simons, S. O., Mathematics
Skalnik, J. G., D.Eng., Electrical Engineering
Skubic, E., Ph.D., Ergonomics and Physical Education
Sloss, J. M., Mathematics
Smith, D. M., Biological Sciences
Sobel, M., Mathematics
Sonquist, J. A., Sociology
Spaulding, A. C., Ph.D., Anthropology
Spaulding, C. B., Ph.D., Sociology
Sprecher, D. A., Mathematics
Stear, E. B., Electrical Engineering
Stephens, A., Ph.D., English
Sugar, R., Physics
Swander, H., English
Sweeney, Beatrice M., Biological Sciences
Taborsky, G., Biological Sciences
Temmer, M. J., Ph.D., French
Thomas, R. C., M.F.A., Art
Thomas, R. M., Ph.D., Education
Thompson, R. C., Ph.D., Mathematics
Tilton, G. R., Ph.D., Geological Sciences
Tobin, R. W., Ph.D., French and Italian
Turner, H., Ph.D., Political Science
Wade, G., Ph.D., Electrical Engineering
Walker, P. D., Ph.D., French and Italian
Walker, W. C., Ph.D., Physics
Walters, J. L., Biological Sciences
Waterman, J., Ph.D., Germanic and Slavic Languages and Literature
Weaver, D. W., Geological Sciences
Weiss, M. L., Mathematics
Wenner, A. M., Biological Sciences
Wesson, R. G., Political Science
Wienpahl, P. D., Ph.D., Philosophy
Wilkins, B. T., Ph.D., Philosophy
Wilson, C. H., Jr., M.M., Music
Wilson, J. A. R., Ed.D., Education
Wise, W. S., Geological Sciences
Wood, R. C., Electrical Engineering
Yaqub, A., Ph.D., Mathematics
Young, D. C., Classics
Zimmer, J., Education
Zytowski, C. B., Music

Attached Institutes:

Bureau of Educational Research and Development.
Center for Black Studies.
Center for Chicano Studies.
Channel Islands Field Station.
Community and Organization Research Institute.
Computer Systems Laboratory.
Institute for Applied Behavioral Science.
Institute for the Interdisciplinary Applications of Algebra and Combinatorics
Institute of Environmental Stress.
Institute of Religious Studies.
Marine Science Institute.
Quantum Institute.

Santa Cruz Campus*

Santa Cruz, California 95064
Telephone: (408) 429-0111.
Chartered 1961; Opened 1965.

Chancellor: Robert Sinsheimer.
Vice-Chancellor (Sciences): M. Sands, Ph.D.

Vice-Chancellor (Social Sciences): M. B. SMITH, PH.D.
Vice-Chancellor (Humanities): C. L. BARBER, B.A.
Executive Vice-Chancellor: G. MCCONNELL, PH.D.
Librarian: D. T. CLARK, M.B.A.

Number of teachers: *c.* 300.
Number of students: 5,789 (full-time).

DEANS:

Provost of Cowell College: J. A. ROSE, M.A.
Provost of Adlai E. Stevenson College: F. M. G. WILLSON, D.PHIL.
Provost of Crown College: S. E. TOULMIN.
Provost of Merrill College: P. W. BELL, PH.D.
Provost of College V: J. B. HALL, PH.D.
Provost of Kresge College: R. S. EDGAR, PH.D.

ATTACHED INSTITUTE:

Computer Center: Dir. H. D. HUSKEY, PH.D.

AFFILIATED SCHOOLS:

Hastings College of the Law: San Francisco.
Dean: A. M. SAMMIS, LL.B.

San Francisco Art Institute.
Director: F. MARTIN.

* No reply received to our questionnaire this year.

UNIVERSITY OF LA VERNE

LA VERNE, CALIFORNIA 91750
Telephone: (714) 593-3511.
Founded 1891.

President: ARMEN SARAFIAN.
Vice-Presidents: WAYNE MILLER (Undergraduate), W. DONALD CLAGUE (Graduate).
Deans: SHARON AGLER (Student Services), MAX FORNEY (Continuing Education), THOMAS REESE (Law Center).
Directors: PHILIP GREEN (Admissions), EDWARD JAKOWCZYK (Business), VIRGIL WILKINSON (Personnel).
Registrar: WILLIAM WAGONER.
Librarian: MARLIN HECKMAN.

Library of 101,500 vols., Law library of 40,000 vols.

Number of teachers: 74 full-time, 217 part-time.
Number of students: 1,900.

UNIVERSITY OF REDLANDS

REDLANDS, CALIFORNIA 92373
Telephone: 793-2121.
Founded 1907; Private.

President: DOUGLAS R. MOORE, B.A., S.T.B., PH.D.
Provost: DONALD SHOCKLEY, PH.D.
Vice-President for Student Affairs and Dean of Students: PAUL W. BRUBACHER, PH.D.
Registrar: PERRIN C. SMITH, B.A.
Library Director: ELIZABETH WILLIAMS, M.A.

The library contains 210,576 vols.
Number of teachers: 110.
Number of students: 1,400.

Publication: *University of Redlands Bulletin.*

DEANS:

Behavioral and Social Sciences: W. J. KLAUSNER, PH.D.
Education and Physical Education: THEODORE C. RUNNER, M.A.
Fine and Performing Arts: WAYNE R. BOHRNSTEDT, PH.D.
Humanities: HOWARD S. HURIBUT.
Interdisciplinary Studies: H. BEN DILLOW, M.A.
Natural Sciences: JAMES B. IFFT, PH.D.
Graduate School: W. E. UMBACH, PH.D.

AFFILIATED COLLEGES:

Alfred North Whitehead College: f. 1976; liberal and career studies; 1,800 students; Provost DONALD C. KLECKNER, PH.D.

Johnston College: f. 1969; experimental college to promote the personal and social growth of the individual; 21 profs.; 220 students; Provost EUGENE OUELLETTE, PH.D.

UNIVERSITY OF SAN DIEGO

ALCALA PARK, SAN DIEGO, CALIFORNIA 92110
Telephone: (714) 291-6480
Founded 1949.

President: Dr. A. HUGHES.
Vice-President and Provost: Sister SALLY FURAY.
Vice-President for University Relations: Dr. G. L. BROWN, Jr.
Vice-President for Business Affairs: JOHN D. BOYCE.
Librarian: M. HOLLEMAN.

DEANS:

School of Law: D. WECKSTEIN.
College of Arts and Sciences: Dr. C. JOSEPH PUSATERI.
School of Education: Fr. WILLIAM ELLIOTT.
School of Business Administration: Dr. JAMES BURNS.
School of Nursing: Dr. IRENE PALMER.

The library contains 300,000 vols.
Number of teachers: 203.
Number of students: 3,611.

UNIVERSITY OF SAN FRANCISCO

GOLDEN GATE AND PARKER STREETS,
SAN FRANCISCO, CALIFORNIA 94117.
Telephone: (415) 666-0600.
Founded 1855; Private; Jesuit.

President: Rev. JOHN J. LOSCHAVIO, S.J.
Vice-Presidents: Dr. DONALD MACINTYRE (*Academic*), Dr. ANNE DOLAN (*Student Development*), ROGER M. HAINES (*Finance*), ALFRED P. ALESSANDRI (*University Relations*), Dr. DOUGLAS D. DAVIS (*Administration and University Legal Adviser*).
Registrar: FRANCIS L. WILLIAMS.
Secretary: Rev. P. P. CALLAGHAN, S.J.
Librarian: PAUL E. BIRKEL.

The library contains 366,000 vols.
Number of teachers: 247.
Number of students: 6,000.

Publications: *Wasmann Journal, Law Review* (both bi-annually), *Pacific Prospectus, U.S.F. Quarterly, U.S.F. Report, U.S.F. Alumnus* (all quarterly).

DEANS AND DIRECTORS:

Colleges of Liberal Arts and Science: Rev. E. STACKPOOLE, S.J.
Business Administration: B. MARTIN.
School of Law: P. MCKASKLE.
Nursing: Sister M. G. MCDONNELL, S.M.
Graduate Division and Director of Sponsored Research: Dr. ARTHUR FURST.
School of Education: A. CALVIN.
Evening College: Rev. THEODORE T. TAHENY, S.J. (Acting Director).
Continuing Education: MICHAEL M. HOWE.

UNIVERSITY OF SANTA CLARA

SANTA CLARA, CALIFORNIA 95053
Telephone: (408) 984-4242.
Founded 1851. Private.

President: WILLIAM J. REWAK, S.J.
Academic Vice-President: PAUL LOCATELLI, S.J.
Chancellor: PATRICK A. DONOHOE, S.J.
Vice-President for Finance: JOSE A. DEBASA.
Vice-President for University Relations: EUGENE F. GERWE.
Dean of Students: GEORGE F. GIACOMINI.
Librarian: V. NOVAK.

The library contains 403,856 vols.
Number of teachers: 226.
Number of students: 7,020.

Publications: *Santa Clara, Redwood, The Owl, Santa Clara Today.*

DEANS:

College of Humanities: J. H. GRAY, S.J.
College of Sciences: J. B. DRAHMANN.
School of Engineering: R. J. PARDEN.
School of Law: G. J. ALEXANDER.
School of Business Administration: C. J. DIRKSEN.

UNIVERSITY OF SOUTHERN CALIFORNIA

UNIVERSITY PARK,
LOS ANGELES, CALIFORNIA 90007
Telephone: 741-2311.
Established 1879; Incorporated and opened 1880.

Chancellor: NORMAN H. TOPPING, M.D., SC.D., LL.D.
President: J. R. HUBBARD, M.A., PH.D.
Executive Vice-President: ZOHRAB A. KAPRIELIAN, M.A., PH.D.

Academic Vice-President: Paul Hadley, Ph.D.
Vice-President, Legal Affairs: C. M. Franklin, M.B.A., J.S.D., J.D.
Vice-President, Finance: Colin MacLeod, M.A.
Vice-President, Health Affairs: J. van der Meulen, M.D.
Vice-President, Student Affairs: James R. Appleton, Ph.D.
Vice-President, University Affairs: T. P. Nickell, Jr., D.B.A.
Vice-President, Business Affairs: A. D. Lazzaro, B.S.
Registrar: (vacant).
Director of Admissions: Jay Berger, Ph.D.
Librarian: Roy L. Kidman, M.S.

Library: *see* Libraries.

Number of teachers: 1,741.
Number of students: 27,879.

Publication: *General Catalogue* (annual).

Deans:

College of Letters, Arts and Sciences: John H. Marburger, Ph.D.
Graduate School: Charles E. Oxnard, Ph.D., D.Sc.
School of Architecture: A. Quincy Jones, F.A.I.A., B.A.
School of Business Administration: Jack Steele, D.B.A.
School of Dentistry: William H. Crawford, Jr., D.D.S.
School of Education: Stephen Knezevich, Ph.D.
School of Engineering: Z. A. Kaprielian, Ph.D.
School of Law: D. Nelson, LL.M.
School of Library Science: Martha T. Boaz, Ph.D.
School of Medicine: A. W. Mathies, Jr., Ph.D., M.D.
School of Music: Howard R. Rarig, Ph.D.
School of Performing Arts: Grant Beglarian, D.M.A.
School of Pharmacy: J. A. Biles, Ph.D.
School of Public Administration: Robert P. Biller, Ph.D.
School of Social Work: M. B. Hamovitch, Ph.D.
School of Urban and Regional Planning: Lowdon Wingo, M.P.A.
College of Continuing Education, Evening College, Summer Session: Rosalind Loring, M.A.
Center for Public Affairs: H. Flournoy, Ph.D.
Annenberg School of Communications: F. Williams, Ph.D.
Leonard Davis School of Gerontology: James E. Birren, Ph.D.
Institute of Safety and Systems Management: H. A. Sherman, D.B.A.

UNIVERSITY OF THE PACIFIC

STOCKTON, CALIFORNIA 95211
Telephone: 941-2011.

Founded as California Wesleyan College 1851; name changed to University of the Pacific 1852; consolidated with Napa College 1896; name changed to College of the Pacific 1911; name changed to University of the Pacific 1961; Private control.

President: Stanley E. McCaffrey.
Academic Vice-President: C. J. Hand.
Financial Vice-President: R. R. Winterberg.
Vice-President-Executive Assistant: C. L. Dochterman.
Dean of Admissions: E. L. Medford.
Vice-President for Student Life: Judith M. Chambers.
Dean of Academic Records and Institutional Research and University Registrar: Lee C. Fennell.
Librarian: J. A. Riddles.

The library contains 300,000 vols.

Number of teachers: 402.
Number of students: 6,150.

Publications: *Pacific Review, Pacific Historian, Pacifican, Contact Point* (Dental School), *De Minimus* (School of Law).

Deans:

Business and Public Administration: Elliot H. Kline.
Education: O. T. Jarvis.
Engineering: R. L. Heyborne.
Graduate School: R. W. Smith III.
Liberal Arts: R. A. Whiteker.
Music: I. C. Lehn.
Pharmacy: I. W. Rowland.
Raymond-Callison College: M. L. Cormack.
Covell College: G. L. Caldwell.
School of Dentistry: (vacant).
School of Law: G. D. Schaber.

WEST COAST UNIVERSITY

440 SHATTO PLACE,
LOS ANGELES, CALIFORNIA 90020
Telephone: (213) 487-4433.
Founded 1909.

President: Dr. Victor Elconin.
Vice-President: Dr. E. H. Kopp.
Secretary and Treasurer: Robert A. Dotterer.
Registrar: Mrs. Dorothy Donovan.
Librarian: Ann Yokoyama.

The library contains 20,000 vols.

Number of teachers: 200.
Number of students: 1,350.

WESTMONT COLLEGE

955 LA PAZ ROAD,
SANTA BARBARA,
CALIFORNIA 93103
Telephone: 969-5051.
Founded 1940.

President: Dr. David K. Winter.
Vice-President and Academic Dean: Dr. Bruce Stockin (acting).
Registrar: Mrs. Arleen Shennum.
Director of Learning Resources: John D. Murray.

The library contains 120,000 vols.

Number of teachers: 55.
Number of students: 975.

WHITTIER COLLEGE

WHITTIER, CALIFORNIA 90608
Telephone: (213) 693-0771.
Founded 1901.

President: W. Roy Newsom.
Dean: Richard B. Harvey.
Librarian: Philip M. O'Brien.

Number of teachers: 100.
Number of students: 1,400.

Publication: *The Rock* (quarterly).

COLORADO

ADAMS STATE COLLEGE OF COLORADO

ALAMOSA, COLORADO 81102
Telephone: 589-7341.
Founded 1921.

President: Milton B. Byrd.
Registrar: W. S. Farley.
Librarian: Mrs. N. Hasfjord.

The library contains 157,466 vols.

Number of teachers: 126.
Number of students: 2,450.

COLORADO COLLEGE

COLORADO SPRINGS,
COLORADO 80903
Chartered 1874.

President: Lloyd E. Worner.
General Secretary: W. Robert Brossman.
Business Manager: R. W. Broughton.
Librarian: G. V. Fagan.

Number of teachers: 160.
Number of students: 1,820.

Deans:

College: R. C. Bradley.
Students: M. F. Taylor, Jr.
Admissions: R. E. Wood.
Summer School: Gilbert R. Johns.
Women: Laurel McLeod.
Director of Alumni Affairs: B. Yalich.

COLORADO SCHOOL OF MINES

GOLDEN, COLORADO 80401
Telephone: (303) 279-0300.
Founded 1874.

A university of mineral resources.

President: Guy T. McBride, Jr.
Vice-President for Business Affairs: W. Gordon Scott.
Vice-President for Academic Affairs and Dean of the Faculty: James H. Gary.
Vice-President for Institutional Planning and Development: J. G. Welles.
Dean of Graduate School: William D. Copeland.
Dean of Students: Richard S. Culver.
Director of Admissions: A. W. Young.
Librarian: Hartley K. Phinney, Jr.

Number of teachers: 186.
Number of students: 2,584.

Publications: *Quarterly of the Colorado School of Mines, Mineral Industries Bulletin.*

COLORADO STATE UNIVERSITY

FORT COLLINS, COLORADO 80521

Founded 1870 as The Agricultural College of Colorado; became a State institution in 1876, a land-grant college in 1879.

President: A. R. CHAMBERLAIN, PH.D.
Secretary: EUGENE T. PETRONE, M.A.
Treasurer: J. R. HEHN, PH.D.
Academic Vice-President: C. O. NEIDT, PH.D.
Vice-President for Research: GEORGE G. OLSON, PH.D.
Vice-President for Finance: M. A. BINKLEY, PH.D.
Registrar and Director of Admissions: L. L. OVERTURF, M.S.
Director of Libraries: L. W. ANDERSON, PH.D.

The library contains 900,000 vols.

Number of teachers: 1,200.

Number of students: 11,000 men, 7,000 women, total 18,000.

DEANS:

College of Business: D. W. DOBLER, PH.D.
College of Engineering: L. V. BALDWIN, PH.D.
College of Forestry and Natural Resources: D. A. JAMESON, PH.D. (acting).
College of Natural Sciences: W. B. COOK, PH.D.
College of Agriculture: D. D. JOHNSON, PH.D.
College of Veterinary Medicine: (vacant).
College of Humanities and Social Sciences: F. J. VATTANO, PH.D.
College of Home Economics: HELEN F. MCHUGH, M.S., PH.D.
College of Professional Studies: W. JOHNSON, PH.D.
Dean of Graduate School: JAMES R. MEIMAN, PH.D.

ASSOCIATED INSTITUTIONS:

Colorado Agricultural Experimental Station.
Director: J. P. JORDON, PH.D.
Extension Service.
Director: L. W. WATTS, M.S.
Colorado State Forest Service.
State Forester: T. B. BORDEN, M.S.
Rocky Mountain Forest and Range Experiment Station.
Director: D. E. HERRICK.
Colorado Co-operative Wildlife Research Unit.
Leader: K. RUSSELL.
Colorado Co-operative Fishery Research Unit.
Leader: WILLIAM MCCONNELL.

COLORADO WOMEN'S COLLEGE

1800 PONTIAC ST.,
DENVER, COLORADO 80220
Telephone: (303) 394-6012.
Founded 1888.

President: Dr. SHERRY MANNING.
Dean of Faculty: Dr. ELAYNE DONOHUE.
Director of Admissions: MICHAEL BIERY.
Librarian: P. N. FRAME.

The library contains 133,000 volumes

Number of teachers: 39.

Number of students: 450.

FORT LEWIS COLLEGE

COLLEGE HEIGHTS,
DURANGO, COLORADO 81301
Telephone: 247-7010.
Founded 1911.

President: REXER BERNDT.
Supervisor of Admissions: HARLAN STEINE.
Librarian: R. GOBBLE.

The library contains 125,000 vols.

Number of teachers: 145.

Number of students: 2,875.

LORETTO HEIGHTS COLLEGE

3001 SOUTH FEDERAL BLVD.,
DENVER, COLORADO 80236
Telephone: (303) 936-8441.
Founded 1918.

President: ADELE PHELAN.
Academic Dean: ANTONY PARIMANATH.
Dean of Students: RICHARD FORTIN.
Director of Fiscal Operations: BRUCE BARROWS.
Director of Admissions: WILLIAM FAIN.
Director of Development: SUE LANDRUM.
Librarian: AGNES MYERS.

The library contains 93,000 vols.

Number of teachers: 101.

Number of students: 850.

UNIVERSITY OF COLORADO

BOULDER,
COLORADO 80302

Incorporated 1861, opened 1877.

President: ROLAND C. RAUTENSTRAUS, M.S.
Vice-President for Research and Provost: LAWSON CROWE, PH.D.
Vice-President for University Budgets and Planning: J. RUSSELL NELSON, PH.D.
Vice-President for Student and Minority Affairs: JAMES N. CORBRIDGE, Jr., LL.B.
Vice-President for Business Affairs: WILLIAM C. ERSKINE, B.A.
Vice-President for Health Affairs: ROBERT W. ALDRICH, M.D.
Secretary of the University and Board of Regents: H. H. ARNOLD, LL.B.
Treasurer and Director of Finance: JOHN MORELAND, M.S.
Dean of Admissions and Records: WILLIAM A. DOUGLAS, M.A.

Library: *see* Libraries.

Publications: *College Catalog* (annually), *Colorado Alumnus* (monthly for 10 months), *Colorado Business Review* (monthly), *Colorado Quarterly, English Language Notes, East European Quarterly, University of Colorado Law Review, Colorado Engineer, Arctic and Alpine Research* (quarterly), *Computer Newsletter* (9 times per year), and University of Colorado Studies series covering various subjects.

University of Colorado at Boulder

BOULDER, COLORADO 80309

Chancellor: MARY F. BERRY.

Number of students: *c.* 21,600.

DEANS:

College of Environmental Design: DWAYNE NUZUM, PH.D.
College of Business and Administration: WILLIAM H. BAUGHN, M.A.
School of Education: KARL M. OPENSHAW, PH.D.
School of Journalism: DON S. SOMERVILLE, PH.D. (acting).
School of Law: ARTHUR H. TRAVERS, Jr., LL.B. (acting).
School of Medicine: HARRY P. WARD, M.D.
School of Nursing: KATHRYN SMITH, M.A., ED.D.
Graduate School: MILTON E. LIPETZ, PH.D.
College of Arts and Sciences: WILLIAM E. BRIGGS, M.A., PH.D.
College of Engineering: MAX S. PETERS, M.S., PH.D.
College of Music: WARNER L. IMIG, M.MUS.ED.
School of Pharmacy: HAROLD C. HEIM, PH.C., M.S., PH.D.
School of Dentistry: L. R. BURROWS, D.D.S., PH.D.
Continuing Education and Summer Session: P. JOHN LYMBEROPOULOS, PH.D.

University of Colorado at Colorado Springs

COLORADO SPRINGS, COLORADO 80907

Chancellor: LAWRENCE F. SILVERMAN, PH.D.

Number of students: 3,288.

University of Colorado at Denver

DENVER, COLORADO 80202

Chancellor: HAROLD H. HAAK, PH.D.

Number of students: 8,097.

UNIVERSITY OF DENVER

DENVER, COLORADO 80208
Telephone: 753-1964.
Founded 1864.

Private control; Academic year: September to June.

Chancellor: MAURICE B. MITCHELL.

Vice-Chancellor for Academic Affairs: William Key.

Vice-Chancellor for University Resources: J. L. Blackburn.

Vice-Chancellor for Business and Financial Affairs: Carl Gardner.

Registrar: J. Pommrehn.

Librarian: M. Schertz.

The library contains 1,250,000 vols.

Number of teachers: 476 full-time, 117 part-time, total 593.

Number of students: 7,835.

Publications: *Denver Law Journal* (quarterly), *Denver Quarterly*, *Clarion* (3 times weekly), *Communiqué* (weekly), *K-Book* (annually), *University of Denver News* (quarterly).

DEANS:

Arts and Sciences: Kenneth Purcell.

Business Administration: P. Firmin.

Law: R. B. Yegge.

Graduate School of Arts and Sciences: R. Amme.

Graduate School of Librarianship: Margaret K. Goggin.

Graduate School of International Studies: D. Bayley (acting).

Graduate School of Social Work: K. W. Kindelsperger.

PROFESSORS:

College of Arts and Sciences:

Adams, P., Education
Alpiner, J. G., Speech Pathology and Audiology
Amme, R. C., Physics
Anderson, D., Foreign Languages and Literature
Barany, G., History
Barbour, A., Speech Communication
Barcus, J. R., Physics
Bardwell, G. E., Mathematics
Beall, C. P., Political Science
Billmyer, J. E., Art
Bleistein, N., Mathematics
Boklund, G. K., English
Brandom, W., Biological Sciences
Breck, A. du P., History
Brush, F. W., Philosophy
Campos, J., Psychology
Carpenter, S., Physics
Carroll, A., Education
Case, K., Speech Communication
Chapman, G. W., English
Chasson R. L., Physics
Clem, M., Physical Education
Crane, T., History
Dance, F. E. X., Speech Communication
Davis, J., Education
Dorn, W. S., Mathematics
Dorsett, L., History
Drabek, T. E., Sociology
Driscoll, W. T., Biological Sciences
Epstein, S., English
Everhart, E., Physics
Fee, R. D., Music
Feldman, B., English
Forsythe, R., Education
Geddes, C., History
Glorfeld, L., Speech Communication
Goldberg, A., Speech Communication
Gollob, H., Psychology
Greenberg, H., Mathematics
Griffiths, T. M., Geography
Grossman, A., Theatre
Gudder, S. P., Mathematics
Haith, M., Psychology
Hoffman, Ruth I., Mathematics
Horn, J., Psychology
Hughes, D., History
Hunsinger, P. P., Speech Communication
Iona, M., Physics
James, S., English
Jones, N., Psychology
Jordan, N., Mass Communications
Key, W. H., Sociology
King, E. W., Education
Kirk, J., Religious Studies
Klocker, H., Philosophy
Larson, C., Speech
Levy, E., Theatre
McCormick, H., Chemistry
Mendelsohn, H., Mass Communications
Millsap, K. F., Political Science
Mitchell, M. B., Mass Communications
Moore, H. R., Education
Moore, W. E., Sociology and Law
Murcray, D., Physics
Newkirk, J. B., Chemistry
Nolte, C., Education
Olson, G., Physical Education
Patel, V. L., Physics
Perdew, P. W., Education
Pfnister, A., Education
Phillips, Jeanne S., Psychology
Purcell, K., Psychology
Redfield, Janet E., Psychology
Richardson, R., English
Ritchie, H. M., Theatre
Riter, J. R., Jr., Chemistry
Roederer, J. G., Physics
Ross, H. L., Sociology and Law
Rudd, R., Geography
Schmidt-Collerus, J., Chemistry
Shaklee, A. B., Psychology
Shubert, M., Biological Sciences
Slaichert, W. M., Education
Smith, D., Chemistry
Spilka, B., Psychology
Stickler, W. C., Chemistry
Stone, G., Biological Sciences
Strawn, M., Art
Trowill, J., Psychology
Tuttle, E., Physics
Van der Merwe, A., Physics
Williams, J. E., English
Yourgrau, W., Philosophy

College of Law:

Altonin, W.
Beaney, W. M.
Blumenthal, M.
Brightwell, T.
Brody, B.
Carver, J.
Coco, A.
Gilmore, J.
Huff, W. S.
Jamison, F. W.
Kesselman, J. J., Accounting and Law
Lawson, H.
Linn, J. P.
Littlefield, N.
Marsh, T. G.
Merson, A.
Moore, W. E., Law and Sociology
Moye, J. E.
Munch, C.
Nanda, V. P.
Reese, J. H.
Rosenberg, H. L.
Ross, H. L., Law and Sociology
Tiffany, L. P.
Walker, T. B.
Wallace, J. E.
Yegge, R. B.

College of Business Administration:

Bardwell, G., Statistics and Mathematics
Bozeman, B., Business Law
Brittan, M. R., Statistics
Drury, D., Economics
Firmin, P. A., Administration
Fischer, W. O., Industrial Relations
Foster, G., Administration
Gist, R. R., Marketing Management
Grimstad, C. R., Accounting
Halterman, C., Administration
Jones, D. E., Administration
Keister, D. C., Hotel and Restaurant Management
Kesselman, J. J., Accounting
Kuark, J. Y., Statistics and Economics
Loomis, V. L., Marketing
Maddox, J. R., Economics
Mason, A., Finance and Management
Merry, P. R., Statistics and Economics
Mosconi, D. L., Finance
Sorenson, J., Accounting
Vardaman, G., Administration
Walther, J. V., Finance
Wilson, R. D., Hotel and Restaurant Management
Wyand, M., Economics

Graduate Schools (Professional):

Ancell, H., Social Work
Barnett, Eleanor M., Social Work
Bayley, D., International Studies
Bridges, J., Social Work
Coco, A., Librarianship
Davis, Edith M., Social Work
Eastlick, J., Librarianship
Goggin, M. K., Librarianship
Hatch, Lucile, Librarianship
Hutchinson, B., Social Work
Jorgenson, J. Social Work
Kaplan, I., Social Work
Kindelsperger, K., Social Work
Klingler D., Social Work
McCann, C. W., Social Work
Shepherd, G., International Studies
Sherman, E., Social Work
Swanson, R., Librarianship
Szyliowicz, J. S., International Studies
Zaphiris, A. G., Social Work

ATTACHED INSTITUTE:

Denver Research Institute: Dir. Shirley H. Johnson, Jr.

UNIVERSITY OF NORTHERN COLORADO

GREELEY, COLORADO 80639
Telephone (303) 351-1890.

Founded 1889 as the State Normal School; name changed to Colorado State Teachers' College 1911, to Colorado State College of Education in 1935, to Colorado State College in 1957; present name adopted in 1970.

President: Dr. Richard R. Bond, Ph.D.

Vice-President for Academic Affairs: Frank P. Lakin, Ed.D.

Registrar: Charles Selden, M.S.

Vice-President for Administrative Services: A. E. Barnhart, Ed.D.

Vice-President for Student Affairs: T. M. Nelson, Ph.D.

Librarian: Claude J. Johns, Jr., Ph.D.

Number of teachers: 620.

Number of students: 11,048.

Publications: *Bulletin, Alumni Notes, Alumni News Letter Journal of Research Services.*

DEANS:

Graduate School: A. R. REYNOLDS.

School of Business: R. P. HEIMERL, PH.D.

College of Education: B. W. BRODERIUS, ED.D.

School of Health, Physical Education and Recreation: R. A. MONTGOMERY, ED.D.

School of Industrial Technology and Home Economics: W. R. ERWIN, ED.D.

College of Arts and Science: ROBERT O. SCHULZE.

College of Performing and Visual Arts: J. E. MILLER, PH.D.

School of Nursing: PHYLLIS D. DRENNAN, PH.D.

UNIVERSITY OF SOUTHERN COLORADO

2200 BONFORTE BOULEVARD,
PUEBLO, COLORADO 81001

Telephone: (303) 549-0123.

Founded as Junior College 1933, Southern Colorado State College 1961, present name 1975.

President: HARRY P. BOWES, ED.D.

Librarian: Mrs. B. MOORE (acting).

The library contains 18,000 vols.

Number of teachers: 293.

Number of students: 5,637.

WESTERN STATE COLLEGE OF COLORADO

GUNNISON, COLORADO 81230

Telephone: 943-0120.

Founded 1901.

President: Dr. JOHN P. MELLON.

Registrar: L. H. HALL.

Librarian: J. C. GARRALDA.

The library contains 130,000 vols.

Number of teachers: 135.

Number of students: 3,200.

CONNECTICUT

ALBERTUS MAGNUS COLLEGE

NEW HAVEN,
CONNECTICUT 06511

Telephone: 777-6631.

Liberal Arts College for women.

Founded 1925.

President: Sister FRANCIS DE SALES HEFFERNAN.

Dean: Sister M. FAITH DARGAN.

Director of Admissions: ANNETTE BROWN.

Librarian: Sister M. WILMA LYNCH.

The library contains 80,900 vols.

Number of teachers: 55.

Number of students: 540

ANNHURST COLLEGE

R.R. 2, WOODSTOCK,
CONNECTICUT 06281

Telephone: (203) 928-7773.

Founded 1941.

Private control; Academic year: September to June (two semesters).

President: Dr. PAUL G. BUCHANAN.

Academic Dean: Sister HELEN BONIN, D.H.S.

Registrar: Sister LUCILLE DENOMME, D.H.S.

Dean of Admissions: Sister GERTRUDE LANOUETTE.

Librarian: Sister MARY ROY, D.H.S.

The library contains 38,959 vols.

Number of teachers: 61.

Number of students: 410.

Publications include: *The College Catalog*†, *The Sylvan* (yearbook), *Canto*† (literary journal), *The Heather*† (campus newspaper).

CENTRAL CONNECTICUT STATE COLLEGE

NEW BRITAIN,
CONNECTICUT 06050

Telephone: (203) 827-7203.

Founded 1849.

President: F. DON JAMES.

Registrar: CARL BECK.

Librarian: R. MASSMANN, Director of Library Services.

The library contains 247,700 vols.

Number of teachers: 415.

Number of students: 12,727.

CONNECTICUT COLLEGE

NEW LONDON,
CONNECTICUT 06320

Founded 1911.

President: OAKES AMES, PH.D.

Secretary of the College and Assistant to the President: JANE R. BREDESON, B.A.

Registrar: ROBERT LEE RHYNE, PH.D.

Dean of Admissions: JEANETTE B. HERSEY, B.S.

Director of Graduate Studies: MARIAN E. DORO, PH.D.

Dean of the College: ALICE JOHNSON, PH.D.

Dean of the Faculty: R. FRANCIS JOHNSON, PH.D.

Dean of Student Affairs: MARGARET WATSON, A.B.

Librarian: BRIAN D. ROGERS, M.S.L.S.

The library contains 325,000 vols.

Number of teachers: 188 (full-time and part-time).

Number of students: 1,645

EASTERN CONNECTICUT STATE COLLEGE

83 WINDHAM ST., WILLIMANTIC,
CONNECTICUT 06226

Telephone: (203) 456-2231.

Founded 1889, refounded as Willimantic State College 1959, name changed 1967.

President: CHARLES R. WEBB.

Registrar: F. E. GEISSLER.

Director of Admissions: H. BECKERT.

Librarian: OLIVER HAYES.

The library contains 77,000 vols.

Number of teachers: 93.

Number of students: 2,553.

FAIRFIELD UNIVERSITY

FAIRFIELD, CONNECTICUT 06430

Telephone: (203) 255-5411.

Founded 1942.

Schools of Arts and Sciences, Education, Nursing and Communication.

President: Rev. THOMAS R. FITZGERALD, S.J.

Provost: Dr. JOHN A. BARONE.

Vice-President, Business and Finance: JOHN M. HICKSON.

Vice-President, Student Services: WILLIAM P. SCHIMPF.

Vice-President for Development and Public Relations: GEORGE E. DIFFLEY.

Registrar, Undergraduate Schools: Rev. G. MCCARRON, S.J.

Registrar, Graduate Schools: ROBERT GRIFFIN.

DEANS:

School of Arts and Sciences: (vacant).

School of Business: Dr. JOHN GRIFFIN.

School of Communication: Rev. THOMAS BURKE, S.J.

School of Education: Dr. ROBERT PITT.

School of Nursing: Dr. PHYLLIS PORTER.

Librarian: BARBARA D. BRYAN.

The library contains 275,000 vols.

Number of teachers: 295.

Number of students: Undergraduate 3,522, Graduate 1,269.

HARTFORD GRADUATE CENTER

275 WINDSOR ST., HARTFORD,
CONNECTICUT 06120

Telephone: (203) 549-3600.

Founded 1955.

President: Dr. HOMER D. BABBIDGE, Jr.

Director of Student Affairs: James Z. Daniels.

Librarian: D. L. Evans.

The library contains 25,000 vols.

Number of teachers: 10 full-time, 50 part-time.

Number of students: 800.

QUINNIPIAC COLLEGE

HAMDEN, CONNECTICUT 06518

Telephone: (203) 288-5251.

Founded 1929.

President: Harry L. Bennett (acting).

Registrar: Louise Rossiter.

Librarian: Mildred B. Tanofsky.

The library contains 105,000 vols.

Number of teachers: 275.

Number of students: 2,200 full-time, 1,200 part-time.

SAINT JOSEPH COLLEGE

1678 ASYLUM AVENUE,
WEST HARTFORD,
CONNECTICUT 06117

Telephone: 232-4571.

Founded 1932.

President: Sister Mary Consolata.

Registrar: Joseph Brown.

Librarian: Sister Muriel Adams.

The library contains 82,000 vols.

Number of teachers: 106.

Number of students: 1,138.

SOUTHERN CONNECTICUT STATE COLLEGE

501 CRESCENT STREET,
NEW HAVEN,
CONNECTICUT 06515

Telephone: (203) 397-4000.

Founded 1893.

President: Manson Van B. Jennings.

Vice-President: Evann Middlebrooks.

Vice-President for Administrative Affairs: J. Claude Scheuerman.

Dean of Arts and Sciences: Louis Kuslan.

Dean of Graduate Studies: Pearl Rosenstein.

Dean of Professional Studies: Rocco Orlando.

Dean of Student Affairs: Martin Curry (acting).

Director of Public Affairs: John Mattia.

Registrar: Walter Petroskey (acting).

Librarian: Richard Hegel (acting).

The library contains 322,000 vols.

Number of teachers: 541.

Number of students: 11,902.

TRINITY COLLEGE

HARTFORD,
CONNECTICUT 06106

Founded 1823.

President: Theodore D. Lockwood.

Vice-President: Thomas A. Smith.

Vice-President for Finance and Planning: James F. English, Jr.

Treasurer: Robert A. Pedemonti.

Secretary of the Faculty: Norman Miller.

Librarian: Ralph Emerick.

The library contains 540,000 vols.

Number of full-time teachers: 135, including 51 professors.

Number of students: 1,750.

Publications: *Tripod*, *Review*, *Trinity Reporter*, *Cesare Barbiere Courier*.

Dean:

Faculty: Edwin P. Nye.

UNITED STATES COAST GUARD ACADEMY

NEW LONDON,
CONNECTICUT 06320

Telephone: (203) 443-8463.

Founded 1876.

President: Rear-Admiral Malcolm E. Clark (Superintendent).

Director of Admissions: Capt. Robert T. Getman.

Librarian: P. H. Johnson.

The library contains 108,000 vols.

Number of teachers: 120.

Number of students: 996.

UNIVERSITY OF BRIDGEPORT

BRIDGEPORT,
CONNECTICUT 06602

Telephone: (203) 576-4000.

Founded 1927.

President: Leland Miles.

Dean of Administration and Planning: Henry J. Heneghan, Jr.

Vice-President for Business and Finance: Harry B. Rowell, Jr.

Dean of Student Personnel: Constantin Chagares.

Dean of Admissions: F. W. Dana II.

Librarian: M. Boone.

The library contains 240,251 vols.

Number of teachers: 245 full-time, 100 part-time, total 345.

Number of students: 3,500 full-time, 3,800 part-time, total 7,300.

Deans:

College of Arts and Sciences: Robert Fitzgerald.

College of Business: Lewellyn Mullings.

College of Education: James Tansley.

College of Engineering: Franklin C. Fitchen.

College of Fine Arts: Bruce Glaser.

College of Health Sciences: Joseph Neschasek.

University College: Sharon Klebe.

College of Law: Anthony Santoro.

UNIVERSITY OF CONNECTICUT

STORRS, CONNECTICUT 06268

Telephone: (203) 486-2000.

Established 1881 as The Storrs Agricultural School; opened to women in 1893 and name changed to Storrs Agricultural College, to Connecticut Agricultural College in 1899, to Connecticut State College 1933, and in 1939 to The University of Connecticut.

President: Edward V. Gant, M.S. (acting).

Vice-President (Academic Affairs): K. G. Wilson, Ph.D.

Vice-President (Health Affairs): John A. DiBaggio, D.D.S., M.A.

Vice-President (Student Affairs): Frederick D. Adams, D.D.S., M.P.H.

Vice-President for Financial Affairs: Harry J. Hartley, Ed.D.

Vice-President for Graduate Education and Research: Hugh Clark, Ph.D. (acting).

Registrar: Thomas J. Burke, M.A.

Librarian: J. P. McDonald, M.S.L.S.

Library: *see* Libraries.

Number of teachers: 1,227 (full-time).

Number of students: 21,509.

Publications: *Connecticut Alumnus* (quarterly), *University of Connecticut Bulletin* (4 times a year), *Advanced and Graduate Courses* (twice yearly), *Graduate Engineering, Science and Statistics Courses* (twice yearly), *Summer Sessions Bulletin* (annual), *University Chronicle* (weekly).

Deans:

College of Agriculture and Natural Resources: E. J. Kersting, D.V.M., M.S.

College of Liberal Arts and Sciences: J. A. Elias, Ph.D.

School of Business Administration: R. J. Patten, Ph.D.

School of Dental Medicine: Harald Löe, D.D.S.

School of Education: Mark R. Shibles, Ph.D.

School of Engineering: P. W. McFadden, Ph.D.

School of Extended and Continuing Education: Galvin G. Gall, M.A.

School of Fine Arts: J. R. Johnson, Ph.D.

School of Home Economics and Family Studies: Robert G. Ryder, Ph.D.

School of Law: P. I. Blumberg, J.D.

School of Medicine: Robert U. Massey, M.D.

School of Nursing: E. M. Gill, M.N., M.S.

School of Pharmacy: A. E. Schwarting, ph.d.

School of Allied Health Professions: Pauline Fitz, m.a., r.d.

Ratcliffe Hicks School of Agriculture: J. P. H. Brand, ph.d. (Director).

School of Social Work: M. Coleman, m.s.w.

Directors:

Institute of Cellular Biology: H. Herrmann, ph.d., Chairman of the Exec. Committee.

Institute of Marine Sciences: Sung Y. Feng, ph.d.

Institute of Materials Science: L. V. Azaroff, ph.d.

Institute of Water Resources: Victor E. Scottron, d.eng.

Urban Research Institute: M. J. Tenzer, ph.d.

Center for Black Studies: F. L. Bass, ed.d.

Center for Animal Care: Philip D. Fichandler.

Social Science Data Center: E. C. Ladd, Jr., ph.d.

Computer Center: R. E. Hewes, b.s., s.b.

Office of Institutional Research: Lois E. Torrence, ph.d.

Director of Development: Raymond J. Buck, Jr., a.b. (acting).

Professors:

College of Agriculture and Natural Resources:

Benson, R. H., ph.d., Animal Industries
Brand, J. P. H., ph.d., Agricultural Economics
Brown, L. R., ph.d., Animal Industries
Bethune, J. E., ph.d., Forest Research
Bryant, S. B., d.v.m., Pathobiology
Burke, N. B., ph.d., Pathobiology
Carpenter, E., Jr., ph.d., Ornamental Horticulture
Cowan, W. A., ph.d., Animal Industries
Czajkowski, J. M., ed.d., Foods and Nutrition
Daniels, E. E., m.s., Nutritional Sciences
Daniels, W. H., d.v.m., Pathobiology
Ecker, G. S., m.s., Farm Management
Emmert, F. H., ph.d., Plant Nutrition
Farrish, R. D. P., ph.d., Agricultural Economics
Favretti, R. J., m.s., m.l.a., Landscape Architecture
Fellows, I. F., ph.d., Agricultural Economics
Fetterman, Elsie B., ph.d., Family Economics and Management
Fredrickson, T. N., d.v.m., ph.d., Pathobiology
Gaunya, W. S., ph.d., Animal Diseases
Goetinck, P. F., Animal Genetics
Guttay, A. J. R., ph.d., Agronomy
Hale, N. S., ph.d., Animal Husbandry
Jensen, R. G., ph.d., Nutritional Sciences
Kennard, W., ph.d., Plant Physiology
Kersting, E. J., d.v.m., m.s., Pathobiology
Kinsman, D. M., ph.d., Animal Industries
Klein, N. W., ph.d., Animal Genetics
Knox, K. L., ph.d., Nutritional Sciences
Koths, J. S., ph.d., Floriculture
Kottke, M. W., ph.d., Agricultural Economics
Lane, Doris A., m.a., Home Economics
Lee, T., ph.d., Agricultural Economics
Lucas, J. J., ph.d., Biometrics
Malkus, L. A., ph.d., Animal Industries
McDowell, R. D., ph.d., Wildlife Ecology
Nielsen, S. W., ph.d., a.c.v.p., Pathobiology
Palmer, L. E., m.a., Agricultural Economics
Peters, R. A., ph.d., Agronomy
Pierro, L. J., ph.d., Animal Genetics
Prince, R. P., m.s., Agricultural Engineering
Rosencranz, H. A., ph.d., Rural Sociology
Savos, M. G., ph.d., Entomology
Seaver, S. K., ph.d., Agricultural Economics
Smith, A. C., ph.d., Dairy Manufacturing
Somes, R. G., ph.d., Animal Genetics
Tourtellotte, M. E., ph.d., Pathobiology
Vander Heide, L., ph.d., Pathobiology
Van Kruiningen, H. J., d.v.m., ph.d., Pathobiology
Washko, W. W., ph.d., Agronomy
Wengel, R. W., ph.d., Agronomy
Whitworth, W. R., ph.d., National Resources Conservation
Williams, L. F., m.s., Pathobiology
Wyand, D. S., d.v.m., Pathobiology

College of Liberal Arts and Sciences:

Abbott, J. L., ph.d., English
Abrahamson, M., ph.d., Sociology
Abramson, A. S., ph.d., Linguistics
Andrews, O., ph.d., Romance and Classical Languages
Azaroff, L., ph.d., Physics
Baillet, H. L., ph.d., Biobehavioural Science
Barberet, G. J., ph.d., Romance and Classical Languages
Baron, R., ph.d., Psychology
Barral. E. M. II, ph.d., Chemistry
Barth, P. S., ph.d., Economics
Bartram, R. H., ph.d., Physics
Beck, C., ph.d., Political Science
Bizziccari, A., d.phil., Romance and Classical Languages
Black, R. F., ph.d., Geology
Bobbitt, J. M., ph.d., Chemistry
Boer, C. W., ph.d., English
Booth, E. J. R., ph.d., Economics
Brezin, J. P., ph.d., Mathematics
Brown, R. D., ph.d., History
Brush, A. H., ph.d., Biology
Budnick, J. I., ph.d., Physics
Butler, Francelia M., ph.d., English
Cambon, G., d.phil., Romance and Classical Languages
Cameron, J. A., ph.d., Biology
Carlson, E. W., ph.d., English
Cary, J. B., ph.d., English
Cazel, F. A., Jr., ph.d., History
Chamberland, B., ph.d., Chemistry
Chance, N. A., ph.d., Anthropology
Chiang, A. C., ph.d., Economics
Chinsky, J. M., ph.d., Psychology
Chin, R., ph.d., Economics
Chovnick, A., ph.d., Genetics
Clark, H., ph.d., Biology
Clark, N. B., ph.d., Biology
Cohen, A. K., ph.d. Sociology
Cole, G. F., ph.d., Political Science
Collins, R. P., ph.d., Biology
Cooper, F. S., ph.d., Linguistics
Croog, S. H., ph.d., Psychology, Bio-behavioural and Community Health
Crosby, D. H., ph.d., Germanic and Slavic Languages
Cummings, I. P., ph.d., English
Curry, R. O., ph.d., History
Damon, D. H., ph.d., Physics
D'Antonio, W. V., ph.d., Sociology
David, C. W., ph.d., Chemistry
Davis, I. R., ph.d., Political Science
Davis, J. M., ph.d., English
Davis, N. T., ph.d., Biology
Dehlinger, P., ph.d., Geology
DeKay, R. F., Col., Military Sciences
Denenberg, V. H., ph.d., Bio-behavioural Sciences, Psychology
Dickerson, D. J., ph.d., Psychology
Doeg, K. A., ph.d., Biology
Dotson, F., ph.d., Sociology
Duffy, R. J., ph.d., Speech
Elias, J. A., ph.d., Philosophy
Ellington, J. W., Philosophy
Emmel, Hildegard, ph.d., Germanic and Slavic Languages
Farina. A., ph.d., Psychology
Feng, S. Y., ph.d., Biology
Ferguson, Glenn W., j.d., Political Science
Field, G. L., ph.d., Political Sciences
Fitch, R. M., ph.d., Chemistry
Frankel, L., ph.d., Geology
Fritz, C. A., Jr., ph.d., Philosophy
Frueh, A. J., ph.d., Geology
Gerson, L. L., ph.d., Political Sciences
Giacobini, E., dr.med.sci., Bio-behavioural Sciences
Giliam, O. R., ph.d., Physics
Ginsburg, B. E., ph.d., Bio-behavioural Sciences
Giolas, T. G., ph.d., Speech
Goetinck, P. F., ph.d., Animal Genetics
Goldstone, H. I., ph.d., English
Gordon, M. W., ph.d., Bio-behavioural Sciences
Gosselin, R., ph.d., Mathematics
Greene, J. C., ph.d., History
Hahn, Y., ph.d., Physics
Hakmiller, K. L., ph.d., Psychology
Haller, K., ph.d., Physics
Hamill, H. M., ph.d., History
Hancock, R. N., ph.d., Philosophy
Hardwick, E., ph.d., English
Harris, J. D., ph.d., Speech
Heiss, J. S., ph.d., Sociology
Hemphill, G. T., ph.d., English
Hermann, H., m.d., Biology
Heywood, S. M., ph.d., Biology
Hill, E., m.s., Journalism
Hoglund, A. W., ph.d., History
Islam, M. M., ph.d., Physics
Jacobus, L. A., ph.d., English
Johnson, J. F., ph.d., Chemistry
Johnson, J. R., ph.d., Art
Kaplowitt, S. J. ph.d., Germanic and Slavic Languages
Katz, L., ph.d., Chemistry
Katz, L., ph.d., Psychology
Kaufman, H. M., ph.d., Psychology
Kegeles, G., ph.d., Biology
Khairallah, E. A., ph.d., Biology
Kim, I. J., ph.d., Political Science
Kind, C. A., ph.d., Biology
Kinkade, R. P., ph.d., Romance and Classical Languages
Kirk, I., ph.d., Germanic and Slavic Languages
Klein, N., ph.d., Animal Genetics
Klemens, P. G., ph.d., Physics
Knauerhase, R., ph.d., Economics
Kogan, N., ph.d., Political Sciences
Kort, F., ph.d., Political Sciences
Kostiner, E. S., ph.d., Chemistry
Kupperman, J. J., ph.d., Philosophy
Ladd, E. C., ph.d., Political Science
Laufer, H., ph.d., Biology
Laughlin, W. S., ph.d., Bio-behavioural Sciences, Anthropology
Leacock, S., ph.d., Anthropology
Lederer, H., ph.d., Germanic and Slavic Languages
Lerman, J. W., ph.d., Speech
Lerman, M., ph.d., Mathematics

Liberman, A. M., Ph.D., Psychology
Lindley, T. F., Ph.D., Philosophy
Litt, E., Ph.D., Political Science
Lougee, R. W., Ph.D., History
Lucas-Lenard, J., Ph.D., Biology
Maciuika, B. V., Ph.D., History
McGrade, A. S., Ph.D., Philosophy
McHugh, M. P., Ph.D., Romance and Classical Languages
McLaughlin, C. A., Ph.D., English
Marcus, P. I., Ph.D., Biology
Marks, H. J., Ph.D., History
Masterton, W. L., Ph.D., Chemistry
Mattingly, I. G., Ph.D., Linguistics
Mead, R. G., Jr., Ph.D., Romance and Classical Languages
Medlicott, A. G., Jr., Ph.D., English
Mednick, M. T., Ph.D., Psychology
Meyer, P. H., Ph.D., Romance and Classical Languages
Mosher, D. L., Ph.D., Psychology
Moynihan, W. T., Ph.D., English
Mugnaini, E., M.D., Bio-behavioural Sciences
Namewirth, J. Z., Ph.D., Sociology
Nash, D. J., Ph.D., Sociology and Anthropology
Neuwirth, J. H., Ph.D., Mathematics
Newmyer, R. K., Ph.D., History
Noether, Emiliana P., Ph.D., History
Noether, G. E., Ph.D., Statistics
Obuchowski, C. W., Ph.D., Romance and Classical Languages
O'Hara, J. D., Ph.D., English
Orr, W. C., Ph.D., Chemistry
Owen, C. A., Jr., B.Lit., English
Paterson, T. G., Ph.D., History
Pelto, P. J., Ph.D., Anthropology
Penner, L., Ph.D., Biology
Philpotts, A. R., Ph.D., Geology and Geophysics
Piero, L. J., Ph.D., Animal Genetics
Pilar, G., M.D., Biology
Plank, J., Ph.D., Political Science
Pollack, E., Ph.D., Physics
Proser, M. N., Ph.D., English
Ramirez, J. A., M.D., Biology
Raney, G. N., Ph.D., Mathematics
Rankin, J. S., Jr., Ph.D., Biology
Rawitscher, G. H., Ph.D., Physics
Reed, H. A., Ph.D., History
Rettenmeyer, C., Ph.D., Biology
Ring, K., Ph.D., Psychology
Roberts, T. J., Ph.D., English
Rohner, R. P., Ph.D., Anthropology
Rollin, A. R., Ph.D., Psychology
Rollins, C. D., D.Phil., Philosophy
Romano, A., Ph.D., Biology
Romo-Arregui, Josefina, Dil.Fil.Rom., Romance and Classical Languages
Rosen, W., Ph.D., English
Rosencranz, H., Ph.D., Rural Sociology
Ross, M., Ph.D., Speech
Roth, S. J., Ph.D., Zoology
Rotter, J. B., Ph.D., Psychology
Rumney, G. R., Ph.D., Geography
Russek, A., Ph.D., Physics
Ryff, J. V., Mathematics
Sachs, B. D., Ph.D., Psychology
Schaefer, C. W., Ph.D., Biology
Schultz, R. J., Ph.D., Biology
Schuster, T., Ph.D., Biology
Schwarz, J. C., Ph.D., Psychology
Scully, J. J., Ph.D., English
Seidman, H., Ph.D., Political Science
Shaffer, J. A., Ph.D., Philosophy
Shankweiler, D. P., Ph.D., Psychology
Shaw, R. E., Ph.D., Psychology
Sinclair, K. V., Ph.D., Lit.D., Romance and Classical Languages
Singer, M., Ph.D., Economics
Sinicropi, G., Ph.D., Romance and Classical Languages
Skeels, D. C., Ph.D., Geology and Geophysics
Slater, J. A., Ph.D., Biology
Smith, J., Ph.D., Psychology
Smith, S. R., Ph.D., Chemistry
Smith, W. W., Ph.D., Physics
Spencer, H. E., Ph.D., Art
Spencer, V. E., Ph.D., Mathematics
Speyer, J. F., Ph.D., Biology
Stave, B. M., Ph.D., History
Stern, M. R., Ph.D., English
Stock, J. T., Ph.D., Chemistry
Streams, F. A., Ph.D., Biology
Suits, T. A., Ph.D., Romance and Classical Languages
Tanaka, J., Ph.D., Chemistry
Thatcher, M. B., Ph.D., Political Science
Thorkelson, H. J., Ph.D., Economics
Tollifson, J. L., Ph.D., Mathematics
Tokes, R. L., Ph.D., Political Science
Torrence, L. E., Ph.D., Political Science
Trainor, F. R., Ph.D., Biology
Turner, F. C., Ph.D., Political Science
Turvey, M., Ph.D., Psychology
Van Dusen, A., Ph.D., History
Vasington, K. V., Ph.D., Biology
Vaughan, W. R., Ph.D., Chemistry
Wachman, M., Ph.D., Mathematics
Wachtel, A., Ph.D., Biology
Wardwell, W. I., Ph.D., Sociology
Waring, C. E., Ph.D., Chemistry
Warkov, S., Ph.D., Sociology
Wehrle, E. S., Ph.D., History
Weiner, P., Ph.D., Economics
Wells, A. F., D.Sc., Chemistry
Wells, B., Jr., Mathematics
Wetherell, D. F., Ph.D., Biology
Wetzel, R. M., Ph.D., Biology
Wexler, I., Ph.D., Economics
Wilcox, T. W., M.A., English
Wilkenfeld, R. B., Ph.D., English
Wilson, K. G., Ph.D., English
Wilson, Martha, Ph.D., Psychology
Wilson, W. A., Ph.D., Psychology
Witryol, S., Ph.D., Psychology
Wolk, E. S., Ph.D., Mathematics
Wood, D. E., Ph.D., Chemistry
Yphantis, D. A., Ph.D., Biology
Zeaman, B. J., Ph.D., Psychology
Zeaman, D., Ph.D., Psychology

School of Allied Health Professions:

Adams, F. G., D.D.S.
Bauer, J., M.S.
Fitz, P. A., M.A., R.D.
Jayne, E. P., Ph.D.
Kaska, V., M.S., R.P.T.

School of Business Administration:

Boyce, B. N., S.P.R.A., Ph.D., Finance and Real Estate
Close, D. B., Ph.D., C.P.C.U., Insurance
Curcuru, E. H., Ph.D., Industrial Administration
Duker, J. M., Ph.D., Marketing
Emerzian, A. D., Ph.D., Industrial Administration
Filip, Ruth B., Ph.D., Business Administration
Fischer, D. E., D.B.A., C.F.A., Finance
Grinnell, D. J., D.B.A., Accounting
Hempel, D. J., Ph.D., Marketing
Johnson, H. M., Ph.D., Finance
Johnson, K. B., D.B.A., Finance
Kinnard, W., Ph.D., Finance
Kniffin, F. W., D.B.A., M.A., Marketing
Malinowski, Z. S., Ph.D., Business
Messner, S. D., D.B.A., Finance and Real Estate
Morrison, T. A., Ph.D., C.P.A., Accounting
Norgaard, Corine T., Ph.D., Accounting
Norgaard, R. L., Ph.D., Finance
Patten, R. J., Ph.D., Accounting
Rothstein, M., Ph.D., Management and Administrative Sciences
Souerwine, A. H., Ph.D., Industrial Administration
Spirer, H. F., Ph.D., Management and Administrative Sciences
Tucker, E. W., S.J.D., Business Law
Wendel, R. F., Ph.D., Marketing
Wilde, D. U., Ph.D., Information Systems Administration
Wyman, H. E., Ph.D., Accounting
Yanouzas, J. N., Ph.D., Industrial Administration

School of Dental Medicine:

Bailit, H. L., D.M.D., Ph.D., Behavioural Sciences and Community Health
Becker, E. L., M.D., Ph.D., Pathology
Berlin, R. D., M.D., Physiology
Bronner, F., D.D.S., Oral Biology
Burstone, C. J., D.D.S., Orthodontics
Castaldi, C. R., D.D.S., M.S.D., Paediatrics
Cooperstein, S. J., D.D.S., Ph.D., Anatomy
Croog, S. H., Ph.D., Behavioural Sciences and Community Health; Psychiatry
Katz, E. P., Ph.D., Oral Biology
Kegeles, S. S., Ph.D., Behavioural Sciences and Community Health
Langeland, K., D.D.S., Ph.D., Endodontics
Lepow, I. H., M.D., Ph.D., Pathology
Levine, P. T., D.D.S., Oral Biology
Mumford, G., D.D.S., Ph.D., General Dentistry
Nalbandian, J., D.M.D., General Dentistry
Osborn, M. J., Ph.D., Microbiology
Patterson, J. W., M.D., Ph.D., Physiology
Reiskin, A., D.D.S., Oral Radiology
Rippey, R., Ph.D., Health Education
Robinson, L. H., D.M.D., Pathology
Rothfield, L. I., M.D., Microbiology
Sheehan, T. J., Ph.D., Health Education
Spangberg, L. S. W., D.D.S., Ph.D., Endodontics
Strittmatter, P., Ph.D., Biochemistry
Tanzer, J., D.M.D., Ph.D., General Dentistry
Volle, R. L., Ph.D., Pharmacology
Ward, P. A., M.D., Pathology
Weinstein, S., D.D.S., Ph.D., Oral Biology
Yaeger, J. J., D.D.S., Ph.D., Oral Biology

School of Education:

Atkyns, G. C., Ph.D., Education
Bass, F. L., Ed.D., Education
Blick, D. J., Ph.D., Science Education
Bloomer, R. H., Ed.D., Education
Brazziel, W. F., Ph.D., Education
Brubacher, J. W., Ph.D., Education
Calder, C. R., Jr., Ph.D., Education
Cawley, J. E., Ph.D., Education
Daigon, A., Ed.D., Education
Dempsey, R., Ph.D., Education
Dyrli, O. E., Ed.D.
Fait, H. F., Ph.D., Physical Education
Flynn, J. T., Ed.D., Education
Glennon, V. J., Ph.D., Education
Goodkind, T. B., Ph.D.
Hartley, H. J., Ed.D., Education
Hood, B. L., Ph.D., Education
Kahn, H., Ph.D., Education
Laconte, R. T., Ed.D.
Liberman, I., Ph.D.
Malsbary, D. R., Ed.D., Business Education
Norris, R. B., Ed.D., Education
Osborn, Barbara L., Ph.D., Education

Page, E. B., ED.D., Education
Pappanikou, A. J., ED.D., Education
Protheroe, D. W., ED.D.
Renzulli, J., ED.D., Education
Roe, W. H., PH.D., Education
Rogers, V. R., PH.D., Education
Ross, C., PH.D., Education
Shaw, R. A., ED.D.
Sheathelm, H. H., PH.D.
Sheehan, T. J., PH.D., Education
Shibles, M. R., PH.D.
Shivers, J. S., PH.D., Physical Education
Sleeman, P. J., ED.D., Education
Stone, F., ED.D.
Thompson, D., ED.D.
Wass, P., PH.D., Education
Whinfield, R. W., PH.D.
Wicas, E., ED.D.

School of Engineering:

Bell, J. P., SC.D., Chemical Engineering
Bennett, C. O., D.ENG., Chemical Engineering
Bock, P., D.ENG., Hydrology and Water Resources
Booth, T. L., PH.D., Electrical Engineering
Bowley, W. W., PH.D., Mechanical Engineering
Brand, R. S., PH.D., Mechanical Engineering
Burstone, C. J., D.D.S., M.S., Orthodontics and Mechanical Engineering
Campbell, G. S., PH.D., Mechanical Engineering
Carney, J. F., III, PH.D., Civil Engineering
Chien, Yi-tzuu, PH.D., Electrical Engineering
Coogan, C. H., Jr., M.S.M.E., Mechanical Engineering
Coughlin, R. W., PH.D., Chemical Engineering
Dabara, E. K., PH.D., Mechanical Engineering
Devereaux, O. F., PH.D., Metallurgy
DiBenedetto, A. T., PH.D., Chemical Engineering
Dombrowski, E. G., PH.D., Electrical Engineering
Galligan, J., PH.D., Metallurgy
Gant, E. V., M.S., Civil Engineering
Garrett, R. E., PH.D., Mechanical Engineering
Greene, N. D., PH.D., Metallurgy
Haas, V. B., SC.D., Electrical Engineering
Healy, K. A., SC.D., P.E., Civil Engineering
Hilding, W. E., PH.D., Mechanical Engineering
Johnston, E. R., D.S., Civil Engineering
Kattamis, T., SC.D., Metallurgy
Ketchum, M., M.S., Civil Engineering
Knapp, C. H., PH.D., Electrical Engineering
Kochenburger, R., SC.D., Electrical Engineering
Koenig, H. A., PH.D., Mechanical Engineering
McEvily, A. J., D.ENG.SC., Metallurgy
McFadden, P. W., PH.D., Mechanical Engineering
Melehy, M. A., PH.D., Electrical Engineering
Nowotny, H., DR.TECHN., Metallurgy
Pitkin, E. T., PH.D., Engineering
Schultz, C. W., PH.D., Electrical Engineering
Scottron, V., D.ENG., Civil Engineering
Solecki, R., D.SC., Mechanical Engineering
Stephens, J. E., PH.D., Civil Engineering
Stephenson, R. M., PH.D., Chemical Engineering
Strutt, P. R., PH.D., Metallurgy
Stutzman, L. F., PH.D., Chemical Engineering
Sundstrom, D. W., PH.D., Chemical Engineering
Suprynowicz, V. A., PH.D., Electrical Engineering
Weinstein, D. D. S., M.S., Orthodontics and Mechanical Engineering
Widmer, W. J., S.M., Civil Engineering

School of Fine Arts:

Ballard, F. W., M.A., Dramatic Arts
Crossgrove, R., M.F.A., Art
Doudera, G., B.F.A., Art
Evans, E. G., Jr., PH.D., Music
Eversole, J. A., ED.D., Music
Fawcett, J., B.F.A., Art
Forman, K., M.A., Art
Gillespie, A. E., M.S., Music
Gregoric, M. T., PH.D., Dramatic Art
Gregoropoulos, J., B.A., Art
Heilweil, D., M.A., Dramatic Arts
Heller, J. J., PH.D., Music
Herr, J. H., PH.D., Dramatic Arts
Johnson, J. R., PH.D., Art
Juel-Larsen, P., D.M.A., Music
Katter, N. E., PH.D., Dramatic Arts
Klitz, B., PH.D., Music
Murray, D. L., PH.D., Dramatic Arts
O'Connor, E. J. P., ED.D., Music
Parker, W. E., M.F.A., Art
Poellein, J. A., D.M.A., Music
Rojo, J. N., M.F.A., Dramatic Arts
Negoro, Minnie, M.F.A., Art
Seeber, L. A., M.MUS., Music
Smith, H., M.MUS., Music
Somer, A., PH.D., Music
Spencer, H. E., PH.D., Art
Swibold, R. E., B.ARCH., Architecture
Terenzio, A., M.A., Art
Thornton, R. S., M.F.A., Art
Zelanski, P. J., M.F.A., Art

School of Home Economics:

Daniels, Elna E., M.S., Foods and Nutrition
Dreyer, A. S., PH.D., Child Development and Family Relations
Fetterman, E. B., PH.D., Family Economics and Management
Hotte, G. M., S.M., SC.D., F.T.I., Clothing, Textiles and Interior Design
Keller, E. D., PH.D., Child Development and Family Relations
Lane, D. A., M.A., Home Economics
Nicholson, C. K., PH.D., Human Development and Family Relations
Osburn, B. L., PH.D., Home Economics Education
Rosencranz, H. A., PH.D., Human Development and Family Relations
Rosencranz, Marylou, PH.D., Clothing, Textiles and Interior Design
Ryder, R., PH.D., Human Development and Family Relations

School of Law:

Bard, R. L., M.A.
Becher, L. E., Jr., A.B., LL.B.
Birmingham, R., J.D., PH.D.
Blumberg, P. I., A.B., J.D.
Bysiewicz, Shirley R., LL.B.
Cady, F. C., LL.B.
Clifford, D., S.B., LL.B.
Cohen, A. K., A.B., PH.D., M.A.
Cullison, A. D., B.S., J.D.
Davis, C., LL.B.
Kurlantzick, L. S., LL.B.
LaPlante, J. A., LL.M.
Levy, N., J.S.D.
McGill, H. C., B.A., LL.B.
Orland, L., LL.B.
Sacks, H. L., LL.B.
Scanlon, C., LL.M.
Schuchman, P., LL.B.
Shea, C., LL.M.
Snyder, L. B., LL.M.
Tait, C. C., LL.B.
Tondo, T. J., A.B., LL.B.
Whitman, R., LL.B.
Wolfson, N., A.B., J.D.

School of Medicine:

Antar, M. A., M.B., B.CH., PH.D., Nuclear Medicine
Becker, E. L., M.D., PH.D., Pathology
Berlin, R. D., M.D., Physiology
Blechner, J. N., M.D., Obstetrics and Gynaecology
Bowers, G. N., Jr., M.D., Laboratory Medicine
Cancro, R., M.D., Psychiatry
Cohen, S., M.D., Pathology
Cooperstein, S. J., PH.D., Anatomy
Croog, S., PH.D., Psychiatry, Behavioural Sciences and Community Health
Curtis, B. H., M.D., Surgery
Davidoff, F. F., M.D., Medicine
Deutscher, M., PH.D., Biochemistry
Elling, R. H., PH.D., Community Medicine and Health Care
Fabrikant, J. I., M.D., Radiology
Feinstein, M. B., PH.D., Pharmacology
Fencl, V., PH.D., Medicine
Fiss, H., PH.D., Psychiatry
Fleeson, W., M.D., Psychiatry
Foster, J., M.D., Surgery
Glasel, J. A., PH.D., Biochemistry
Gossling, H., M.D., Surgery
Green, R., M.D., Medicine
Hinz, C. F., M.D., Medical and Paediatrics
Hoyer, L. W., M.D., Medicine
Hukill, P. B., M.D., Pathology
Jungas, R. L., PH.D., Physiology
Katz, A., M.D., Medicine
Kramer, R., M.D., Pediatrics
Lepow, I. H., M.D., PH.D., Medicine
Lepow, Martha L., M.D., Paediatrics
Levine, J., M.D., Medicine
Loeser, C. N., M.D., Anatomy
Maher, J. C., M.D., Medicine
Markowitz, M., M.D., General Paediatrics
Massey, R. U., M.D., Medicine
Meyer, R., M.D., Psychiatry
Morse, E. E., M.D., Laboratory Medicine
O'Rourke, J., M.D., Surgery
Osborn, Mary J., PH.D., Microbiology
Patterson, J. W., M.D., PH.D., D.SC., Physiology
Pelto, P. J., PH.D., Community Medicine and Health Care
Perovitch, M. N., M.D., Radiology
Raisz, L., M.D., Medicine
Reinfrank, R., M.D., Medicine
Ressler, C., PH.D., Pharmacology
Rippey, R., PH.D., Health Education
Roberts, M. P., M.D., Surgery and Neurology-Neurosurgery
Rothenberg, A., M.D., Psychiatry
Rothfield, L. I., M.D., Microbiology
Rothfield, Naomi, M.D., Medicine
Scheig, R., M.D., Medicine
Sheehan, T. J., PH.D., Health Education
Sigman, E. M., M.D., Surgery
Spencer, R. P., M.D., Nuclear Medicine
Stabenau, J. R., M.D., Psychiatry
Strittmatter, P., PH.D., Biochemistry
Sunderman, F. W., M.D., Laboratory Medicine
Tanzer, M. L., M.D., Biochemistry
Thompson, H., G. M.D., Neurology and Neurosurgery
Topazian, R., D.D.S., Oral Surgery
Volle, R. L., PH.D., Pharmacology
Walker, J. E. C., M.D., M.SC., Community Medicine and Health Care
Ward, P. A., M.D., Pathology
Wiesel, B., M.D., Psychiatry
Wintrob, R. M., M.D., Psychiatry

School of Nursing:

Gill, E. K., M.S.N.ED., Nursing
Hayes, Janice E., PH.D., Nursing
McKinnon-Mullet, E., PH.D., Nursing
White, Marguerite B., ED.D., Nursing

School of Pharmacy:

Hite, G. J., PH.D., Medicinal Chemistry
Kelleher, W. J., PH.D., Pharmacognosy
Nieforth, K. A., PH.D., Medical Chemistry
Rosenberg, P., PH.D., Pharmacology
Schwarting, A. E., PH.D., Pharmacognosy
Simonelli, A. P., PH.D., Pharmaceutics
Skauen, D. M., PH.D., Pharmacy

School of Social Work:

Alissi, A. S., PH.D.
Boatman, Louise, M.S.
Bok, M., PH.D.
Coleman, M., M.S.W.
Dubins, I. G., M.S.
Echols, Ivor. PH.D.
Goroff, N. N., M.S.S.A.
Green, R., PH.D.
Little, V., PH.D.
Lutz, W. A., M.A., M.S.
Maluccio, A. V., M.A., D.S.W.
Newman, J., M.S.S.S.
Pinner, E. L., PH.D.
Stuart, A., PH.D.
Williams, R. C., M.S.S.S.
Yuen-chi Wu, PH.D.

UNIVERSITY OF HARTFORD

200 BLOOMFIELD AVENUE,
WEST HARTFORD,
CONNECTICUT 06117
Telephone: (203) 243-4100.
Founded 1877.

President: Dr. Stephen J. Trachtenberg.

Provost and Vice-President: Dr. David D. Komisar.

Vice-President for Administration: Richard S. Lewis.

Treasurer and Vice-President: Russel Neisloss.

Vice-President for University Resources: Thomas A. Pyle.

Vice-President for Student Affairs: George E. McKinley.

Registrar: Dr. James S. LeSure.

Director of Admissions: C. F. Nelson, Jr.

Business Manager: V. Tedeschi.

Librarian: J. McGavern.

Library of 260,000 vols.

Number of teachers: 275 full-time.

Number of students: 3,688 full-time undergraduates, 3,514 part-time undergraduates, 379 full-time graduates, 2,002 part-time graduates.

Deans:

Hartford Art School: B. Hanson.
College of Arts and Sciences: Dr. F. J. Chiarenza.
School of Business and Public Administration: F. C. Holder.
College of Basic Studies: K. L. Meinke.
College of Education: Dr. I. S. Starr.
College of Engineering: Dr. T. S. Lewis.
Hartt College of Music: Miss E. C. Warner.
Ward Technical College: John D. Driscoll.

UNIVERSITY OF NEW HAVEN

WEST HAVEN,
CONNECTICUT 06516
Telephone: (203) 934-6321.
Founded 1920.

President: Philip S. Kaplan.
Registrar: Joseph P. Macionus.
Director of Admissions: John Benevento.
Librarian: S. M. Baker, Jr.

The library contains 105,384 vols., 67,987 documents and 14,044 bound periodicals.

Number of teachers: 134 full-time, 300 part-time, total 434.

Number of students: 6,889.

WESLEYAN UNIVERSITY

HIGH ST., MIDDLETOWN,
CONNECTICUT 06457
Telephone: 347-9411.
Chartered 1831.

President: Colin G. Campbell.
Provost: C. W. Kerr, PH.D.
Dean of Admissions: Jane Morrison, M.S.
Secretary: C. W. Kerr, PH.D.
Librarian: Nina Cohen, M.A.

The library contains 725,000 vols.
Number of teachers: 300.
Number of students: 2,450.
Publication: *Bulletin* (quarterly).

WESTERN CONNECTICUT STATE COLLEGE

DANBURY, CONNECTICUT 06810
Telephone: (203) 792-1400.
Founded 1903.

President: Robert M. Bursi.
Registrar: William McKee.
Administrative Officer: Dr. Gilbert Teal.
Librarian: Robert Blaisdell.

Number of teachers 225.
Number of students: 5,248.

Deans:

Academic Dean: Dr. Gertrude Braun.
Graduate Studies: Dr. M. Jack Rudner.
Director of Teacher Education: Dr. Stephen Lovatt.

YALE UNIVERSITY

NEW HAVEN,
CONNECTICUT 06520
Telephone: (203) 436-4771.

Founded in 1701, named Yale College in 1718. Transition to University status took place from 1810 to 1861.

Private control.

President: A. Barlett Giamatti, PH.D.
Provost: Abraham Goldstein, LL.B.
Secretary: H. Chauncey, Jr., B.A.
Vice-President for Finance and Administration: Jerald L. Stevens, M.B.A.
Director of Institutional Relations and Alumni Programs: Charles E. Lord, B.A.
Corporation Officer for Institutional Development: John P. Millær, PH.D.
Librarian: R. D. Rogers, M.A.

Library: *see* Libraries.

Number of teachers: *c.* 1,500.
Number of students: *c.* 9,000.

Publications: *Yale Review, Yale Journal of Biology and Medicine, Yale Law Journal, Yale Alumni Magazine, American Journal of Science, Library Gazette, Bulletin of Art Gallery Associates, American Scientist, Journal of American Oriental Society, Journal of Biological Chemistry, Yale Divinity News, Journal of the History of Medicine and Allied Sciences, Journal of Music Theory, Yale Forest School News, Yale Scientific Magazine.*

Deans:

Yale College: H. D. Taft, PH.D.
School of Architecture: Cesar Pelli, M.S.ARCH.
Graduate School: Wendell R. Garner, PH.D.
Divinity School: Rev. C. W. Williams, PH.D.
School of Forestry and Environmental Studies: Charles H. W. Foster, PH.D.
Law School: Harry H. Wellington, LL.B.
School of Medicine: Robert W. Berliner, M.D., SC.D.
School of Music: P. F. Nelson, PH.D.
School of Nursing: Donna K. Diers, M.S.N.
School of Drama: R. Brustein, PH.D., LITT.D.
School of Organization and Management: William H. Donaldson, M.B.A.

Undergraduate Colleges:

Berkeley: *Master:* Robin W. Winks, PH.D.

Branford: *Master:* William Zinsser, B.A.

Calhoun: *Master:* Charles T. Davis, PH.D.

Davenport: *Master:* Firuz Kazemzadeh, PH.D.

Timothy Dwight: *Master:* Robert F. Thompson, PH.D.

Jonathan Edwards: *Master:* H. Catherine Skinner.

Morse: *Master:* Richard Granger, M.D.

Pierson: *Master:* G. Gaddis Smith, PH.D.

Saybrook: *Master:* Louis L. Martz, PH.D. (acting).

Silliman: *Master:* E. Clark, ll.b., m.a.

Ezra Stiles: *Master:* Hans W. Frei, ph.d.

Trumbull: *Master:* Michael G. Cooke, ph.d.

Professors:

Faculty of Arts and Sciences (Yale College and Graduate School):

Aaboe, A. H., ph.d., History of Science
Abelson, R. P., ph.d., Psychology
Adair, R. K., ph.d., Physics
Ahlstrom, S. E., ph.d., American and Modern Religious History
Anderson, J. R., Psychology
Anscombe, F. J., m.a., Statistics
Appelquist, T. W., ph.d., Physics
Apter, D. E., ph.d., Political Science and Sociology
Barghoorn, F. C., ph.d., Political Science
Barker, R. C., m.eng., ph.d., Applied Science
Baumer, F. L., ph.d., History
Beals, R. W., Mathematics
Behler, E., ph.d., German
Bell, W., ph.d., Sociology
Bennett, W. R., ph.d., Engineering and Applied Science
Beringer, E. R., ph.d., Physics
Berner, R. A., ph.d., Geology and Geophysics
Bernstein, Ira B., ph.d., Applied Science
Berson, J. A., ph.d., Chemistry
Blassingame, J. W., ph.d., History
Bloom, H. I., p.h.d., Humanities
Blum, J. M., ph.d., History
Bockelman, C. K., ph.d., Physics
Boorman, S. A., ph.d., Sociology
Borroff, Marie, ph.d., English
Bowman, W. S., Jr., m.a., Law and Economics
Brainard, W. C., ph.d., Economics
Bromley, D. A., ph.d., Physics
Brooks, P. P., ph.d., French and Comparative Literature
Brown, D., ph.d., Economics
Brumbaugh, R. S., ph.d., Philosophy
Buxton, C. E., ph.d., Psychology
Cahn, W. B., History of Art
Cannon, B. C., ph.d., History of Music
Chang, K-C., ph.d., Anthropology
Chang, R. K., ph.d., Engineering and Applied Science
Child, I. L., ph.d., Psychology
Chu, B.-T., ph.d., Engineering and Applied Science
Chupka, W. A., ph.d., Chemistry
Clark, B. R., ph.d., Sociology
Clark, S. P., Jr., ph.d., Geophysics
Coe, M. D., ph.d., Anthropology
Cohen, M. J., ph.d., Biology
Cole, A. T., Jr., ph.d., Classics
Conklin, H. C., ph.d., Anthropology
Cooke, M. G., ph.d., English
Cooper, R. N., ph.d., Economics
Correa, G., ph.d., Spanish
Cowgill, W. C., ph.d., Linguistics
Crosby, S. McK., ph.d., History of Art
Crothers, D. M., ph.d., Chemistry and Molecular Biophysics
Crowder, R. G., ph.d., Psychology
Crowley, J. B., ph.d., History
Culler, A. D., ph.d., English
Cunningham, W. J., ph.d., Engineering and Applied Science
Dahl, R. A., ph.d., Political Science
Davis, C. T., ph.d., Afro-American Studies and English
Davis, D. B., ph.d., History
De Man, P., ph.d., French and Comparative Literature
Demarque, P., ph.d., Astrophysics
Demetz, P., dr.phil., German and Comparative Literature
Diaz-Alejandro, C. F., ph.d., Economics
Doob, L. W., ph.d., Psychology
Dupre, L. K., ph.d., Religious Studies
Duran, M., ph.d., Spanish
Dyen, I., ph.d., Malayo-Polynesian Comparative Linguistics
Erikson, K., ph.d., Sociology
Erlich, V., ph.d., Russian Literature
Evenson, R. E., Economics
Faller, J. W., ph.d., Chemistry
Fei, J. C.-H., ph.d., Economics
Feidelson, C., ph.d., English
Feit, W., ph.d., Mathematics
Fenn, J. B., ph.d., Applied Science and Chemistry
Fesler, J. W., ph.d., Government
Fetter, R. B., d.b.a., Administrative Sciences
Fitch, F. B., ph.d., Philosophy
Fixman, M., ph.d., Chemistry
Fogelin, R. J., ph.d., Philosophy
Forte, A., m.a., Theory of Music
Frankel, H. H., ph.d., Chinese Literature
Frankfurt, H. C., ph.d., Philosophy
Freccero, J., ph.d., Italian
Fruton, J. S., ph.d., Biochemistry
Gall, J. G., ph.d., Biology and Molecular Biophysics
Galston, A. W., ph.d., Botany
Garen, A., ph.d., Molecular Biophysics
Garland, H., ph.d., Mathematics
Garner, W. R., ph.d., Psychology
Gatzke, H. W., ph.d., History
Gaudon, J. A. M., d.l., French Literature
Gay, P., ph.d., History
Geanakoplos, D. J., ph.d., History and Religious Studies
Glier, ph.d., German
Goldsmith, T. H., ph.d., Biology
Gordon, R. B., d.eng., Applied Science and Geophysics
Gould, T. F., ph.d. Classics
Greenberg, J. S., ph.d., Physics
Greene, T. McL., ph.d., English and Comparative Literature
Gursey, F., ph.d., Physics
Hall, J. W., ph.d., History
Hallo, W. W., ph.d., Assyriology
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Hanson, A. C., ph.d., History of Art
Harries, K., ph.d., Philosophy
Hartigan, J. A., ph.d., Statistics
Hartman, G., ph.d., English and Comparative Literature
Hartman, W. D., ph.d., Biology
Haverkamp-Begemann, E., ph.d., History of Art
Henning, B. D., ph.d., History
Herbert, R. L., ph.d., History of Art
Herington, C. J., m.a., Greek
Hersey, G. L., History of Art
Herzenberg, A., ph.d., d.sc., Engineering and Applied Science
Hexter, J. H., ph.d., History
Hirshfield, J. L., ph.d., Applied Science
Hollander, J., English
Howe, R. E., ph.d., Mathematics
Hughes, V. W., ph.d., Physics
Hunter, G. K., English
Hutchinson, F., m.a., sc.d., Biophysics
Irons, E. T., ph.d., Computer Science
Jackson, R. L., ph.d., Russian Literature
Jacobson, N., ph.d., Mathematics
Jameson, F. R., ph.d., French
Janis, I. L., ph.d., Psychology
Kagan, D., ph.d., History and Classics
Kakutani, S., ph.d., Mathematics
Kazemzadeh, F., ph.d., History
Kessen, W., ph.d., Psychology
Klein, M. J., ph.d., History of Physics
Klevorick, A. K., ph.d., Law and Economics
Koopmans, T. C., ph.d., Economics
Körner, S., ph.d., Philosophy
Kramer, G. H., ph.d., Political Science
Kubler, G. A., ph.d., History of Art
Lamar, H. R., ph.d., American History
Lane, R. E ph.d., Political Science
Lang, S., Mathematics
La Palombara, J., ph.d., Political Science
Larson, R. B., ph.d., Astronomy
Lee, R., Mathematics
Lengyel, P., ph.d., Molecular Biophysics
Leonhard, W., ph.d., History
Lewis, H. B., ph.d., Psychology
Lewis, R. W. B., ph.d., English and American Studies
Liberman, A. M., ph.d., Linguistics
Lichten, W. L., ph.d., Physics
Lindblom, C. E., ph.d., Economics and Political Science
Linz, J. J., ph.d., Sociology and Political Science
Lopez, R. S., ph.d., History
Lord, G. DeF., Jr., ph.d., English
Lounsbury, F. G., ph.d., Anthropology
Lyons, P. A., ph.d., Chemistry
MacAvoy, P. W., ph.d., Organization and Management and Economics
MacDowell, S. W., ph.d., Physics
MacIntyre, A. J., ph.d., Mathematics
Mack, M., ph.d., English
MacMullen, R., ph.d., History and Classics
McClellan, E., Japanese Literature
McClure, R. D., Astronomy
McGuire, W. J., ph.d., Psychology
Marcus, R. B., ph.d., Philosophy
Markert, C. L., ph.d., Biology
Martin, S. E., ph.d., Far Eastern Linguistics
Martz, L. L., ph.d., English
Massey, W. S., ph.d., Mathematics
May, G. M., ph.d., French
Mayhew, D. R., Political Science
Meeks, W. A., b.d., ph.d., Religious Studies
Merriman, D., ph.d., Biology
Metlitzki, D., ph.d., English
Miller, J. H., ph.d., English
Miller, J. P., ph.d., Social Science
Miller, R. S., Wildlife Ecology and Biology
Miskimin, H. A., ph.d., History
Montgomery, C. F., m.a., History of Art
Montias, J. M., ph.d., Economics
Morgan, E. S., ph.d., History
Morowitz, H. J., ph.d., Molecular Biophysics
Morse, A. S., ph.d., Engineering and Applied Science
Morse, R. McG., ph.d., History
Mostow, G. D., ph.d., Mathematics
Myers, J. K., ph.d., Sociology
Narendra, K. S., ph.d., Engineering and Applied Science
Natanson, M., ph.d., Philosophy
Nelson, L., Jr., ph.d., Comparative Literature
Nelson, R. R., ph.d., Economics
Nordhaus, W. D., ph.d., Economics
Onat, E. T., d.sc., Engineering and Applied Science
Orcutt, G. H., ph.d., Economics, Urban Studies
Orville, P. M., ph.d., Petrology
Ostrom, J. H., ph.d., Geology and Geophysics
Ozment, S. E., ph.d., Religious Studies
Palisca, C. V., ph.d., History of Music

Parker, P. D. M., PH.D., Physics
Parker, W. N., PH.D., Economics
Patrick, H. T., PH.D., Economics
Patterson, A. P., Jr., PH.D. Chemistry
Paulson, R. H., PH.D., English
Peck, M. J., PH.D., Economics
Pelikan, J. J., Jr., PH.D., Ecclesiastical History
Pelzer, K. J., PH.D., Geography
Perlis, A. J., PH.D., SC.D., Computer Science
Phillips, A., DR.ENG., Engineering and Applied Science
Picchio, R. P., DR.LETT., Slavic Literatures
Pilbeam, D. R., PH.D., Anthropology
Plantinga, L. B., PH.D., History of Music
Pollitt, J. J., PH.D., Classical Archaeology and History of Art
Pope, M. H., PH.D., Semitic Languages
Porter, C. A., PH.D., French
Pospisil, L. J., PH.D., Anthropology
Poulson, D. F., PH.D., Biology
Powell, R. P., PH.D., Economics
Price, D. J. de S., PH.D., History of Science
Price, M. M., PH.D., English
Prown, J. D., PH.D., History of Art
Rae, D. W., PH.D., Political Science
Ranis ,G., PH.D., Economics
Reiss, A. J., Jr., PH.D., Sociology
Rescorla, R. A., PH.D., Psychology
Reynolds, L. G., PH.D., LL.D., Economics
Rhoads, D. C., PH.D., Geology
Richards, F. M., PH.D., Molecular Biophysics
Rickart, C. E., PH.D., Mathematics
Robertson, W. D., D.SC., Applied Science
Robinson, F. C., PH.D., English
Rodgers, J., PH.D., Geology
Rodriguez-Monegal, E., PH.D., Latin-American Literature
Rosenbaum, J. L., Biology
Rosenthal, F., DR.PHIL., Near Eastern Languages
Rosner, D. E., PH.D., Engineering and Applied Science
Rouse, I., PH.D., Anthropology
Ruddle, F. H., PH.D., Biology and Human Genetics
Ruggles, R., PH.D., Economics
Russett, B. M., PH.D., Political Science
Saltzman, B., PH.D., Geology and Geophysics
Sammons, J. L., PH.D., German Literature
Sandweiss, J., PH.D., Physics
Sarason, S. B., PH.D., Psychology
Saunders, M., PH.D.. Chemistry
Scarf, H. E., PH.D., Economics
Schank, R. C., Computer Science and Psychology
Scheffler, H. W., PH.D., Anthropology
Schenker, A. M., PH.D., Slavic Linguistics
Schoolfield, G. C., PH.D., German and Scandinavian Literatures
Schrader, G. A., Jr., PH.D., Philosophy
Schultheiss, P. M., PH.D., Engineering and Applied Science
Schultz, H. L., PH.D., Physics
Schultz, M. H., PH.D., Computer Science
Schulz, T. P., PH.D., Economics of Population
Scott, A. I., D.SC., PH.D., Chemistry
Scott, J. C., Political Science
Scully, V. J., Jr., PH.D., History of Art
Seligman, G. B., PH.D., Mathematics
Seymour, C., Jr., PH.D., History of Art
Shaumyan, S. K., DR.SCI., Linguistics
Sheffield, F. D., PH.D., Psychology
Shestack, A., M.A., History of Art
Shubik, M., PH.D., Mathematical Institutional Economics
Sibley, C. G., Biology, Ornithology
Simons, E. L., PH.D., D.PHIL., Geology
Simpson, W. K., PH.D., Egyptology
Sinanoglu, O., PH.D., Molecular Biophysics and Chemistry
Singer, J. L., PH.D., Psychology
Siu, Y-T., PH.D., Mathematics
Skinner, B. J., PH.D., Geology and Geophysics
Smith, G. G., PH.D., History
Smith, J. E., PH.D., Philosophy
Söll, D. G., PH.D., Molecular Biophysics and Biochemistry
Sommerfield, C. M., PH.D., Physics
Spence, J. D., PH.D., History
Stankiewicz, E., PH.D., Slavic Linguistics
Stanley, E. G., PH.D., English
Stepan, A. C., PH.D., Political Science
Stimson, H. M., PH.D., Chinese Linguistics
Stowe, B. B., PH.D., Biology
Stryer, L., M.D., Molecular Biophysics and Biochemistry
Sussex, I. M., PH.D., Biology
Sylvester, R. S., PH.D., English
Szczarba, R. H., PH.D., Mathematics
Taft, H. D., PH.D., Physics
Tamagawa, T., D.SC., Mathematics
Thompson, L. M., D.LITT., History
Thompson, R. F., PH.D., History of Art
Thomson, K. S., PH.D., Biology
Tobin, J., PH.D., Economics
Trachtenberg, A., PH.D., American Studies and English
Triffin, R., PH.D., JUR.D., Economics
Trinkaus, J. P., PH.D., Biology
Tufte, E. R., Political Science and Statistics
Turekian, K. K., PH.D., Geology and Geophysics
Turner, H. A., Jr., PH.D., History
Tuteur, F. B., M.ENG., PH.D., Engineering and Applied Science
Valesio, P., PH.D., Italian Linguistics
Van Altena, W. F., PH.D., Astronomy
Veronis, G., PH.D., Geology and Applied Science
Waage, K. M., PH.D., Geology
Wagner, A. R., PH.D., Psychology
Waite, W. G., PH.D., History of Music
Waith, E. M., PH.D., English
Walker, C. A., D.ENG., Engineering
Wandycz, P. S., History
Wasserman, H. H., PH.D., Chemistry
Waterman, T. H., PH.D., Biology
Wegener, P. P., SC.D., Applied Science
Weinstein, S., PH.D., Buddhist Studies
Wells, R. S., 3rd., PH.D., Linguistics and Philosophy
Westerfield, H. B., PH.D., Political Science
Wheeler, R. G., PH.D., Engineering and Applied Science
Wheeler, S., PH.D., Law and Sociology
Whitaker, T. R., PH.D., English
Wiberg, K. B., PH.D., Chemistry
Williams, G. W., M.A., Classics
Winks, R. W., PH.D., History
Wolf, W. P., PH.D., Engineering and Applied Science
Woodward, C. V., PH.D., History
Wright, A. F., PH.D., B.LITT., History
Yu, Y., History
Zigler, E. F., PH.D., Psychology
Zweig, F., PH.D., Engineering and Applied Science

School of Medicine:

Ablow, R. C., M.D., Clinical Diagnostic Radiology and Paediatrics
Adelberg, E. A., PH.D., Human Genetics
Aghajanian, G. K., M.D., Psychiatry and Pharmacology
Andriole, V. T., M.D., Medicine
Astrachan, B. M., M.D., Clinical Psychiatry
Atkins E., M.D., Medicine
Barnett, R. N., Pathology
Barrnett, R. J., M.D., Cytology
Baue, A. E., M.D., Surgery
Berliner, R. W., M.D., Medicine and Physiology
Bertino, J. R., M.D., Medicine, Pharmacology
Bitensky, M. W., M.D., Pathology
Black, F. L., PH.D., Epidemiology
Blatt, S. J., PH.D., Psychiatry and Psychology
Bouhuys, A., M.D., PH.D., Medicine and Epidemiology
Bove, J. R., M.A., M.D., Laboratory Medicine
Bowers, M. B., M.D., Psychiatry
Braverman, I. M., M.D., Dermatology
Breg, W. R., Clinical Human Genetics and Paediatrics
Byck, R., Clinical Pharmacology and Psychiatry
Cahow, C. E., Clinical Surgery
Canellakis, E. S., PH.D., Pharmacology
Carter, D., Pathology
Carter, D. M., Dermatology
Casals-Ariet, J., M.D., Epidemiology
Chandler, W. K., M.D., Physiology
Chrisman, O. D., Orthopaedic Surgery
Clement, D. H., Paediatrics
Cohart, E. M., M.D., M.P.H, Public Health
Cohen, L. S., M.A., M.D., Medicine
Cole, J. W., M.D., Surgery
Coleman, J. E., M.D., PH.D., Molecular Biophysics and Biochemistry
Coleman, J., Public Health and Psychiatry
Collins, W. F. Jr., M.D., Neurosurgery
Comer, J. P., M.D., Psychiatry
Conn, H. O., M.D., Medicine
Cooper, J. R., PH.D., Pharmacology
Cotlier, E., Ophthalmology and Visual Science
Crelin, E. S., Jr., PH.D., Anatomy
Davey, L. M., Surgery
Davis, C. D., M.D., Obstetrics and Gynaecology
Dolan, T. F., M.D., Clinical Paediatrics
Donaldson, R. M., M.D., Medicine
Douglas, W. W., M.D., Pharmacology
Downing, S. E., M.D., Pathology
Downs, W. G., Epidemiology
Dubois, A. B., M.D., Epidemiology and Physiology
Ebbert, A., Jr., M.D., Clinical Medicine
Edelson, M., M.D., Psychiatry
Eisenstadt, J. M., Human Genetics
Errera, P. L., M.A., M.D., Clinical Psychiatry
Evans, A. S., M.D., M.P.H., Epidemiology
Farquhar, M. G., PH.D., Cell Biology
Feinstein, A. R., M.D., Medicine, Epidemiology
Felig, P., M.D., Medicine
Fischer, J. J., M.D., PH.D., Therapeutic Radiology
Fleck, S., M.D., Psychiatry
Flynn, J. P., PH.D., Psychology
Forbes, T. R., PH.D., Anatomy
Gershon, R. K., M.D., Pathology
Giebisch, G. M.D., Physiology
Gifford, R. H., M.D., Clinical Medicine
Gillis, C. N., PH.D., Anaesthesiology
Glaser, G. H., M.D., MED.SC.D., Neurology
Glenn, W. W. L., M.D., Surgery
Glickman, M. G., Clinical Diagnostic Radiology
Goffinet, J. A., M.D., Clinical Medicine
Goldenberg, I. S., M.D., Clinical Surgery
Goldstein, P. S., Paediatrics

Goodyer, A. V. N., M.D., Medicine
Gottschalk, A., M.D., Diagnostic Radiology
Green, R. H., Medicine
Greene, N. M., M.D., Anaesthesiology
Greengard, P., PH.D., Pharmacology
Greenspan, R. H., M.D., Diagnostic Radiology
Gryboski, J. D., Paediatrics
Handschumacher, R. E., PH.D., Pharmacology
Hayes, M. A., M.D., PH.D., Surgery
Heninger, G., M.D., Clinical Psychiatry
Hess, O. W., Obstetrics and Gynaecology
Hodson, C. T., M.D., Diagnostic Radiology
Hoffman, J. F., PH.D., Physiology
Hoffer, P. B., Diagnostic Radiology
Horstmann, Dorothy M., M.D., D.SC., Epidemiology and Paediatrics
Howard, R. O., Ophthalmology
Howard-Flanders, P., PH.D., Radiobiology and Molecular Biophysics
Hsiung, G. D., PH.D., Laboratory Medicine
Igersheimer, W. W., Psychiatry
Irwin, G. A. L., Diagnostic Radiology
Jackson, S. W., M.D., Clinical Psychiatry
Jamieson, J. D., PH.D., Cell Biology
Jatlow, P. I., M.D., Laboratory Medicine
Johnston, W. D., Dental Surgery
Jonas, A. M., D.V.M., Health Science Resources
Kantor, F. S., M.D., Medicine
Kaplow, L. S., M.D., Pathology and Laboratory Medicine
Kase, N. G., M.D., Obstetrics and Gynaecology
Kashgarian, M., M.D., Pathology
Kasl, S. V., PH.D., Epidemiology
Kier, E. L., M.D., Diagnostic Radiology
Kirchner, J. A., M.D., Otolaryngology
Kitahata, L. M., M.D., Anaesthesiology
Klatskin, E. H., PH.D., Clinical Psychology
Klatskin, G., M.D. Medicine
Klaus, S. N., M.D., Dermatology
Kleber, H. D., M.D., Clinical Psychiatry
Konigsberg, W., PH.D., Molecular Biophysics and Biochemistry
Krizek, T. J., M.D., Plastic Surgery
Kushlan, S. D., Medicine
Lattanzi, W. E., Paediatrics
Lavietes, P. H., Medicine and Public Health
Leavy, S. A., Psychiatry
Lerner, A. B., PH.D., M.D., Dermatology
Lerner, M. R., M.D., Clinical Dermatology
Levine, R. J., M.D., Medicine
Levinson, D. J., PH.D., Psychology
Levitin, H., M.D., Clinical Medicine
Levy, L. L., Neurology
Lewis, M., M.D., Clinical Paediatrics and Psychology
Lidz, R. W., Psychiatry
Lidz, T., M.D., Psychiatry
Lifton, R. J., M.D., Psychiatry
Lindenmuth, W. W., Surgery
Lipsky, S. R., M.D., Physical Medicine
Loewald, H., Psychiatry
Lowman, R. M., M.D., Diagnostic Radiology
Lytton, B., M.D., Urology
McAllister, W. B., M.D., Clinical Pathology
McCollum, R. W., M.D., Epidemiology
McGuire, J. S., Jr., M.D., Dermatology
Maas, J. W., M.D., Psychiatry
Mahl, G. F., PH.D., Psychology
Malawista, S. E., M.D., Medicine
Manuelidis, E. E., M.D., Pathology
Marchesi, V. T., M.D., Pathology
Marsh, J. C., Clinical Medicine
Mattson, R. H., Neurology
Meigs, J. W., Epidemiology
Miller, I. G., Paediatrics
Miller, W. H., M.D., Ophthalmology
Milstone, J. H., M.D., Pathology
Morris, J. M., M.D., Gynaecology
Niederman, J. C., Epidemiology and Medicine
Norton, N., Social Work in Psychiatry
Ongley, P. A., Paediatrics
Ostfeld, A. M., M.D., Epidemiology and Public Health
Palade, G. E., M.D., Cell Biology
Pasternak, M., Psychiatry
Pearson, H. A., M.D., Pediatrics
Pellegrino, E. D., Medicine
Pickett, L. K., M.D., Clinical Surgery and Paediatrics
Pincus, J. H., M.D., Neurology
Prelinger, E., Psychology in Psychiatry
Provence, Sally A., M.D., Paediatrics
Prusoff, W. H., M.S., PH.D., Pharmacology
Radding, C. M., M.D., Medicine and Molecular Biophysics and Biochemistry
Rasmussen, H., M.D., Medicine and Cell Biology
Reiser, M. F. M.D., Psychiatry
Richards, F. F., M.D., Medicine
Riedel, D. C., M.S., PH.D., Public Health
Ritchie, J. M., PH.D., SC.D., Pharmacology
Ritvo, S., Psychiatry
Root, R. K., M.D., Medicine
Rosen, G., M.D., PH.D., History of Medicine
Rosenberg, L. E., M.D., Human Genetics, Medicine, and Paediatrics
Roth, O., Medicine
Rothenberg, A., Psychiatry
Rowe, D. S., M.D., Clinical Paediatrics and Public Health
Sartorelli, A. C., PH.D., Pharmacology
Schowalter, J. E., M.D., Clinical Paediatrics and Psychiatry
Schulz, R. J., PH.D., Clinical Therapeutic Radiology
Sears, M. L., M.D., Ophthalmology
Seligson, D., M.D., Laboratory Medicine
Shope, R. E., M.D., Epidemiology
Silver, G. A., M.D., M.P.H., Public Health
Simmonds, S., PH.D., Molecular Biophysics and Biochemistry
Singer, J. L., Psychology
Solitaire, G. B., Pathology
Solnit, A. J., M.D., Paediatrics and Psychiatry
Son, Y. H., Clinical Therapeutic Radiology
Southwick, W. O., M.D., Orthopaedic Surgery
Spiro, H. M., M.D., Medicine
Stansel, H. C., M.D., Clinical Surgery
Stevens, C. F., M.D., PH.D., Physiology
Stolwijk, J. A. J., Environmental Health
Storer, E. H., M.A., M.D., Surgery
Stubblefield, R. L., Psychiatry
Talner, N. S., M.D., Paediatrics and Diagnostic Radiology
Taub, A., Anaesthesiology
Thier, S. O., M.D., Medicine
Thompson, J. D., B.S., Public Health
Tischler, G. L., M.D., Clinical Psychiatry
Treffers, H. P., PH.D., Pathology
Von Graevenitz, A. W. C., M.D., Laboratory Medicine
Waksman, B. H., M.D., Pathology
Warshaw, J. B., M.D., Paediatrics and Obstetrics and Gynaecology
Weiss, R., M.D., Urology
Weissman, S. M., M.D., Human Genetics, Medicine, and Molecular Biophysics and Biochemistry
Wessel, M. A., Paediatrics
Wexler, H., Psychiatry
White, A. A., Biomechanics
White, C., M.D., Public Health
Whittemore, R., Paediatrics
Wright, H. K., M.D., Surgery
Yesner, R., M.D., Pathology

School of Law:

Ackerman, B. A., LL.B.
Bishop, J. W., Jr., LL.B., M.A.
Bittker, B. I., LL.B., M.A.
Black, C. L., LL.B., M.A.
Bork, R.
Bowman, W. S., Jr., M.A.
Brewster, K., Jr., LL.B.
Brown, R. S., Jr., LL.B., M.A.
Burt, R. A.
Calabresi, G., LL.B., M.A.
Chirelstein, M. A., J.D.
Clark, E., LL.B., M.A.
Clark, R. C.
Cover, R. M., LL.B.
Damaska, M.
Deutsch, J. G., LL.B., PH.D.
Duke, S. B., LL.M.
Fiss, O. M., LL.B.
Gilmore, G., PH.D.
Goldstein, A. S., LL.B., M.A.
Goldstein, J., LL.B., PH.D.
Hazard, G. C., Jr., LL.B.
Johnstone, Q., J.S.D.
Katz, J., M.D.
Klevorick, A. K., PH.D.
Leff, A. A., LL.B.
Lipson, L. S., LL.B., M.A.
Marshall, B., LL.B., M.A.
Mashaw, J.
Peters, Ellen A., LL.B., M.A.
Reisman, W. M., B.A., J.S.D.
Rostow, E. V., M.A., LL.D.
Simon, J. G., LL.B., M.A.
Wellington, H. H., M.A., LL.B.
Wheeler, S., PH.D.
Winter, R. K., Jr., LL.B.

Divinity School:

Adams, Rev. H. B., Pastoral Theology
Burgess, Rev. J. M., Ministry
Ahlstrom, S. E., PH.D., Modern Religious History
Childs, B. S., TH.D., Old Testament
Dahl, N. A., TH.D., New Testament
Dittes, J. E., PH.D., Psychology of Religion
Dobihal, E. F., Jr., PH.D., Pastoral Care
Forman, C. W., PH.D., Missions
Frei, H. W., PH.D., Religious Studies
Geanakoplos, D. J., PH.D., History and Religious Studies
Hein, N. J., PH.D., Comparative Religion
Holmer, P. L., PH.D., LITT.D., LL.D., Theology
Johnson, Rev. R. C., S.T.M., PH.D., D.D., Theology
Kavanagh, A. J., O.S.B., S.T.D., Liturgics
Kelsey, D. H., PH.D., Theology
Lindbeck, G. A., PH.D., Theology
Lovett, A. S., Biblical Literature
Miller, Rev. R. C., PH.D., S.T.D., D.D., Christian Education
Muehl, E. W., LL.B., LL.D., D.D., Practical Theology
Pope, M. H., PH.D., Semitic Languages
Nouwen, H., Pastoral Theology
Williams, C. W., PH.D., Religion

School of Forestry and Environmental Studies:

Bormann, F. H., PH.D., Forest Ecology
Burch, W. R., Jr., PH.D., Forest Sociology
Foster, C. H., PH.D., Forestry

Furnival, G. M., D.F., Forest Management
Galston, A. W., PH.D., Botany and Forestry
Mergen, F., M.F., PH.D., Forestry
Miller, R. S., D.PHIL., Wildlife Ecology
Reifsnyder, W. E., M.F., PH.D., Forest Meteorology
Smith, D. M., M.F., PH.D., Silviculture
Stowe, B. B., PH.D., Biology and Forestry
Voigt, G. K., PH.D., Forest Soils
Worrell, A. C., M.F., PH.D., Forest Policy

School of Art:
Bailey, W. H., M.F.A., Art
Chaet, B. R., B.S.ED., Painting
Eisenman, A., M.A., Graphic Design
Peterdi, G. F., M.A., Printmaking

School of Architecture:
Gehner, M. D., M.ARCH., Architectural Engineering
Pelli, C., M.S.ARCH., Dean
Spiegel, H., B.S.ARCH., M.ENG., Architectural Engineering

School of Music:
Baker, R. S., S.M.D., L.H.D.
Currier, D. R., M.M.
Davenny, W. M., MUS.M.
French, R. F., M.A.
Heath, F. F., Jr., M.M., Choral Music
Krigbaum, C. R., M.F.A.
Nelson, P., PH.D.
Parisot, A. S., M.A.
Stern, B. G., M.S.
Wilson, K., MUS.M.

School of Organization and Management:
Ackerman, B. A., LL.B., Law
Berney, P. R., Accounting
Calabresi, G., LL.B., Law
Cooper, R. N., PH.D., Economics
Donaldson, W. H., M.B.A., Management Studies
Fetter, R. B., D.B.A., Administrative Sciences
Isaacson, L., Practice of Management
Lindblom, C. E., PH.D., Political and Social Science
MacAvoy, P. W., PH.D., Economics and Management
Nelson, R. R., PH.D., Economics
Peck, M. J., PH.D., Economics
Polsby, N. W., PH.D., Economics and Management
Ross, S. A., Economics
Sarason, S. B., PH.D., Psychology
Shubik, M., PH.D., Economics
Vroom, V. H., PH.D., Psychology
Winter, S. G., PH.D., Economics and Management

School of Drama:
Brustein, R., PH.D., English

Affiliated Institutes:

Institute for Sacred Music: Dir. Jon D. Bailey.

Institute for Social and Policy Studies: Dir. Charles E. Lindblom, PH.D.

DELAWARE

DELAWARE STATE COLLEGE

DUPONT HIGHWAY,
DOVER, DELAWARE 19901
Telephone: 678-4901.
Founded 1891.

President: Dr. Luna I. Mishoe.
Registrar: F. J. Franklin.
Librarian: Dr. Daniel Coons.

The library contains 112,870 vols., 22,000 microtexts.

Number of teachers: 139.
Number of students: 2,348.

UNIVERSITY OF DELAWARE

NEWARK, DELAWARE 19711
Telephone: 738-2000.

Founded 1833 from the Newark Academy founded in 1765; Chartered 1769.

Academic year: September to June (two terms).

President: E. Arthur Trabant, PH.D.
Provost and Vice-President for Academic Affairs: L. Leon Campbell, PH.D.
Vice-President for University Development: Norman C. Smith, A.B.
Vice-President for Student Affairs and Administration: J. E. Worthen, ED.D.
Librarian: J. M. Dawson, PH.D.

Number of teachers: 782.
Number of students: 10,315 men, 10,664 women, total 20,979.

University publications: *Bibliography of Faculty Publications, The University News, Catalogue, Bulletins.*

Deans:

College of Agricultural Sciences: D. F. Crossan, PH.D.
College of Arts and Science: Helen Gouldner, PH.D.
College of Business and Economics: Eric Brucker, PH.D.
College of Education: Billy E. Ross, ED.D. (acting).
College of Engineering: Irwin G. Greenfield, PH.D.
College of Human Resources: Alexander Doberenz, PH.D.
College of Graduate Study: (vacant).
College of Nursing: Edith Anderson, PH.D.
College of Marine Studies: W. S. Gaither, PH.D.
College of Urban Affairs and Public Policy: Daniel Rich (acting).

Professors:

Allen, LeR., Education
Anderson, E., Nursing
Arnsdorf, V., Education
Banerjee, K. S., Mathematical Sciences
Barnett, A. Electrical Engineering
Baxter, W., Mathematics
Ben-Israel, A., Mathematics
Bennett, A. LeR., Political Science
Benton, W. J., Animal Science and Agricultural Biochemistry
Biebuyck, D. P., Anthropology
Bilinsky, Y., Political Science
Billon, S. A., Business Administration
Birchenall, C. E., Metallurgy
Bischoff, K., Biomedical Engineering
Boer, K., Engineering
Bohner, C. H., English
Bohning, E., Languages and Literature
Bolgiano, L. P., Electrical Engineering
Boord, R. L., Life and Health Sciences
Borden, G. A., Communication
Bowen, Z., English
Boyer, W. W., Jr., Political Science
Brabner, G., Education
Braun, T. E. D., Languages and Literature
Bray, D. P., Entomology
Brockenbrough, T. W., Civil Engineering
Brown, C. H., Sociology
Brown, J. A., Education
Burbutis, P. P., Entomology
Burmeister, J. L., Chemistry
Bushman, R. L., History
Cady, H. L., Music
Callahan, R., History
Campbell, L. L., Life and Health Sciences
Carriker, M., Marine Studies
Catts, E. P., Entomology
Chambliss. W., Sociology
Chesson, E., Jr., Civil Engineering
Chou, T. W., Mechanical and Aerospace Engineering
Christensen, M. A., English
Cicala, G., Psychology
Clark, A. M., Life and Health Sciences
Colman, R. F., Chemistry
Colton, D., Mathematics
Cooper, C. B., Physics
Cope, M., Art History
Cox, R. L., English
Craven, E. W., Art History
Cronin, T. E., Political Science
Crossan, D., Plant Science
Crouse, J. H., Educational Foundations
Curtis, J., History
Da Cunha, J., Art
Daiber, F. C., Marine Studies and Life and Health Sciences
Danberg, J., Mechanical and Aerospace Engineering
Daniels, W. B., Physics
Davison, R., English
Dawson, J., Libraries
Dean, R. G., Civil Engineering and Marine Studies
DeHaven, A. L., Nursing
Denn, M., Chemical Engineering
Dilley, F., Philosophy
DiPietro, R., Languages and Literature
DiRenzo, G., Sociology
Doberenz, A., Foods and Nutrition
Dunham, C. W., Plant Science
Dunn, A. H., III, Business Administration
Edington, J. W., Mechanical and Aerospace Engineering
Exline, R. V., Psychology
Farber, D., Electrical Engineering
Farnham-Diggory, S., Education
Ferguson, E. S., History
Fieldhouse. D. J., Plant Science
Fletcher, W. A., History
Francis, D. W., Life and Health Sciences
Frantz, N. R., Jr., Occupational Education
Gaither, W. S., Marine Studies
Gates, B. C., Chemical Engineering
Gibbs, R., Marine Studies
Gilbert, R. P., Mathematics
Glenn, E., Communication
Goodrich, R., Mathematics
Gouldner, H., Sociology
Granda, A. M., Life and Health Sciences
Greenfield, I. G., Mechanical and Aerospace Engineering, Metallurgy
Haenlein, G. F. W., Animal Science
Halio, J., English
Haner, F. T., Business Administration
Haskell, M., Urban Affairs
Hauty, G. T., Psychology
Heck, R. F., Chemistry
Hill, R. N., Physics
Hoerl, A., Statistics and Computer Science
Hogan, R. C., English
Homer, W. I., Art History
Hsiao, G. C., Mathematics
Hunsperger, R., Electrical Engineering
Hutchinson, H. D., Economics
Huthmacher, J. J., History
Izard, C., Psychology

Katzer, J., Chemical Engineering
Kerner, E. H., Physics
Kerr, A., Civil Engineering
King, J. R., Music
Kirch, M. S., Languages and Literature
Kleinman, R., Mathematics
Kraft, J. C., Geology
Kramer, J. J., Electrical Engineering
Kwart, H., Chemistry
Lamb, D. E., Computer and Information Sciences, Chemical Engineering
Lemay, J. A. L., English
Leslie, C., Life and Health Sciences
Libera, R., Mathematics
Livingston, A., Mathematics
Lou, D. Y. S., Mechanical and Aerospace Engineering
Lukashevich, S., History
Lurie, E., Life and Health Sciences and History
Lutz, B. C., Electrical Engineering
McCullough, R., Chemical Engineering
McLaren, J. C., Languages and Literature
Mangone, G., Marine Studies and Political Science
Markell, W., Accounting
Mather, J. R., Geography
Maw, W. H., Education
Meakin, J. D., Energy Conversion, Mechanical Engineering and Materials Science
Merrill, J. M., History and Marine Studies
Merrill, T., English
Metzner, A. B., Chemical Engineering
Meyer, D., History
Mitchell, W., Plant Science
Moody, W. B., Curriculum and Instruction and Mathematics
Mooers, C. N. K., Marine Studies
Moore, J. A., Chemistry
Moss, J. F., Art
Moszynski, J. R., Mechanical and Aerospace Engineering
Munroe, J. A., History
Munson, M. S. B., Chemistry
Murray, F., Education
Murray, R. B., Physics
Nashed, M. Z., Mathematics
Neale, D. C., Education
Nelson, D. M., Physical Education
Neuts, M., Computer and Information Sciences; Mathematics
Nicholls, R. L., Civil Engineering
Nocito, G., Art
Noggle, J., Chemistry
Norman, R. A., Management
Norton, D. L., Philosophy
Olson, J. H., Chemical Engineering
Palley, M. L., Political Science
Pellicciaro, E. J., Mathematics
Pigford, R. L., Chemical Engineering
Preiss, J. W., Physics
Raymond, H. R., Physical Education
Rechnitz, G., Chemistry
Remage, R., Jr., Mathematics
Reynolds, H. T., Political Science
Rosenberry, E. H., English
Ross, B. E., Education
Rowe, C. A., Art
Runnels, T., Animal Science
Russell, T. W. F., Chemical Engineering
Rylander, C. R., Physical Education
Salsbury, R. L., Animal Science and Agricultural Biochemistry
Sandler, S. I., Chemical Engineering
Scarborough, E. N., Agricultural Engineering
Scarpitti, F. R., Sociology
Schmidt, B. G., Business Administration
Schultz, J., Chemical Engineering
Schweizer, E., Chemistry
Seidel, B. S., Mechanical and Aerospace Engineering
Sharnoff, M., Physics
Shurtleff, B., Art
Siegel, J., Psychology
Sloane, A. A., Business Administration
Sloyer, C., Mathematics
Smith, F. L., Psychology
Smith, R. C., Agricultural and Food Economics
Somers, G. F., Life cnd Health Sciences; Marine Studies
Spielman, L. A., Civil and Chemical Engineering
Stakgold, I., Mathematics; Civil, Mechanical and Aerospace Engineering
Stark, R., Computer and Information Sciences, Civil Engineering
Stegner, R., Education and Life and Health Sciences
Stillman, D., Art History
Straka, G., History
Swain, F. M. ,Geology and Marine Studies
Tannian, F. X., Urban Affairs and Public Policy
Teel, M. R., Plant Science
Teis, D., Art
Trabant, E. A., Engineering
Tripp, M. R., Life and Health Sciences
Valbuena, A. J., Languages and Literature
Venezky, R., Education
Vincent, W. S., Life and Health Sciences
Vinson, J. R., Mechanical and Aerospace Engineering; Marine Studies
Wang, Hsiang, Civil Engineering and Marine Studies
Warfield, G., Energy Conversion and Electrical Engineering
Warren, R., Urban Affairs and Public Policy; Marine Studies
Warter, P., Electrical Engineering
Weaver, J. W., Textiles, Design and Consumer Economics
Weinacht, R. J., Mathematics
Wetlaufer, D. B., Chemistry
Williams, F. E., Physics
Wilson, C., Education
Wolters, R. B., History
Wood, R. H., Chemistry
Wriston, J. C., Jr., Chemistry
Wu, J., Marine Studies and Civil Engineering
Yang, C. Y., Civil Engineering
Yolles, S., Chemistry
Young, M., Mechanical and Aerospace Engineering
Zimmerman, J., Mechanical and Aerospace Engineering
Zsoldos, L., Economics
Zuckerman, M., Psychology

DISTRICT OF COLUMBIA

THE AMERICAN UNIVERSITY

WASHINGTON, D.C. 20016
Telephone: (202) 686-2000.

Chartered 1893.

President: Joseph J. Sisco.
Provost: Richard E. Berendzen.
Vice-President for Development: Douglas Trout.
Dean of Admissions: Edward G. Boehm (acting).
Registrar: Constance Collins.
Librarian: D. Dennis.

Number of teachers: 425.
Number of students: 12,974.

Deans:

College of Arts and Sciences: Frank Turaj.
School of Business Administration: Herbert E. Striner.
School of Nursing: Laura Kummer.
Washington College of Law: Nicholas Kittrie.
College of Continuing Education: Tom Coffey.
College of Public Affairs: A. Lee Fritschler (acting)

THE CATHOLIC UNIVERSITY OF AMERICA

WASHINGTON, D.C. 20064
Telephone: (202) 635-5000.

Incorporated 1887; Chartered by the Congress of the United States 1889.

Chancellor: H.E. Cardinal William W. Baum.
President: Clarence C. Walton, ph.d.
Executive Vice-President and Provost: C. J. Nuesse, ph.d., ll.d.
Vice-President for Administration and Finance: Richard C. Applegate, m.a.
Vice-President for Development: Eugene J. Kennedy.
Vice-President for Student Affairs: Bro. Nivard Scheel, c.f.x., ph.d.
Registrar: Joseph C. Michalowicz, m.e.e.
Director of Admissions: Robert Talbot.
Director of Financial Aid: Kevin Gallagher.
Director of Information Systems and Planning: E. D. Jordan, ph.d.
Director of Libraries: L. R. Wagner, m.s.l.s.

Number of teachers: 533.
Number of students: 7,400.

Publications: *The Anthropological Quarterly*, *The Catholic Historical Review* (quarterly).

Deans:

School of Arts and Sciences: Eugene R. Kennedy, ph.d.
School of Education: Raymond J. Steimel, ph.d.
School of Engineering and Architecture: G. E. McDuffie, ph.d.
School of Law: John L. Garvey, s.j.d.
School of Music: Dr. T. Mastroianni, d.mus.
School of Nursing: Virginia C. Conley, ed.d.
School of Philosophy: J. P. Dougherty, ph.d.
School of Religious Studies: Rev. Carl J. Peter, ph.d., s.t.d.
School of Social Service: Joan W. Mullaney, d.s.w.

GALLAUDET COLLEGE

7th St. and FLORIDA AVE.,
N.E. WASHINGTON, D.C. 20052
Telephone: (202) 447-0314.

Founded 1864.

President: E. C. Merrill, Jr.

Director of Admissions and Records: BERNARD GREENBERG.
Dean of Graduate School: GILBERT DELGADO.
Librarian: FERN EDWARDS.

The library contains 150,000 vols.
Number of teachers: 190.

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, D.C. 20052

Telephone: 676-6000.

Founded 1821.

Private control; Academic year: September to May.

President: LLOYD H. ELLIOTT, ED.D., LL.D.
Provost and Vice-President for Academic Affairs: HAROLD F. BRIGHT, PH.D.
Vice-President for Development: S. ALPERT, M.D.
Vice-President for Administration and Research: C. J. LANGE, PH.D.
Vice-President for Policy Studies and Special Projects: L. H. MAYO, J.S.D., LL.B., B.S.
Vice-President and Treasurer: C. E. DIEHL, M.B.A.
Vice-President for Medical Affairs: R. P. KAUFMAN, M.D.
Vice-President for Student Affairs: WILLIAM P. SMITH, Jr., M.B.A.
Director of Admissions: J. Y. RUTH, A.B.
Registrar: R. GEBHARDTSBAUER, M.A.
University Librarian: R. WOODWARD, A.M., B.S. in L.S.

The library contains 710,943 vols.
Number of teachers: 2,573.
Number of students: 22,120.

DEANS:

Columbian College of Arts and Sciences: C. D. LINTON, PH.D.
The National Law Center: R. KRAMER, A.B., LL.B.
Academic Affairs (Medical Center): L. T. BOWLES, M.D.
Administrative Affairs (Medical Center): P. S. BIRNBAUM, M.S. IN M.E.
Clinical Affairs (Medical Center): D. S. O'LEARY, M.D.
Education: R. E. BAKER, ED.D. (acting).
Engineering: H. LIEBOWITZ, D.AE.E.
Government and Business Administration: N. LOESER, D.B.A.
Graduate School of Arts and Sciences: H. SOLOMON, PH.D.
University: J. G. ALLEE, Jr., PH.D.
General Studies: R. L. HOLLAND, PH.D.
Summer Sessions: W. F. E. LONG, PH.D.
Public and International Affairs: B. M. SAPIN, PH.D.

PROFESSORS:

(many professors serve in more than one school)

Columbian College of Arts and Sciences:
Graduate School of Arts and Sciences:

ABRAVANEL, E., Psychology
AFFRONTI, L. F., Microbiology
ALLAN, F. D., Anatomy
ALLEE, J. G., English
ASCHHEIM, J., Economics
BAILEY, J. M., Biochemistry
BARI, R. A., Mathematics
BERGMANN, O., Physics
BEILSKI, L. S., Speech and Drama
BOWLING, L. S., Speech and Drama
BRIGHT, H. F., Statistics
BRITT, A. D., Chemistry
BROWN, R. G., Sociology
BURKS, J. F., Romance Languages and Literature
CALDWELL W. E., Psychology
CARESS, E. A., Chemistry
CARROLL, G. V., Geology
CASSIDY, M. M., Physiology
CISIN, IRA H., Sociology
COATES, A. G., Geology
COHN, V. H., Pharmacology
CORNFIELD, J., Statistics
COURTLESS, T. F., Sociology
DAVISON, R. H., History
DEPAUW, L. G., History
DUNN, R. M., Economics
EISENSTEIN, J. C., Physics
FILIPESCU, N., Chemistry
FREY, J. A., Romance Languages and Literature
GANZ, R. N., English
GASTWIRTH, J. L., Statistics
GORDON, M. F., Geography
GREENHOUSE, S. W., Statistics
GRUBAR, F. S. Art
GYORGY A., International Affairs
HASKETT, R. C., History
HIGHFILL, P. H., English
HILL, P. P., History
HILLIS, J. W., Speech
HINTON, H. C., International Affairs
HOBBS, H. H., Physics
HOLMAN, M. A., Economics
HSIEH, C. Y., Economics
HUANG, KUN-YEN, Microbiology
HUGH, R.. Microbiology
HUMPHREY, R. L., Anthropology
JACKSON, M. J., Physiology
JOHNSON, T. N., Anatomy
JONES, R. G., Religion
KATZ, I. J., Mathematics
KENDRICK, J. W., Economics
KENNEY, R. A., Physiology
KENNY, R. W., History
KENYON, H., Mathematics
KIM, Y. C., Political Science
KING, J. C., German Language and Literature
KIRSCH, A. D., Statistics
KRULFELD, R. M., Anthropology
LANGE, C. J., Psychology
LAVINE, THELMA Z., Philosophy
LEBLANC, H. L., Political Science
LENGERMANN, P. M., Sociology
LEVITAN, S. A., Economics
LEVY, B. I., Psychology
LEVY, J. B., Chemistry
LEWIS, R. K., Anthropology
LILLIEFORS, H. W., Statistics
LINDHOLM, R. C., Geology
LINTON, C. D., English
LIVERMAN, T. P., Mathematics
MANDEL, H. G., Pharmacology
MAZEL, P., Pharmacology
MAZZEO, G., Romance Languages and Literature
METIVIER, J. L., Romance Languages and Literature
MILLAR, J. W., Epidemiology
MILLER, F. N., Pathology
MILLER, J. C., Psychology
MONDALE, C. C., American Studies
MORGAN, J. A., Political Science
MOSEL, J. N., Psychology
MOSER, C. A., Slavic
NELSON, N. D., Mathematics
NIMER, B., Political Science
O'REAR, C. E., Forensic Science
PARKER, K. F., Biological Science
PERROS, T. P., Chemistry
PETROV, V., International Affairs
PHILLIPS, E. L., Psychology
PRATS, F., Physics
PURCELL, R. E., Political Science
REESING, J. P., English
REICH, B., Political Science
REYNOLDS, W. M., Speech and Drama
RICE, C. E., Psychology
ROBB, J. W., Romance Languages and Literature
SACHAR, H. M., History
SAPIN, B. M., International Affairs
SCHIFF, S. O., Zoology
SCHLAGEL, R. H., Philosophy
SCHMIDT, W. E., Chemistry
SCHWOERER, L. G., History
SHARKEY, R. P., History
SHIH, C., Chinese
SHUMWAY, R. H., Statistics
SIEGEL, F. R., Geochemistry
SIGUR, G. J., International Affairs
SILBER, D. E., Psychology
SMITH, B. W., Biochemistry
SNELL, R. S., Anatomy
SOLOMON, HENRY, Economics
STAMBUK, G., International Affairs
STEINER, C., German
STEINER, G., Music
STEPHENS, R. W., Sociology
STEWART, C. T., Economics
STRAW, J. A., Pharmacology
TAAM, CHOY TAK, Mathematics
TELLER, D. H., Art
THOENELT, K., German
THOMPSON, R. B., History
THORNTON, R. C., History
TIDBALL, C. S., Physiology
TIDBALL, M. E., Physiology
VAHOUNY, G. V., Biochemistry
VINCENT, R. C., Chemistry
WALK, R. D., Psychology
WALKER, R. H., American Civilization
WALLACE, D. D., Religion
WALLACE, R. A., Sociology
WEISMILLER, E. R., English
WERNER, M., Pathology
WHITE, D. G., Chemistry
WOOD, R. E., Chemistry
YAKOBSON, HELEN B., Slav Language and Literature
YEIDE, H. E., Religion
ZUCHELLI, A. J., Physics

National Law Center:

ALBERT, J. M.
BANZHAF, J. F.
BARRON, J. A.
BERNARD, H. Y.
BROWN, J. M.
CAPLAN, G. M.
CHANDLER, J. P.
CIBINIC, J.
GINSBURG, G. J.
HAMBRICK, J. R.
KAYTON, I.
KIRKPATRICK, W. W.
KRAMER, R.
KUHN, R. S.
LOWTHER, D. C.
MALLISON, W. T.
MAYO, L. H.
MERRIFIELD, L. S.
MILLER, A. S.
NASH, R. C.
PARK, R. E.
POCK, M. A.
POTTS, E. A.
REITZE, A. W.
ROBINSON, D.
ROTHSCHILD, D. P.
SCHILLER, L. A.
SCHWARTZ, T. M.

Seidelson, D. E.
Sharpe, D. J.
Sirulnik, E. S.
Smalls, O.
Solomon, L. D.
Starr, J. E.
Stevenson, R. B.
Weaver, D. B.
Weston, G. E.
Zenoff, E.

School of Government and Business Administration:

Amling, F., Business Administration
Barrett, R. A., Business Administration
Black, Guy, Business Administration
Brown, D. S., Management
Burdetsky, B., Business Administration
Chitwood, S. R., Public Administration
Darr, K. J., Health Care Administration
Devolites, M. C., Health Care Administration
Eastin, R. B., Business Administration
El-Ansary, A. I., Business Administration
Ericson, R. F., Management
Gintzig, L. I., Health Care Administration
Grub, P. D., Business Administration
Harvey, J. B., Management
Keegan, W. J., Business Administration
Kurtz, F. C., Accounting
Lauter, G. P., Business Administration
Lewis, E. J. B., Accounting
Lippitt, G., Business Administration
Loeser, N. M., Business Administration
Mastro, A. J., Accounting
McGrath, D. C., Urban Planning
Page, H. R., Business Administration
Paik, C. M., Accounting
Reeves, P. N., Health Care Administration
Roman, D. D., Business Administration
Timbers, E., Public Administration
Vaill, P. B., Management Science
Wofsey, M. M., Management Science
Zwick, J., Business Administration

Medical Center:

Adams, J. P., Orthopaedic Surgery
Adkins, P. C., Surgery
Albert, E. N., Anatomy
Alpert, S., Anaesthesiology
Altman, R. P., Surgery
Armaly, M. F., Ophthalmology
Avery, G. B., Child Health and Development
Bacos, J. M., Medicine
Baker, W. P., Medicine
Barter, R. H., Obstetrics and Gynaecology
Barth, W. F., Medicine
Becker, K. L., Medicine
Bernstein, L., Medicine
Bloom, S., Pathology
Bowles, L. T., Surgery
Breslow, A., Pathology
Castell, D. O., Medicine
Chanock, R. M., Child Health and Development
Cheng, T. O., Medicine
Coakley, C. S., Anaesthesiology
Culbertson, L. R., Urology
Curtin, J. A., Medicine
Davis, D. O., Radiology
Delaney, D. W., Child Health and Development
Devita, V. T., Medicine
Dobbins, W. O., Medicine
Eckelman, W. C., Radiology
Elgart, M. L., Dermatology
Eng, C. D., Child Health and Development
Epstein, B. S., Anaesthesiology
Fabro, S. E., Obstetrics and Gynaecology
Feffer, H. L., Orthopaedic Surgery
Feffer, J. J., Medicine
Finkelstein, J. D., Medicine
Fouty, W. J., Surgery
Green, F. C., Child Health and Development
Head, M., Medical and Public Affairs
Herer, G. R., Child Health and Development
Hess, H., Neurology
Hsu, I. I., Medicine
Hung, W., Child Health and Development
Kaufman, R. P., Medicine
Kelser, G. A., Medicine
Kenmore, P. I., Orthopaedic Surgery
Kramer, N. C., Medicine
LaRosa, J. C., Medicine
Leikin, S. L., Child Health and Development
Lessin, L. S., Medicine
Letterman. G. S.. Surgery
Lewicki, A. M., Radiology
Lindsay, J., Medicine
Lukash, W. M., Medicine
Margileth, A. M., Child Health and Development
Matthews, M. J., Pathology
McGowan, L., Obstetrics and Gynaecology
McKay, D. W., Orthopaedic Surgery
McSweeney, W. J., Radiology
Milhorat, T. H., Neurological Surgery
Miller, H. C., Urology
Molinari, G. F., Neurology
Mourad, M., Medicine
Muggia, F. M., Medicine
Neviaser, R. J., Orthopaedic Surgery
Newman, W., Pathology
Noshpitz, J. D., Psychiatry and Behavioural Sciences
O'Reilly, S., Neurology
Ott, J. E., Health Care Sciences
Parrish, A. E., Medicine
Parrott, R. H., Child Health and Development
Perlin, S., Psychiatry and Behavioural Sciences
Perry, L. W., Child Health and Development
Piemme, T. E., Medicine
Pierce, L. E., Medicine
Pipberger, H. V., Clinical Engineering
Plugge, F. W., Surgery
Randolph, J. G., Surgery
Reba, R. C., Radiology
Reiss, D., Psychiatry and Behavioural Sciences
Rios, J. C., Medicine
Rizzcli, H. V., Neurological Surgery
Rockoff, S. D., Radiology
Rogers, C. C., Radiology
Sauerbrunn, B. J. L., Radiology
Schulman, J. D., Obstetrics and Gynaecology
Scott, L. P., Child Health and Development
Sheagren, J. N., Medicine
Shelburne, S. A., Neurology
Shorb, P. E., Surgery
Sidbury, J. B., Child Health and Development
Sidransky, H., Pathology
Simon, E. R., Medicine
Smith, B. H., Pathology
Stahl, C. J., Pathology
Tamagna, I. G., Medicine
Tsangaris, N. T., Surgery
Van Houten, R. J., Anaesthesiology
Varma, V. M., Radiology
Waxman, B., Obstetrics and Gynaecology
Webster, T. G., Psychiatry
Weingold, A. B., Obstetrics and Gynaecology
Weintraub, H. D., Anaesthesiology
Weiner, J. M., Psychiatry and Behavioural Sciences
Wolff, F. W., Medicine
Yamamoto, W. S., Clinical Engineering
Zimmerman, H. J., Medicine

School of Education:

Baker, R. E., Education
Boswell, J. G., Education
Botwin, P., Special Education
Breen, J. L., Physical Education
Brenner, M. B., Education
Coleman, Mary E., Education
Cottrell, R. S., Special Education
Elliott, L. H., Education
Frankie, R. J., Education
Hawkins, D. E., Human Kinetics and Leisure Studies
Ives, R. J. K., Special Education
Linkowski, D. C., Education
Marinaccio, A., Education
McIntyre, M., Education
Moore, D. A., Education
Nadler, L., Education
Rashid, Martha. N. Education
Sinick, D., Education
Snodgrass, J. E., Human Kinetics and Leisure Studies
Stallings, Loretta M., Physical Education
Tillman, R., Education
Vontress, C. E., Education
Winkler, L., Education

School of Engineering and Applied Science:

Arkilic, G. M., Applied Science
Cambel, A. B., Engineering
Crafton, P. A., Engineering Administration
Eftis, J., Engineering
Eisenberg, M. F., Engineering
Falk, J. E., Operations Research
Feir, J. E., Civil Engineering
Fiacco, A. V., Operations Research
Foa, J. V., Engineering Mechanics
Fox, R. R., Engineering Mechanics
Friedman, A. D., Electrical Engineering
Goulard, R., Engineering
Gross, D., Operations Research
Heller, R. B., Electrical Engineering
Kahn, W. K., Electrical Engineering
Kaufman, R. E., Engineering
Kaye, J., Engineering Administration
Kiper, A. M., Engineering
Liebowitz, H., Engineering
Mahmood, K., Engineering
Marlow, W. H., Operations Research
Maurer, W. D., Computer Science
McCormick, G. P., Operations Research
Meltzer, A. C., Electrical Engineering
Myers, M. K., Engineering
Noor, A. K., Engineering
Pickholtz, R. L., Electrical Engineering
Rothman, S., Engineering Administration
Shane, P. S., Engineering Administration
Singpurwalla, N. D., Operations Research
Steiner, H. M., Engineering Administration
Toridis, T. G., Engineering
Yang, J. N., Engineering
Yuan, S. W., Engineering

GEORGETOWN UNIVERSITY

37th and O STREETS, N.W.,
WASHINGTON, D.C. 20057
Telephone: (202) 625-0100.

Founded in 1789 as the first Catholic University in the U.S.A.

President: TIMOTHY S. HEALY, S.J., PH.D.
Chancellor of the Medical Center: MATTHEW F. MCNULTY, Jr.
Executive Vice-President for Academic Affairs and Provost: ALOYSIUS P. KELLEY, S.J.
Executive Vice-President for Law Center Affairs: DAVID J. MCCARTHY, Jr.
Secretary: VIRGINIA M. KEELER.
Librarian: J. E. JEFFS, M.S.L.S.

The library contains 902,668 vols.

Number of teachers: 850 full-time, 450 part-time.
Number of students: 11,297.

Publications: *Georgetown Medical Bulletin* (quarterly), *The Georgetown Law Journal* (6 a year), *Law and Policy in International Business* (3 a year), *Georgetown Today* (2 a month), *The Hoya, Res Ipsa Loquitur, Domesday Book.*

DEANS:

College of Arts and Sciences: ROYDEN B. DAVIS, S.J., J.D.
Graduate School: DONALD G. HERZBERG, A.B.
School of Medicine: JOHN P. UTZ, M.D.
Law Center: DAVID J. MCCARTHY, Jr.
School of Dentistry: CHARLES B. MURTO, D.D.S.
School of Nursing: RITA MARIE BERGERON, PH.D.
Edmund A. Walsh School of Foreign Service: PETER F. KROGH, PH.D.
School of Languages and Linguistics: JAMES E. ALATIS, PH.D.
School of Business Administration: RONALD SMITH.
School for Summer and Continuing Education: JOSEPH PETTIT, D.B.A.

ATTACHED CENTRE:

Georgetown Center for Strategic and International Studies: 1800 K St., N.W., Washington, D.C. 20006; f. 1962 to advance the understanding of international policy issues through the study of world problems and conferences; Chair. DAVID M. ABSHIRE, PH.D.

HOWARD UNIVERSITY

2400 SIXTH STREET, N.W.,
WASHINGTON, D.C. 20059
Telephone: (202) 636-6100.
Founded 1867.

Private control; Academic year: September to May (two terms).

President: JAMES E. CHEEK, PH.D.
Vice-President for Academic Affairs: LORRAINE A. WILLIAMS, PH.D.
Vice-President for Administration and Secretary of the University: OWEN D. NICHOLS, PH.D.
Vice-President for Business and Fiscal Affairs-Treasurer: CASPA L. HARRIS, C.P.A., J.D.
Vice-President for Development and University Relations: ROGER D. ESTEP, D.V.M.
Vice-President for Health Affairs: CARLTON P. ALEXIS, M.D.
Vice-President for Student Affairs: CARL E. ANDERSON, ED.D.
Director of Libraries: BINFORD H. CONLEY, M.A.

The library contains 807,000 vols.

Number of teachers: 1,908.
Number of students: 10,813.

Publications: *Journal of Negro Education, Journal of Religious Thought, Howard Law Review, New Direction Magazine, Right on the Campus.*

DEANS:

College of Dentistry: JEAN C. SINKFORD, PH.D.
College of Liberal Arts: R. L. OWENS, PH.D.
College of Medicine: MARION MANN, M.D.
College of Pharmacy: WENDELL P. HILL, PHARM.D.
College of Fine Arts: Prof. THOMAS J. FLAGG.
College of Nursing: ANNA B. COLES, PH.D.
School of Religion: LAWRENCE N. JONES, PH.D.
School of Social Work: JAY CHUNN, M.S.S.A.
Graduate School: EDWARD W. HAWTHORNE, PH.D., M.D.
School of Allied Health Sciences: HARLEY E. FLACK, PH.D.
School of Engineering: LUCIUS M. WALKER, PH.D. (acting).
School of Law: WILEY BRANTON, J.D.
School of Architecture and Planning: J. W. LINDSEY, M.A., M.C.P.
School of Communication: LIONEL C. BARROW, PH.D.
School of Education: NANCY ARNEZ, PH.D.
School of Business and Public Administration: M. WILSON, PH.D.
School of Human Ecology: CECILE EDWARDS, PH.D.
Summer School: GRAHAM JOHNSON, M.A.

SOUTHEASTERN UNIVERSITY

501 EYE ST., S.W.,
WASHINGTON, D.C. 20024
Telephone: (202) 488-8162.

Founded 1879. First and Master's degrees in Business and Public Administration.

President: Dr. BARKEV KIBARIAN.
Vice-President for Academic Affairs: Dr. ROBERT B. NEMESCHY.
Dean of Admissions: BRINTON THOMPSON.
Dean of Graduate Studies: Dr. JOHN CHASE.
Dean of Undergraduate Studies: Dr. RONALD B. HOEKSTRA.
Dean of Student Affairs: Dr. JEAN D'AGUIAR.
Librarian: MICHAEL SAKMAR.

Library of 12,000 vols.

Number of teachers: 120.

Number of students: 1,200.

TRINITY COLLEGE

WASHINGTON, D.C. 20017
Telephone: (202) 269-2000.
Founded 1897.

Roman Catholic liberal arts college for women, sponsored by Sisters of Notre Dame of Namur.

President: Sister ROSE ANN FLEMING.
Vice-President: Sister JOAN BLAND, S.N.D.
Academic Dean: Sister MARY ANN COOK, S.N.D.
Treasurer: Sister DOROTHY MCCORMICK, S.N.D.
Dean of Students: WINIFRED E. COLEMAN.
Director of Admissions: MARGA MCNALLY.
Director of Institutional Research: KAREN KERSHENSTEIN.
Business Officer: ELLSWORTH KRAMER.
Librarian: Sister DOROTHY BEACH, S.N.D.

The library contains over 140,000 vols.

Number of teachers: 44 full-time, 52 part-time.

Number of students: 429 full-time, 475 part-time.

Publications: *Trinity College Record, Trinity Times, Trinilogue, Alumnae Journal, Trinity College Newsletter*†.

UNIVERSITY OF THE DISTRICT OF COLUMBIA

Founded 1973; a state university organized on three campuses from existing colleges; first degree programmes.

Harvard Street Campus

11TH AND HARVARD STS., N.W.,
WASHINGTON, D.C. 20009
Telephone: 673-7000.

President: LISLE C. CARTER, Jr.

Number of students: 1,300.

Mount Vernon Square Campus

WASHINGTON, D.C. 20005
Telephone: 727-1000.

President: (vacant).

Number of students: 7,660.

Van Ness Campus

4200 CONNECTICUT AVE., N.W.,
WASHINGTON, D.C. 20008
Telephone: 363-2171.

President: (vacant).

Number of students: 4,900.

FLORIDA

BARRY COLLEGE

11300 N.E. 2ND AVENUE,
MIAMI, FLORIDA 33161

Telephone: 758-3392.

Founded 1940.

President: Sister M. Trinita Flood, O.P.
Vice-President for Academic Affairs: M. Daniel Henry, PH.D.
Librarian: Sister M. Franz Lang, O.P.

The library contains 116,243 vols.

Number of teachers: 100.
Number of students: 1,800.

Deans:

Business: R. William Morell, PH.D.
Arts and Sciences: Andre Cote, PH.D.
Continuing Education: Frederick C. Brechler, PH.D.
Nursing: Sr. Judith Ann Balcerski, O.P.
School of Social Work: John M. Riley, PH.D.
Education: John W. Maguire, PH.D.

BETHUNE-COOKMAN COLLEGE

640 SECOND AVENUE,
DAYTONA BEACH, FLORIDA 32015

Telephone: (904) 255-1401.

Founded 1904.

President: Oswald P. Bronson, PH.D.
Provost: Dr. Israel Tribble.
Academic Dean: Dr. Cleo S. Higgins (acting).
Business Manager: Ernest C. Cook.
Registrar-Director of Admissions: James C. Wymes, Sr.
Director of Student Personnel: Clarence N. Childs.
Director of Long-Range Planning and Management: Dr. Watie R. Pickens.
Director of Placement: Edward R. Rodriguez.
Co-ordinator of Projects: Dr. A. W. Boldt.
Director of Personnel: Frederic A. Peacock.
Director of Institutional Research: Dr. Paul Decker.
Director of Public Relations and Publications: Edwin K. Rabbitt.
Director of Financial Aid: Joseph Coleman.
Vice-President of Development and Planning: Ralph Henry.
Librarian: Martha M. Berhel.

The library contains 85,000 vols.

Number of teachers: 89.
Number of students: 1,600.

BISCAYNE COLLEGE

16400 N.W. 32ND AVE.,
MIAMI, FLORIDA 33054

Telephone: (305) 625-1561.

Founded 1962.

President: Rev. J. Farrell, O.S.A.
Vice-President for Academic Affairs: Rev. Charles P. Laferty, O.S.A.
Dean of Admissions: James T. Parker, PH.D.
Dean: John J. Weldon, PH.D.
Librarian: Margaret Elliston.

Library of 95,000 vols.
Number of teachers: 85.
Number of students: 2,300.

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

TALLAHASSEE, FLORIDA 32307

Telephone: 222-8030-904.

Founded 1887.

President: Walter L. Smith, M.ED., PH.D.
Vice-President of Administration and Fiscal Affairs: H. E. Finley, M.B.A., M.A., PH.D.
Vice-President for Academic Affairs: Gertrude Simmons, M.S., PH.D.
Vice-President for Student Affairs. Timothy L. Langston, M.S., E.ED.
Librarian: N. E. Gaymon, M.S.L.S., PH.D.

The library contains 294,240 vols.

Number of teachers: 398.
Number of students: 6,011.

Deans:

College of Architecture: Richard K. Chalmers, M.ARCH.
College of Education: P. B. Mohr, Sr., M.S., ED.D.
College of Humanities and Social Sciences: L. W. Neyland, M.A., PH.D.
College of Science and Technology: Charles C. Kidd, M.S.E., M.S., PH.D.
School of Business and Industry: Sybil C. Mobley, M.B.A., PH.D.
School of Nursing: Georgie C. Labadie, M.S., ED.D.
School of Pharmacy: Charles Walker, M.S., PH.D.
Military Science: Col. Russell Pierre.
Navy ROTC: Capt. O. M. Brooks.

FLORIDA ATLANTIC UNIVERSITY

BOCA RATON, FLORIDA 33431

Telephone: (305) 395-5100.

Founded 1961.

President: Dr. Glenwood L. Creech.
Vice-President for Academic Affairs: Dr. Kenneth Michels.
Registrar: R. M. Koser, Jr.
Librarian: Harry Skallerup.

The library contains 300,000 volumes.

Number of teachers: 300.
Number of students: 7,000.

Deans:

College of Business and Public Administration: G. Luing.
College of Education: Dr. Robert Alciatore.
College of Engineering: Dr. D. O. Akhurst.
College of Humanities: Dr. J. Suberman.
College of Science: Dr. Earl Baker.
College of Social Science: Dr. Robert J. Huckshorn.

FLORIDA INSTITUTE OF TECHNOLOGY

P.O.B. 1150, MELBOURNE,
FLORIDA 32901

Telephone: (305) 723-3701.

President: Jerome P. Keuper.
Vice-President for Academic Affairs: J. E. Miller.
Vice-President for Financial Affairs: John W. Simmons.
Vice-President for Development Affairs: D. V. Stophlet.
Vice-President for Student Affairs: R. A. Work, Jr.
Dean of Admissions: Holmes C. Beausang.
Registrar: George S. Jones, III.
Director of Libraries: L. L. Henson.

Number of students: 3,000.

Deans:

School of Marine and Environmental Technology: Ernest E. Tealey.
Sciences and Engineering and Graduate School: H. P. Weber.
School of Aeronautics: J. A. Lauderbaugh.

FLORIDA MEMORIAL COLLEGE

15800 N.W. 42ND AVE.,
MIAMI, FLORIDA 33054

Telephone: 625-4141.

Founded 1879.

President: Willie C. Robinson.
Librarian: Boss Osekre (acting).

The library contains 72,579 vols.
Number of teachers: 44.
Number of students: 867.

FLORIDA SOUTHERN COLLEGE

LAKELAND, FLORIDA 33802

Telephone: (813) 683-5521.

Founded 1885.

President: Dr. Robert A. Davis.
Admissions: Mrs. Carol M. Esau.
Librarian: G. Lawrence Stallings.

The library contains 150,000 vols.
Number of teachers: 98.
Number of students: 1,604 full-time, 110 part-time.

FLORIDA STATE UNIVERSITY

TALLAHASSEE, FLORIDA 32306

Telephone: 599-2525.

Founded 1857 as the Seminary West of the Suwannee River, and later became the Florida State College, became the Florida State College for Women 1905, became co-educational and attained university status 1947.

Academic year: September to June (three terms).

Chancellor of the State University System: E. T. YORK, Jr.
President: B. F. SLIGER, PH.D.
Vice-President for Academic Affairs: R. O. LAWTON, PH.D.
Vice-President for Administration: B. J. HODGE, PH.D.
Vice-President for University Relations: PATRICK HOGAN, B.S. (acting).
Dean of the Faculties: DAISY P. FLORY, PH.D.
Registrar: T. C. BURNETTE, M.B.A.
Librarian: CHARLES E. MILLER, M.S.L.S.

The library contains 1,463,424 vols.
Number of teachers: 1,390.
Number of students: 21,224.
Publication: *Bulletin.*

DEANS:

College of Arts and Sciences: RALPH YERGER, PH.D. (acting).
College of Business: E. R. SOLOMON, PH.D.
College of Communication: T. CLEVENGER, PH.D.
School of Criminology: E. CZAJKOSKI, D.P.A.
College of Education: J. L. GANT, PH.D.
School of Graduate Studies and Research: R. M. JOHNSON, PH.D.
School of Home Economics: MARGARET A. SITTON, ED.D.
College of Law: J. MORSE, J.D.
School of Library Science: H. GOLDSTEIN, ED.D.
School of Music: W. L. HOUSEWRIGHT, ED.D.
School of Nursing: EMILE D. HENNING, ED.D.
College of Social Sciences: W. D. MAZEK, PH.D.
School of Social Work: PATRICIA VANCE, M.S.W. (acting).
School of Theatre: R. G. FALLON, M.A.
School of Visual Arts: JERRY DRAPER, PH.D. (acting).

PROFESSORS:

ABCARIAN, G., PH.D., Government
ADAIR, C. H., ED.D., Social Studies Education
AKER, G. F., PH.D., Adult Education
ALBRIGHT, J., Physics
ALLEN, F. R., PH.D., Sociology
ALLEN, R., Education
AMMERMAN, D., History
ANDREWS, J. J., PH.D., Mathematics
ANGELES, J., DOCTOR EN LETRAS, Modern Languages
ANTHONY, W., PH.D., Management
BAKER, H. D., PH.D., Psychology
BAKER, R. M., Jr., PH.D., Marketing
BALKUS, K., Urban Regional Planning
BANGHART, F. W., ED.D., Education
BARDILL, D., Social Work
BASSIN, A., PH.D., Criminology
BASU, D., Statistics
BAYER, A. E., PH.D., Institute of Social Research
BEARD, R., PH.D., Philosophy
BECK, E. R., PH.D., History
BEIDLER, L. M., PH.D., Biological Science
BELL, F. W., PH.D., Economics
BELL, T., Art
BENDER, L., ED.D., Higher Education
BERGER, E., Education
BERKLEY, M., Psychology
BERNARD, LOLA, PH.D., Social Work
BETTEN, N., History
BISHOP, R., ED.D., Physical Education, Health, and Recreation
BLACK, H. A., C.P.A., PH.D., Accounting
BLAKE, G. K., ED.D., Education
BODA, J., D.M.A., Music
BONE, ROBERT C., PH.D., Government
BRADLEY, R. A., PH.D., Statistics
BRANSON, R.,PH.D., Educational Research and Testing
BREWER, J., Educational Management Systems
BRIGGS, L. J., PH.D., Educational Research
BRUECKHEIMER, W. R., PH.D., Geography
BRYANT, J., Mathematics
BUCHER, F., PH.D., Visual Arts
BUIE, B. F., PH.D., Geology
BURCK, H., Education
BURKMAN, E., Jr., ED.D., Science Education
BURROWAY, JANET, M.A., English
BURTON, D. L., PH.D., English Education
CANNON, FRANCES, ED.D., Education
CANNISTRARO, P., History
CANTERBERY, E. R., PH.D., Economics
CAPPS, W., Music
CAREY, J., Religion
CHAMPION, J. E., PH.D., Accounting
CHICK, JOYCE, PH.D., Counselor Education
CHOPPIN, G. R., PH.D., Chemistry
CLARK, R., PH.D., Chemistry
CLEVENGER, T., PH.D., Speech
COLBERG, M. R., PH.D., Economics
COOK, E., Anthropology
COTTINGHAM, H. F., ED.D., Education
CRAIG, R. A., SC.D., Meteorology
CRAMER, W., Music
CZAJKOSKI, E. H., D.P.A., Criminology
DANCY, R., Philosophy
DANN, E., Music
DAVIS, R. H., PH.D., Physics
DAWIRS, H. N., PH.D., Communication
DAY, S., Home and Family Life
DEASY, LEILA, PH.D., Social Welfare
DEBUSK, A. G., PH.D., Biological Science
DEKLOET, S., Biological Science
DENMARK, E. T., PH.D., Mathematics Education
DESLOGE, E. A., PH.D., Physics
DETAR, D. F., PH.D., Chemistry
DEVINE, C. T., PH.D., Accounting
DEVORE, G., PH.D., Geology
DICK, W., Education
DICKSON, D., LL.B., PH.D., Law
DILLINGHAM, W. P., PH.D., Economics
DIRAC, P., PH.D., Physics
DOBSON, J. T., PH.D., Management
DOUGHERTY, R., IH.D., Chemistry
DYE, T. R., PH.D., Government
DYSON, J., Government
EARNEST ,R. C., PH.D., Finance
EASTON, D., Biological Science
EDNEY, C. W., PH.D., Communication
EDWARDS, S., PH.D., Physics
EHLERS, W. H., D.S.W., Social Work
EISENBERG, D., Modern Languages
ELFNER, L., PH.D., Psychology
ELLIOTT, P., PH.D., Medical Sciences
ERIKSON, R., Government
EVERETT, P. W., PH.D., Physical Education and Recreation
FENDRICH, J., Sociology
FERNALD, E., Geography
FLETCHER, N., Physics
FLORY, D., Government
FORDYCE, P. R., M.S., Science Education
FOSHEE, J. G., PH.D., Education
FOSTER, G., Education
FOWLER, NANCY, PH.D., Music
FOX, V. B., PH.D., Criminology
FRECHETTE, E., Education
FRICK, H. L., PH.D., Educational Administration
FRIEDEN, E., PH.D., Chemistry
FRIEDMANN, I., Biology
FULTON, R., Chemistry
GAGNE, R., PH.D., Educational Research
GALLUPS, W., Business and Accounting
GARRETT, B., PH.D., Chemistry
GILMER, R., PH.D., Mathematics
GIVENS, AZZURRA, PH.D., Modern Languages
GLEESON, T. A., PH.D., Meteorology
GLICK, R. E., PH.D., Chemistry
GLOTZBACH, R., Music
GOLDEN, L., PH.D., Classics
GOLDSTEIN, HAROLD, ED.D., Library Science
GOLDSTEIN, HARRIS, Social Work
GOMBOSI, M., Music
GOOD, R., PH.D., Education
GOODNER, D. B., PH.D., Mathematics
GOUDEAU, J. M., PH.D., Library Science
GRANT, S. R., ED.D, Foundation Studies in Education
GRAY, R. B., PH.D., Government
GRAZIADEI, P., Biology
GREAVES, R., History
GREENBERG, M., PH.D., Biological Sciences
GRIFFITH, H. C. PH.D., Mathematics
GRIGG, C. M., PH.D., Sociology
GRIMM, BETTY J., Music
GROSSLIGHT, J. H., PH.D., Psychology
GRUENDER, D., PH.D., Philosophy
GUICE, B., Education
GUNN, B., Marketing
GWARTNEY, J., PH.D., Economics
HAFNER, L., ED.D., Elementary Education
HAGOPIAN, V., Physics
HALE, G. G., ED.D., Social Studies Education
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HECK, W. R., PH.D., Accounting
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Warden, Jessie A., ph.d., Clothing and Textiles
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Weale, H. J., Interior Design
Weidner, D., Law
Wellborn, C., ph.d., Religion
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Wells, Lucy Janet, ed.d., Physical Education, Health and Recreation
White, D. C., m.d., ph.c., Biological Sciences
White, J. A., Jr., ph.d., Music
Whitney, G., Psychology
Wiese, L., ph.d., Biological Science
Williams, T., ph.d., Biological Sciences
Wills, H., ph.d., Education
Winchester, J. W., ph.d., Oceanography
Winters, S. S., ph.d., Geology
Wright, J. L., ph.d., History
Wyatt, J., Modern Languages
Wynot, E., History
Yerger, R. W., ph.d., Biological Sciences
Yetter, J., Law
Young, W., Business and Finance
Yost, G., Jr., ph.d., English
Zenz, G. J., ph.d., Marketing

JACKSONVILLE UNIVERSITY

JACKSONVILLE, FLORIDA 32211

Telephone: (904) 744-3950.

Founded 1934.

President: Dr. Robert H. Spiro.
Vice-President and Dean of Faculties: Dr. D. A. Thomas.
Director of Admissions: J. Bradford Sargent.
Registrar: Lex Barnett.
Librarian: Thomas H. Gunn.

The library contains 220,290 vols.

Number of teachers: 105 full-time, 68 part-time.

Number of students: 2,165.

NEW COLLEGE OF THE UNIVERSITY OF SOUTH FLORIDA

5700 N. TAMIAMI TRAIL,
SARASOTA, FLORIDA 33580
Telephone: 355-7671.

Founded 1960.

Provost: Dr. Eugene Lewis.
Admissions: Mrs. Mildred Ellis.

The library contains approx. 120,000 vols.

Number of teachers: 42.
Number of students: 500.

Divisional Chairmen:

Humanities: Dr. E. David Dykstra.
Social Sciences: Dr. Laszlo Deme.
Natural Sciences: Dr. Peter F. Buri.

ROLLINS COLLEGE

WINTER PARK, FLORIDA 32789
Telephone:
(305) 646-2120 (President's Office)
(305) 646-2000 (Information Office)

Founded 1885.

President: Jack B. Critchfield.
Provost: Dwight L. Ling.
Registrar: R. Wolfe.
Director of Admissions: William M. Hartog.
Librarian: G. Larsen.

The library contains 174,667 vols.
Number of teachers: 112.
Number of students: 4,227.

SAINT LEO COLLEGE

SAINT LEO, FLORIDA 33574
Telephone: (904) 588-2800.

Founded 1963.

Private control, Catholic.

President: Dr. Thomas B. Southard.
Vice-President for Academic Affairs: Dr. Robert C. Gould.
Vice-President for Student Affairs: Dr. Robert L. Ackerman.
Registrar: A. James Christiansen.
Librarian: Sister Dorothy Neuhofer, o.s.b.

The library contains 55,000 vols.
Number of teachers: 49.
Number of students: 1,000.

STETSON UNIVERSITY

DeLAND, FLORIDA 32720
Telephone: (904) 734-4121.

Established as De Land Academy 1883; chartered as De Land University 1887; name changed 1889; related to the Baptist Churches of Florida.

Academic year: September to June.

President: Pope A. Duncan.
Vice-President and Dean of the University: Thomas J. Turner.
Vice-President for Development: William Michael Chertok.
Vice-President for Finance and Planning: H. Graves Edmondson.
Dean of Students: Garth Jenkins.

The libraries contain over 284,000 catalogued items.

Number of teachers: 121 in DeLand; 18 at College of Law, St. Petersburg.

Number of students: 2,350 in DeLand; 450 at College of Law.

Publications: *The Stetson University Bulletin*, *The Cupola*.

UNIVERSITY OF FLORIDA

GAINESVILLE, FLORIDA 32611
Telephone: (904) 392-3261.

Founded 1853.

President: Robert Q. Marston, m.d.
Vice-President for Academic Affairs: R. A. Bryan, ph.d.
Vice-President for Agricultural Affairs: K. Q. Tefertiller, ph.d.
Vice-President for Health Affairs: W. Deal, m.d.
Vice-President for Administrative Affairs: W. E. Elmore, b.s., c.p.a.
University Registrar: L. V. Voyles, b.a.
Director of Libraries: G. Harrer, ph.d.
Director, Florida State Museum: J. D. Dickinson, ph.d.

The library contains 1,900,000 vols.
Number of teachers: 2,614.
Number of students: 29,952.

Publications include: *Journal of Politics, Southern Folklore Quarterly, Southern Speech Journal, University of Florida Law Review, Florida Historical Quarterly, American Journal of Agricultural Economics, Latin American Studies Association Newsletter.*

Deans:

Architecture: M. T. Jaroszewicz, m.a.
Business Administration: R. F. Lanzillotti, ph.d.
Continuing Education: J. W. Knight, ed.d.
Education: O. C. Smith, ph.d.
Engineering: W. H. Chen, ph.d.
Fine Arts: J. J. Sabatella, m.f.a.
Graduate School: H. H. Sisler, ph.d.
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Law: J. R. Julin, ll.b.
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Agriculture (Extension): J. T. Woeste, ph.d.
Veterinary Medicine: C. E. Cornelius, ph.d.

Professors:

University College:

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Derrick, C., ph.d., Humanities
Doherty, H. J., Jr., ph.d., American Institutions
Dunkle, J. R., ph.d., Physical Sciences
Frazer, W., ph.d., Comprehensive English
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Grater, H., ph.d., Comprehensive Logic
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Sunwall, J., ph.d., Humanities
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Walker, B., m.a., Comprehensive English

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Gubbins, K. E., ph.d., Chemical Engineering
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Irey, R. K., ph.d., Cryogenics
Leadon, B. M., ph.d Engineering Education
Lindgren, E. R., d.r.sc., Engineering Science and Mechanics
Lindholm, F. A., ph.d., Electrical Engineering
Mahig, J., ph.d., Mechanical Engineering
Malvern, L. E., ph.d., Applied Mathematics
May, F. P.. ph.d., Chemical Engineering
Nevill, G. E., Jr., ph.d., Engineering Science and Mechanics
Nolan, W. J., ph.d., Chemical Engineering
Odum, H. T., ph.d., Environmental Engineering
Oliver, C. C., ph.d., Mechanical Engineering
Omalley, J. R., ph.d., Electrical Engineering
Pyatt, E. E., dr. eng., Engineering and Industrial Experimentation
Rhines, F. N., ph.d., Metallurgical and Materials Engineering

Roan, V. P., Jr., PH.D., Mechanical Engineering
Sawyer, H. A., Jr., C.E., Civil Engineering
Schaub, J. H., PH.D., Civil Engineering
Schmertmann, J. H., PH.D., Civil Engineering
Schneider, R. T., PH.D., Engineering Education
Schoessow, G. J., M.S.M.E., Nuclear Engineering
Schweyer, H. E., PH.D., Chemical Engineering
Self, M. W., PH.D., Civil Engineering
Sierakowski, R. L., Aerospace Engineering
Smith, J. R., PH.D., Electrical Engineering
Smutz, M., PH.D., General Engineering
Spangler, B. D., M.S., Civil Engineering
Tesar, D., PH.D., Mechanical Engineering
Tou, J. T., D.N.G., Electrical Engineering
Tyner, M., PH.D., Chemical Engineering
Uman, M. A., PH.D., Electrical Engineering
Urone, P., PH.D., Environmental Engineering
Verink, E. D., Jr., PH.D., Engineering Education
Walker, R. D., Jr., M.S., Chemical Engineering
Wattleworth, J. A., PH.D., Civil Engineering
Wethington, J. A., Jr., PH.D., Nuclear Sciences
Williams, D. T., PH.D., Aerospace Engineering

Fine Arts:
Bowles, R. W., M.S., Music
Craven, R. C., Jr., M.F.A., Art
Danburg, R. L., M.M., Music
Grissom, E. E., M.F.A., Art
Hale, J. P., M.S., Music
Holbrook, H. H., B.F.A., Art
Keister, E. J., ED.D., Music
Kushner, D. Z., PH.D., Music
Poole, R., M.A., Music
Troupin, E. C., M.M., Music
Uelsmann, J. N., M.F.A., Art
Williams, H. D., M.ED., Art
Wilmot, D. L., M.A., Art

Graduate School:
Wahl, F. M., PH.D., Geology

Latin American Studies:
Carter, W. E., PH.D., Anthropology
Suarez, A., LL.B., Law

Journalism and Communications:
Christiansen, K. A., ED.D., Radio-TV Center
Davis, H. G., M.A., Journalism
Edwardson, M. N., PH.D., Broadcasting
Griggs, H. H., PH.D., Mass Communications
Pierce, F. N., PH.D., Advertising

Law:
Baldwin, F. N., LL.M.
Burnes, J. A., D.P.H.
Delony, D., LL.M.
Fenn, H. A., LL.B.
Freeland, J. J., LL.B.
Glicksberg, M., LL.M.
Gordon, M. W., J.D.
Hughes, K. B., S.J.D.
Hunt, E. L., LL.M.
Jones, E. M., J.S.D.
Juergensmeyer, J. C., J.D.
Little, J. W., M.S.
McCoy, F. T., M.A.
Macdonald, W. D., S.J.D.
Maloney, F. E., J.S.D.
Probert, W., J.S.D.
Quarles, J. C., LL.B.
Smith, D. T., LL.B.
Stephens, R. B., LL.B.
Van Alstyne, W., Jr., S.J.D.
Ward, P., LL.B.
Weyrauch, W. O., J.S.D.

Physical Education and Health:
Hicks, **Dora** A., ED.D., P.E. Professional Curriculum
Leavitt, **Norma** M., ED.D., P.E. Professional Curriculum
Leilich, R. E., R.ED., P.E. Professional Curriculum
Moore, C. A., PH.D., Physical Education for Men
Sandefur, W. T., H.S.D., P.E. Professional Curriculum
Stevens, B. K., M.A., P.E. Professional Curriculum
Updyke, W. F., PH.D., Professional Curriculum
Waglow, I. F., E.D., Physical Education

Medicine:
Agee, O. F., M.D., Radiology
Andersen, T. W., M.D., Anaesthesiology
Ayoub, E. M. M.D., Paediatrics
Boyce, R. P., PH.D., Biochemistry
Cassin, S., PH.D., Physiology
Debusk, F. L., M.D., Paediatrics
Eitzman, D. V., M.D., Biochemistry
Finlayson, B., PH.D., Biophysics
Fregly, M. J., PH.D., Physiology
Fried, M., PH.D., Biochemistry
Garcia-Bengoche, F., M.D., Surgery
Gifford, G. E., PH.D., Microbiology
Hill, H. M., M.D., Obstetrics
Hilling, H. C., PH.D., Public Administration
Kaude, J. V., M.D., Radiology
Kaufman, H. E., M.D., Ophthalmology
King, F. A., PH.D., Surgery
Leibman, K. C., PH.D., Pharmacology
Maren, T. H., M.D., Pharmacology
Mauderli, W., D.SC., Radiology
McKerns, K. W., PH.D., Obstetrics
Michael, M., Jr., M.D., General Medicine
Million, R. R., Radiology
Modell, J. H., M.D., Medicine
Moreland, A. F., M.S.ED., General Medicine
Noyes, W. D., M.D., Medicine
Otis, A. B., PH.D., Physiology
Perkins, H. M., M.D., Anaesthesiology
Pfaff, W. W., M.D., Surgery
Rennert, O. M., M.S., General Medicine
Reynolds, R. C., M.D., Medicine
Rhoton, A. L., Jr., M.D., Surgery
Ross, M. H., PH.D., Pathology
Rubin, M. L., M.D., Ophthalmology
Shands, J. W., Jr., M.D., Microbiology
Smith, R. T., M.D., Pathology
Spellacy, W. N., M.D., Obstetrics
Stainsby, W. N., SC.D., Physiology
Travis, D. M., M.D., Pharmacology
Vanmeirop, L. H., M.D., Paediatrics
Williams, C. M., PH.D., Radiology
Wittig, H. J., M.D., Paediatrics
Woodward, E. R., M.D., Surgery

Nursing:
Barton, P. H., D.ED., Education
Knowles, **Lois** N., M.A., Nursing

Pharmacy:
Becker, C. H., PH.D.
Garrett, E. R., PH.D.
Gramling, L. G., PH.D.
Rao, K. V., PH.D.
Villallonga, F. A., PH.D.

Health Related Professions:
Bzoch, K. R., PH.D., Communicative Disorders
Cohen, L. D., PH.D., Clinical Psychology
Davis, H. C., PH.D., Clinical Psychology
Perry, N. W., Jr., PH.D., Clinical Psychology
Rutan, F. M., M.S., Physical Therapy

Dentistry:
Balanoff, N., PH.D., Dentistry
Bennett, C. G., D.D.S., Dentistry
Bowman, J. F., D.M.D., Dentistry
Collett, W. K., SC.D., Radiation Biology
Fast, T. B., D.D.S., Oral Diagnosis
Fischlschweiger, W., PH.D., Zoology
Garrington, G. E., M.S., Pathology
Going, R. E., M.S., Histology
Grainger, D. A., D.D.S., Dentistry
Henderson, D., D.D.S., Dentistry
Lundeen, H. C., B.A., Dentistry
McKenzie, R. S., PH.D., Psychology
Mahan, P. E., PH.D., Physiology
Reith, E. J., PH.D., Dentistry
Smith, Q. M., Jr., M.PH., Public Health
Stanley, H. R., D.D.S., Oral Pathology

Agriculture and Forestry:
Ahmed, E. M., PH.D., Food Technology and Nutrition
Allen, G. E., PH.D., Soils
Ammerman, C. B., PH.D., Animal Science
Arrington, L. R., PH.D., Animal Science
Biggs, R. H., PH.D., Biochemistry
Blue, W. G., PH.D., Soils
Brasher, J. J., PH.D., Extension Administration
Brogdon, J. E., M.A.G., Entomology
Brooke, D. L., PH.D., Agricultural Economics
Caldwell, R. E., PH.D., Soils
Carpenter, J. W., PH.D., Animal Science
Clark, F., M.S.A., Agronomy
Clark, H. B., PH.D., Agricultural Economics
Combs, G. E., Jr., PH.D., Animal Science
Conrad, J. H., PH.D., Animal Science
Cook, A. A., PH.D., Plant Pathology
Covey, C. D., PH.D., Agricultural Economics
Dean, C. E., PH.D., Agronomy
Decker, P., PH.D., Plant Pathology
Dennison, R. A., PH.D., Food Technology and Nutrition
Eastwood, R. A., PH.D., Agricultural Economics
Edds. G. T.. PH.D., Veterinary Science
Edwardson, J. R., PH.D., Agronomy
Elkins, V. L., M.S., Agricultural Economics
Eno, C. F., PH.D., Soils
Feaster, J. P., PH.D., Animal Science
Fiskell, J. G., PH.D., Soils
Freeman, T. E., PH.D., Plant Pathology
Fry, J. L., PH.D., Poultry Science
Gammon, N., Jr., PH.D., Soils
Gerber, J. F., PH.D., Soils
Gray, J. L., D.F., Forestry
Green, V. E., PH.D., Agronomy
Habeck, D. H., PH.D., Entomology
Hall, C. B., PH.D., Food Technology and Nutrition
Hammond, L. C., PH.D., Soils
Harms, R. H., PH.D., Poultry Science
Harrison, D. S., MS.AG., Agricultural Engineering
Hentges, J. F., Jr., PH.D., Animal Science
Horner, E. S., PH.D., Agronomy
Humphreys, T. E., PH.D., Botany
Joiner, J. N., PH.D., Ornamental Horticulture
Jones, D. W., M.S.A., Agronomy
Kelly, J. F., PH.D., Vegetable Crops

Kerr, S. H., ph.d., Entomology
King, E. E., ph.d., Extension Administration
Koger, M., ph.d., Animal Science
Krezdorn, A. H., ph.d., Fruit Crops
Langham, M. R., ph.d., Agricultural Economics
Locascio, S. J., ph.d., Plant Physiology
Marshall, S. P., ph.d., Dairy Science
Matthews, R. F., ph.d., Food Technology and Nutrition
McCloud, D. E., ph.d., Agronomy
McCown, J. T., m.a.g., Fruit Crops
McPherson, W. W., ph.d., Agricultural Economics
Miller, H. M., ph.d., Plant Pathology
Miller, J. W., Jr., m.s.f., Forestry
Montelaro, J., ph.d., Vegetable Crops
Moore, J. E., ph.d., Animal Science
Morrill, O. L., ed.d., Extension Administration
Mott, G. D., ph.d., Agriculture and Forestry
Moxley, C. C., ph.d., Agricultural Economics
Mull, L. E., ph.d., Dairy Science
Mullin, R. S., ph.d., Plant Pathology
Mullins, J. T., ph.d., Botany
Murphey, M., Jr., ph.d., Entomology
Myers, F. E., m.a.g., Horticulture
Myers, J., m.s., Agricultural Engineering
Nation, J. L., ph.d., Entomology
Norden, Allan J., ph.d., Agronomy
Pace, J. E., m.s., Animal Science
Palmer, A. Z., ph.d., Animal Science
Perry, V. G., ph.d., Entomology
Pfahler, P. L., ph.d., Agronomy
Polopolus, L., ph.d., Agricultural Economics
Pritchett, W. L., ph.d., Soils
Purdy, L. H., ph.d., Plant Pathology
Reddish, R. L., ph.d., Animal Science
Roberts, D. A., ph.d., Plant Pathology
Robertson, W. K., ph.d., Soils
Robinson, F. A., m.s., Entomology
Rodgers, E. G., ph.d., Agronomy
Rothwell, D. F., ph.d., Soils
Ruelke, O. C., ph.d., Agronomy
Schenk, N. C., ph.d., Plant Pathology
Sharpe, M. H., ph.d., Editorial
Sharpe, M. H., m.s., Fruit Crops
Sheehan, T. J., ph.d., Ornamental Horticulture
Shirley, R. L., ph.d., Animal Science
Showalter, R. K., m.s., Food Technology and Nutrition
Simpson, C. F., ph.d., Veterinary Science
Skinner, T. C., m.ag., Agricultural Engineering
Smart, G. C., Jr., ph.d., Entomology
Smith, C. N., ph.d., Agricultural Economics
Soule, J., ph.d., Fruit Crops
Spinks, D. O., ph.d., Soils
Stall, R. E., ph.d., Plant Pathology
Thompson, B. D., ph.d., Vegetable Crops
Van Horn, H. H., ph.d., Dairy Science
Walker, T. J., ph.d., Entomology
Wallace, H. D., ph.d., Animal Science
Warnick, A. C., ph.d., Animal Science
West, S. H., ph.d., Research Administration
Whitcomb, W. H., ph.d., Entomology
White, F. H., ph.d., Veterinary Science
Wilcox, C. J., ph.d., Dairy Science
Wilkinson, R. C., ph.d., Veterinary Science
Wilkowske, H. H., ph.d., Agriculture and Forestry
Yuan, L. W., ph.d., Fruit Crops

UNIVERSITY OF MIAMI

CORAL GABLES, FLORIDA 33124

Chartered 1925.

Telephone: (305) 284-2211.

Private control; Academic year: August to May (two terms).

President: Henry King Stanford, ph.d.
Provost and Executive Vice-President for Academic Affairs: Clyde J. Wingfield, ph.d.
Executive Vice-President for Administration and Finance: John L. Green, ph.d.
Vice-President for Medical Affairs and Dean: Emanuel M. Papper, ph.d.
Vice-President for Special Projects: Eugene E. Cohen, m.b.a.
Vice-President for Development Affairs: Edward G. Coll, a.b.
Vice-President for Student Affairs: W. R. Butler, ed.d.
Dean of Students: William B. Sheeder, m.a.
Registrar: G. W. Smith, m.s.
Librarian: A. L. McNeal, ph.d.

The library contains 1,322,453 vols.

Number of teachers: 1,180 full-time (including 401 full professors), 147 part-time, total 1,327.

Number of students: 17,105.

Publications: *University of Miami Press* (book publications), *The Miami Hurricane* (student bi-weekly newspaper), *Ibis* (yearbook), *Journal of Inter-American Studies* (quarterly), *World Affairs* (quarterly), *University Bulletins.*

Deans:

Graduate School: Clarence G. Stuckwisch, ph.d.
College of Arts and Sciences: Arthur W. Brown, ph.d.
Research Co-ordination: E. H. Man, ph.d.
School of Business Administration: Edward J. Fox, ph.d.
School of Education: Lou Kleinman, ph.d.
School of Engineering and Architecture: Norman G. Einspruch, ph.d.
School of Law: Soia Mentschikoff, ll.d.
School of Medicine: E. M. Papper, m.d.
School of Music: W. F. Lee, ph.d.
School of Nursing: Barbara Buchanan, m.s.
School of Continuing Studies: M. R. Allen, ph.d.
Rosenstiel School of Marine and Atmospheric Sciences: William H. Hay, ph.d.

Attached Institutes:

Centre for Theoretical Studies: f. 1964; Dir. Prof. B. Kursunoglu.

Centre for Advanced International Studies: f. 1964; Dir. (vacant).

Institute for Molecular and Cellular Evolution: f. 1964; Dir. Sidney W. Fox, ph.d.

UNIVERSITY OF SOUTH FLORIDA

4202 EAST FOWLER AVE., TAMPA, FLORIDA 33620

Telephone: 974-2011.

Founded 1956, classes commenced 1960.

State control; Academic year: September to August (four terms).

President: Dr. Cecil Mackey.
Registrar: Douglas McCullough.
Vice-President of Academic Affairs: Dr. Carl D. Riggs.
Vice-President of Student Affairs: Dr. Joe A. Howell.
Vice-President for Finance and Planning: Albert C. Hartley.
Vice-President for Administration: Kenneth Thompson.
Librarian: Mrs. Mary Lou Harkness.

The library contains 500,000 vols.
Number of teachers: 1,200.
Number of students: 22,000.

Deans:

College of Business Administration: Dr. Robert G. Cox.
College of Education: Dr. Roger Wilk.
College of Engineering: E. W. Kopp.
College of Fine Arts: Dr. Donald J. Saff.
College of Medicine: Dr. D. L. Smith.
College of Nursing: Dr. Gwendolyn MacDonald.
College of Arts and Letters: Dr. David H. Smith.
College of Natural Sciences: Dr. James Ray.
College of Social Sciences: Dr. Travis Northcutt.

UNIVERSITY OF TAMPA

TAMPA, FLORIDA 33606

Telephone: 253-8861.

Founded 1931.

President: Richard D. Cheshire.
Provost: Michael J. Mendelsohn.
Vice-President for Business: Edmund P. Sling.
Librarian: Mrs. Lydia Acosta.

The library contains 156,000 vols.
Number of teachers: 81 full-time.
Number of students: 1,877.

GEORGIA

AGNES SCOTT COLLEGE

DECATUR, GEORGIA 30030

Undergraduate liberal arts college for women.

Founded 1889.

President: Marvin B. Perry, Jr., ph.d.
Dean of Faculty: Julia T. Gary, ph.d.
Dean of Students: Martha C. Kirkland, m.a.
Registrar: Lea Ann Grimes, b.a.
Director of Admissions: Judith M. Tindel, b.a.

Librarian: Judith Jensen, L.M.S.

The library contains 150,000 vols.

Number of teachers: 67, including 19 professors.

Number of students: 575 women.

Publications: *Bulletin*, *Alumnae Quarterly*.

ALBANY STATE COLLEGE

ALBANY, GEORGIA 31705

Telephone: 439-4095.

Founded 1903.

President: Charles L. Hayes.
Director of Admissions: Dr. J. Allen Pete, Jr.
Librarian: Dr. Guy C. Craft.

The library contains 89,000 vols.

Number of teachers: 130.

Number of students: 2,274.

ATLANTA UNIVERSITY

ATLANTA, GEORGIA 30314

Founded 1865; Chartered 1867.

President: Cleveland L. Dennard.
Treasurer: Dwight C. Minton.
Registrar: G. H. Taylor.

The library contains 380,000 vols.

Number of teachers: 127 full-time.

Number of students: 1,417.

Publications: *Atlanta University Bulletin*† (quarterly), *Phylon*†, *The Atlanta University Review of Race and Culture* (quarterly).

Deans:

Education: Huey E. Charlton.
Business Administration: Augustus H. Sterne.
Arts and Sciences: B. F. Hudson, Jr.
Social Work: Genevieve T. Hill.
Library Service: Virginia L. Jones.

BERRY COLLEGE

MOUNT BERRY, GEORGIA 30149

Founded 1902.

President: John R. Bertrand.
Dean of Students: Thomas W. Carver.
Academic Dean: L. Doyle Mathis.
Dean of Admissions: Thomas C. Glover.
Registrar: Gary Woolley.

The library contains 262,000 vols.

Number of teachers: 79 full-time and 21 part-time.

Number of students: 1,632.

Publication: *Admissions Catalog*†.

CLARK COLLEGE

240 CHESTNUT ST., S.W.,
ATLANTA, GEORGIA 30314

Telephone: (404) 681-3080.

Founded 1869.

President: Elias Blake, Jr.
Director of Admissions: Clifton Rawles.
Director of Business Affairs: William W. Morrell.
Dean of Faculty and Instruction: Dr. Paul Brown.
Dean of Students: Curtis D. Gillespie
Librarian: Mrs. Fannie B. Hogan.

The library contains 58,000 vols.

Number of teachers: 109.

Number of students: 1,770.

Publications: *The Panther* (term-time student journal), *The Mentor* (three times a year).

EMORY UNIVERSITY

ATLANTA, GEORGIA 30322

Telephone: 329-6123.

Related to the United Methodist Church.

Chartered as Emory College 1836, University 1915.

President: James T. Laney, Ph.D.
Executive Vice-President and Dean of Faculties: J. C. Ward, Jr., Ph.D.
Vice-President for Business: O. E. Myers, Jr., A.M.
Vice-President for Development: Pollard Turman, LL.D.
Vice-President for Student and Academic Services: T. L. Fernandez, Ph.D.
Vice-President for Graduate Studies: C. T. Lester, Ph.D.
Vice-President for Finance and Treasurer: Hugh E. Hilliard, C.P.A.
Vice-President for Health Affairs and Director of the Woodruff Medical Centre: E. Garland Herndon, M.D.
Director of Admissions: C. N. Watson, A.M.
Registrar: Charles R. Nicolaysen.
Director of Libraries: Herbert Johnson, M.A.

The library contains 2,005,783 vols.

Number of teachers: 1,137 (full-time).

Number of students: 7,572.

Publications: *Emory Magazine*, *Emory Law Journal*.

Deans:

Emory College: John M. Palms, Ph.D.
Oxford College (Oxford): William Moncrief, Ph.D.
Business Administration: Albert J. Bows.
Dentistry (Atlanta): G. H. Moulton, D.D.S.
Graduate School: C. T. Lester, Ph.D.
School of Law: L. Ray Patterson, S.J.D.
Medicine: A. P. Richardson, M.D.
Nursing: Edna Grexton, D.P.A.
Theology: Jim L. Waits.

FORT VALLEY STATE COLLEGE

FORT VALLEY, GEORGIA 31030

Telephone: 825-8281.

Founded 1895.

President: C. W. Pettigrew.
Dean of the Faculty: W. S. M. Banks, II.
Associate Dean: Thomas Barrett.
Registrar: Edward Graening.
Librarian: Miss Homie Regulus.

The library contains 140,797 vols.

Number of teachers: 152.

Number of students: 2,000.

GEORGIA COLLEGE MILLEDGEVILLE

MILLEDGEVILLE, GEORGIA 31061

Chartered in 1889 as Georgia Normal and Industrial College; name changed 1922 to Georgia State College for Women and 1961 to The Woman's College oi Georgia. Its present name dates from 1967 when it became a co-educational institution.

President: Dr. J. Whitney Bunting.
Vice-President: Ralph W. Hemphill.
Registrar and Director of Admissions: R. L. Cox, Jr.
Comptroller: W. L. Eddins.
Dean of Students: K. Richard Pyle.

Number of books in library: 120,000.

Number of teachers: 161.

Number of students: 3,500.

Publication: *Bulletin* (12 times a year).

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA 30332

Telephone: (404) 894-2000.

Chartered 1885.

President: Joseph M. Pettit, Ph.D.
Registrar: Frank E. Roper, Jr., M.S.I.E.
Vice-President, Academic Affairs: Vernon D. Crawford, Ph.D.
Vice-President, Business and Finance: Gene M. Nordby, Ph.D.
Vice-President, Development and Public Relations: Joe W. Guthridge, B.S.
Vice-President, Planning: Clyde D. Robbins, Ph.D.
Vice-President, Research: Thomas E. Stelson, Ph.D.
Librarian: E. Graham Roberts, Ph.D.
Executive Secretary: Janice Gosdin, B.S.

The library contains 890,000 vols.

Number of teachers: 860.

Number of students: 9,500.

Publications: *The Technique*, *Engineer*, *Blue Print*.

Deans:

College of Architecture: William L. Fash, M.Arch.
College of Engineering: William M. Sangster, Ph.D.
College of Industrial Management: Ferdinand K. Levy, Ph.D.
College of Science and Liberal Studies: Henry S. Valk, Ph.D.
Graduate Studies: Sam C. Webb, Ph.D.
Students: James E. Dull, M.Ed.

School Directors:

Aerospace Engineering: Arnold L. Ducoffe, ph.d.
Biology: John W. Crenshaw, ph.d.
Ceramic Engineering: Joseph L. Pentecost, ph.d.
Chemical Engineering: G. L. Bridger, ph.d.
Chemistry: J. Aaron Bertrand, ph.d.
Civil Engineering: John F. Fitzgerald, d.sc.
Electrical Engineering: Demetrius T. Paris, ph.d.
Engineering Science and Mechanics: Milton E. Raville, ph.d.
Health Systems: Harold E. Smalley, ph.d.
Geophysical Sciences: Charles E. Weaver, ph.d.
Information and Computer Science: Vladimir Slamecka, d.l.s.
Industrial and Systems Engineering: Robert N. Lehrer, ph.d.
Mathematics: John D. Neff, ph.d.
Mechanical Engineering: Stothe P. Kezios, ph.d.
Nuclear Engineering: Lynn E. Weaver, ph.d.
Physics: James R. Stevenson, ph.d.
Psychology: Edward H. Loveland, ph.d.
Textile Engineering: W. Denney Freeston, Jr., ph.d.

Academic Department Directors:

Air Force Aerospace Studies: Gerald F. Mackey, m.b.a.
English: Karl M. Murphy, ph.d.
Military Science: Hans G. Ruthe, m.s.
Modern Languages: Louis J. Zahn, ph.d.
Music: Edward S. Bridges, ed.d.
Naval Science: Gelzer L. Sims, m.s.e.
Physical Education and Recreation: Bill D. Beavers, m.s.
Social Science: Patrick Kelly, ph.d.

Attached Centers and Institutes:

Engineering Experiment Station: Dir. Donald J. Grace, ph.d.

Georgia Tech Research Institute: Gen. Man. William H. Borchert, m.s.

Bioengineering Center: Dir. Melvin W. Carter, ph.d.

Health Systems Research Center: Dir. Harold E. Smalley, ph.d.

Environmental Resources Center: Dir. Bernd Kahn, ph.d.

GEORGIA SOUTHERN COLLEGE

STATESBORO, GEORGIA 30458
Telephone: 764-6611.
Founded 1906.

President: (vacant).
Vice-President: N. W. Quick.
Director of Administration and Fiscal Affairs: William Cook.
Dean of Students: Ben Waller.
Registrar: L. Joyner.
Librarian: Kenneth Walter.

The library contains 170,000 volumes.

Number of teachers: 360.
Number of students: 6,000.

GEORGIA STATE UNIVERSITY

UNIVERSITY PLAZA,
ATLANTA, GEORGIA 30303
Telephone: 658-2000.
Founded 1913.

President: Dr. Noah Langdale, Jr.
Executive Vice-President and Provost: Dr. William M. Suttles.
Vice-President for Academic Affairs: Dr. Eli A. Zubay.
Vice-President for Academic Services: Dr. Kathleen D. Crouch.
Vice-President for Student Services: Dr. William S. Patrick.
Vice-President for Urban Affairs: Dr. Edmund W. Hughes.
Vice-President for Financial Affairs: Dr. Roger O. Miller.
University Librarian: Dr. Ralph E. Russell.

The library contains 600,000 vols. plus microforms.

Number of teachers: *c.* 1,000.
Number of students: *c.* 21,000.

Publications: *Atlanta Economic Review, Foreign Languages Beacon, Studies in Literary Imagination.*

Deans:

College of Allied Health Sciences: Dr. J. Rhodes Haverty.
College of Arts and Sciences: Dr. Glenn G. Thomas.
College of Business Administration: Dr. Kenneth Black, Jr.
College of Education: Dr. Sherman R. Day.
College of General Studies: Dr. Charles E. Hopkins.
College of Urban Life: Dr. William W. Nash.

LA GRANGE COLLEGE

LA GRANGE, GEORGIA 30240
Telephone: (404) 882-2911.
Founded 1831.

President: Dr. Waights G. Henry, Jr.
Registrar: Jimmy G. Herring.
Dean of Admissions: Ronnie de Valinger.
Librarian: Frank W. Lewis.

The library contains 60,000 vols.

Number of teachers: 52.
Number of students: 800.

MERCER UNIVERSITY

MACON, GEORGIA 31207
Telephone: (912) 745-6811.
Chartered 1833.
Private control, Baptist.

President: Dr. Rufus C. Harris.
Registrar: T. M. Trimble.
Business Officer: W. T. Haywood.
Dean of Students: Charles Schroeder.
Librarian: D. L. Metts, Jr.

Number of teachers: 126.
Number of students: 3,500.

Publication: *Mercer University Bulletin.*

Deans:

Arts and Sciences: R. Kirby Godsey.
Director of Graduate Studies: P. Cable.
Law: Bruce R. Jacob.
Medicine: John D. Harries.
Mercer University in Atlanta: Jean Hendricks.
Pharmacy: O. Littlejohn.
Summer Session: P. E. Cable.
Director of Admissions: J. T. Mitchell.

MOREHOUSE COLLEGE

223 CHESTNUT STREET S.W.,
ATLANTA, GEORGIA 30314
Telephone: Murray 8-4223.
Founded 1867.

President: Hugh M. Gloster.
Registrar: Elliott Stephenson.
Academic Dean: W. J. Hubert.
Librarian: Mrs. Jessie E. Ebanks.

The library contains 297,296 volumes.

Number of teachers: 100 full-time.
Number of students: 1,525.

MORRIS BROWN COLLEGE

643 MARTIN LUTHER KING JR. DRIVE, N.W.,
ATLANTA, GEORGIA 30314
Telephone: 525-7831.
Founded 1881.

President: Dr. Robert Threatt.
Director of Admissions and Records: Mrs. Lucille S. Williams.
Vice-President for Academic Affairs: Dr. Willie F. Payne.
Librarian: Mrs. V. W. Jenkins.

The library contains 45,706 vols.

Number of teachers: 94.
Number of students: 1,643.

NORTH GEORGIA COLLEGE

DAHLONEGA, GEORGIA 30533
Telephone: 864-2516.
Founded 1873.

President: John H. Owen.
Registrar: Gary R. Steffey.
Librarian: Mrs. Marjorie J. Clark.

The library contains 107,410 vols.

Number of teachers: 86.
Number of students: 1,818.

Publication: *North Georgia College Bulletin Series.*

OGLETHORPE UNIVERSITY

ATLANTA, GEORGIA 30319
Telephone: 261-1441.
Founded 1835.

President: Manning M. Pattillo, Jr.
Registrar: G. Malcolm Amerson.

Director of Admissions: CHARLES P. SULLIVAN.
Librarian: T. W. CHANDLER, Jr.

The library contains 61,000 bound vols.

Number of teachers: 46.
Number of students: 860.

PAINE COLLEGE

AUGUSTA, GEORGIA 30901
Telephone: (404) 722-4471.
Founded 1882.

President: JULIUS S. SCOTT, Jr.
Registrar: Mrs. HELENA THOMPSON.
Librarian: Mrs. MILLIE PARKER.

The library contains 61,830 vols.

Number of teachers: 57.
Number of students: 840.

PIEDMONT COLLEGE

DEMOREST, GEORGIA 30535
Telephone: (404) 723-3691.
Founded 1897.

President: Dr. JAMES E. WALTER.
Registrar: JOHN B. AYERS.
Dean: Dr. J. L. BURTON.
Librarian: DAVID PRATT.

The library contains 51,000 volumes.

Number of teachers: 24.
Number of students: 440.

SAVANNAH STATE COLLEGE*

SAVANNAH, GEORGIA 31404
Telephone: 356-2240.
Founded 1890.

President: Dr. PRINCE A. JACKSON.
Registrar: ROLLAN HENRY, Jr.
Librarian: ANDREW J. MCLEMORE.

The library contains *c.* 70,000 vols.

Number of teachers: 98.
Number of students: 2,444.

* No reply received to our questionnaire this year.

SHORTER COLLEGE

ROME, GEORGIA 30161
Telephone: (404) 291-2121.
Founded 1873.

President: Dr. RANDALL H. MINOR.
Academic Dean: Dr. CHARLES W. WHITWORTH.
Business Manager: WESTON PLYMALE.
Director of Admissions: Miss PAT HART.
Registrar: Mrs. PALMER GRAHAM.
Dean of the Division of Student Services: Dr. CRAIG ALLEE.
Director of Financial Aid and Placement: CLIFFORD CORMANY.
Librarian: Mrs. MARY MAC MOSLEY.

The library contains 74,090 vols.

Number of teachers: 58.
Number of students: 860.

SPELMAN COLLEGE

350 SPELMAN LANE S.W.,
ATLANTA, GEORGIA 30314
Telephone: 681-3643.
Founded 1881.

President: DONALD M. STEWART.
Registrar: Mrs. JEANNE ALLEN.
Librarian: Mrs. MEXICO H. MICKELBURY.

The library contains 43,951 vols. and 248 periodicals.

Number of teachers: 112.
Number of students: 1,276.

UNIVERSITY OF GEORGIA

ATHENS, GEORGIA 30602
Telephone: 542-3030.

Incorporated by Act of General Assembly January 27, 1785, established 1801.

President: FRED C. DAVISON, D.V.M., PH.D.
Vice-President for Academic Affairs: Dr. VIRGINIA Y. TROTTER, M.S., PH.D.
Vice-President for Research: R. C. ANDERSON, M.A., PH.D.
Vice-President for Services: S. E. YOUNTS, M.S., PH.D.
Vice-President for Business and Finance: A. W. BARBER, M.B.A.
Vice-President for Development and University Relations: H. PERK ROBINS, B.S.
Registrar: BRUCE T. SHUTT, M.S., PH.D.
Librarian: W. N. BOES, A.M., LIB.SCI.

The library contains 1,800,000 vols.

Number of teachers: 1,750.
Number of students: 21,700.

DEANS:

Students: DWIGHT DOUGLAS, ED.D.
Graduate School: H. M. EDWARDS, Jr., M.S., PH.D.
College of Agriculture: H. W. GARREN, M.A., PH.D.
College of Arts and Sciences: Dr. W. J. PAYNE, PH.D. (acting).
College of Business Administration: W. C. FLEWELLEN, M.S., PH.D.
College of Education: J. A. WILLIAMS, M.S., D.ED.
School of Environmental Design: ROBERT P. NICHOLLS, M.L.A.
School of Forestry: A. M. HERRICK, M.F., PH.D.
School of Home Economics: EMILY H. POU, PH.D.
School of Journalism: SCOTT M. CUTLIP, PH.M.
School of Law: JAMES RALPH BEAIRD, LL.M.
School of Pharmacy: HOWARD C. ANSEL, PH.D.
School of Veterinary Medicine: DAVID P. ANDERSON, PH.D.
School of Social Work: C. A. STEWART, M.A., M.S.S.W., PH.D.

VALDOSTA STATE COLLEGE

NORTH PATTERSON STREET,
VALDOSTA, GEORGIA 31601
Telephone: 247-3200.
Founded 1906.

President: HUGH C. BAILEY.
Vice-President and Dean of Faculties: W. RAY CLEERE.
Registrar: ARTHUR L. BOSTOCK, Jr.
Librarian: DAVID L. INCE.

The library contains 190,000 vols.

Number of teachers: 250.
Number of students: 5,200.

WESLEYAN COLLEGE

MACON, GEORGIA 31201
Telephone: (912) 477-1110.
Founded 1836.

President: W. EARL STRICKLAND.
Dean: OSCAR C. PAGE.
Director of Admissions: BURTON FITE.
Librarian: HASSELTINE ROBERTS.

The library contains 98,364 vols.

Number of teachers: 47.
Number of students: 536.

WEST GEORGIA COLLEGE

CARROLLTON, GEORGIA 30117
Telephone: (404) 834-1388.
Founded 1933 (senior college status, 1957).

President: Dr. MAURICE K. TOWNSEND.
Vice-President and Dean of Faculties: Dr. JOHN T. LEWIS.
Dean of Graduate School: Dr. B. W. GRIFFITH, Jr.
Registrar: MERALD E. THOMAS.
Director of Admissions: C. DOYLE BICKERS.
Librarian: CHARLES E. BEARD.

The library contains 213,939 vols.

Number of teachers: 269.
Number of students: 5,378.

HAWAII

BRIGHAM YOUNG UNIVERSITY—HAWAII CAMPUS

LAIE, OAHU, HAWAII 96762
Telephone: 293-9211.
Founded 1955.

President: DALLIN H. OAKS.
Executive Vice-President: DAN W. ANDERSON.
Registrar: CHARLES GOO.
Librarian: CURTIS FAWSON.

The library contains 90,000 vols.

Number of teachers: 87.
Number of students: 1,173.

CHAMINADE UNIVERSITY OF HONOLULU

3140 WAIALAE AVENUE,
HONOLULU, HAWAII 96816
Telephone: 732-1471.
Founded 1955.

President: Rev. David H. Schuyler, S.M.

Vice-President: Charles R. Borns, M.B.A.

Vice-President for Administrative Affairs: Charles R. Borns, M.B.A.

Vice-President for Academic Affairs: Dr. Helen C. Volkomener, S.P.

Director of Admissions: William F. Murray, M.A.

Registrar: Bro. Herman Gerber, S.M.

Dean of Students: Mrs. Sarah Richards.

Librarian: Marian Hubbard.

The library contains 50,000 vols.

Number of teachers: 180.

Number of students: 1,657 full-time.

Publications: *Newsletter* (quarterly), *Silversword, Aulama, 'Ahinahina.*

UNIVERSITY OF HAWAII

2444 DOLE ST.,
HONOLULU, HAWAII 96822

Founded 1907, University of Hawaii 1920. A state-wide system, including university and community colleges.

President: Fujio Matsuda, SC.D.

Vice-President for Academic Affairs: Durward Long, PH.D.

Chancellor for Community Colleges: Edwin H. Mookini, PH.D.

Director of Administration: Harold Masumoto, J.D.

Publications: *Bulletins.*

University of Hawaii at Hilo

P.O.B. 1357, Hilo 96720
Liberal Arts College.

Chancellor: Edwin Mookini, PH.D.

Dean: David C. Purcell, Jr.

Number of students: 3,000.

University of Hawaii at Manoa

2500 Campus Rd.,
Honolulu, Hawaii 96822

Chancellor: Douglas S. Yamamura, PH.D.

Vice-Chancellor for Academic Affairs: Geoffrey Ashton, D.SC.

Vice-Chancellor for Administration: Keith Snyder, B.A.

Librarian: Don L. Bosseau.

Dean of Students: Ely Meyerson.

Number of students: 21,106.

Deans:

College of Arts and Sciences: D. E. Contois, PH.D.

College of Business Administration: David E. Heenan, PH.D.

College of Continuing Education and Community Service: Wesley T. Park, M.ED.

College of Education: H. V. Everly, PH.D.

College of Engineering: J. W. Shupe, PH.D.

College of Tropical Agriculture: William R. Furtick, PH.D.

School of Medicine: T. A. Rogers, PH.D.

School of Public Health: Jerrold M. Michael, M.P.H.

School of Nursing: Helen Burnside, ED.D.

School of Social Work: Daniel Sanders, PH.D.

School of Travel Industry Management: Chuck Gee, M.A.

School of Law: Cliff Thompson, LL.B.

School of Library Studies: Ira W. Harris, PH.D.

Graduate Division: H. P. McKaughan, PH.D.

Marine Programs: J. P. Craven, PH.D.

Summer Session: Robert K. Sakai, PH.D.

IDAHO

COLLEGE OF IDAHO

CALDWELL, IDAHO 83605
Telephone: (208) 459-5011.
Founded 1891.

President: William C. Cassell.

Registrar: William E. Wallace.

Librarian: R. G. Elliott.

The library contains 155,000 vols.

Number of teachers: 48.

Number of students: 715.

IDAHO STATE UNIVERSITY

POCATELLO, IDAHO 83201
Telephone: (208) 236-0211.
Founded 1901.

President: Dr. Myron L. Coulter.

Academic Vice-President: Dr. C. H. Kegel.

Administrative Vice-President: Dr. R. John Eyre.

Financial Vice-President: Philip H. Eastman.

Dean of Student Affairs: Jay G. Jensen.

Registrar: Darold H. Chambers.

Librarian: E. M. Oboler.

The library contains 230,000 vols.

Number of teachers: 379.

Number of students: 5,221.

NORTHWEST NAZARENE COLLEGE

NAMPA, IDAHO 83651
Telephone: 467-8011.
Founded 1913.

President: Kenneth H. Pearsall.

Vice-President for Academic Affairs: Dr. G. Ford.

Registrar: Mrs. Wanda McMichael.

Director of Admissions: B. Webb.

Librarian: Miss Edith Lancaster.

The library contains 81,550 vols.

Number of teachers: 75.

Number of students: 1,112.

UNIVERSITY OF IDAHO

MOSCOW, IDAHO 83843
Telephone: 885-6111.
Chartered 1889

President: Richard D. Gibb, PH.D.

Academic Vice-President: R. W. Coonrod, PH.D.

Financial Vice-President/Bursar: S. F. Carter, PH.D.

Vice-President for Student and Administrative Services: T. E. Richardson, PH.D.

Registrar: M. E. Telin, M.ED.

Director of Admissions: F. Young, M.S.

Business Manager: Don. A. Amos, B.S.

Librarian: W. S. Owens, M.A.

The library contains 905,000 vols.

Number of teachers: 540.

Number of students: 7,501.

Deans:

Graduate: R. W. Stark, PH.D.

Agriculture: A. M. Mullins, PH.D.

Business and Economics: J. W. Knudsen, PH.D.

Education: E. V. Samuelson, ED.D.

Engineering: R. R. Furgason, PH.D.

Forestry: J. H. Ehrenreich, PH.D.

Law: A. R. Menard, Jr., LL.B.

Letters and Science: E. K. Raunio, PH.D.

Mines: M. M. Miller, PH.D.

Director of Continuing Education: Susan S. Burcaw, M.A.T.

ILLINOIS

AUGUSTANA COLLEGE

ROCK ISLAND, ILLINOIS 61201
Founded 1860.

President: Thomas Tredway.

Vice-President: H. W. Sundelius.

Registrar: Dorothy A. Bjornson.

Director of Admissions: Ralph E. Starenko.

Placement Officer: Mrs. Vicki DeLorey.

Librarian: John Caldwell.

The library contains 205,316 vols.

Number of teachers: 117 full-time, 39 part-time (including 32 full professors).

Number of students: 2,188 full-time, 154 part-time, total 2,342.

Deans:

College: H. W. Sundelius.

Students: J. C. Ribbeck.

BLACKBURN COLLEGE

700 COLLEGE AVENUE,
CARLINVILLE, ILLINOIS 62626
Telephone: (217) 854-3231.
Founded 1857.

President: John Alberti, Ph.D.
Registrar: (vacant).
Dean: Joseph C. Dana.
Director of Admissions: Donald Gix.
Librarian: R. L. Underbrink.

The library contains 65,000 vols.
Number of teachers: 38.
Number of students: 643.

BRADLEY UNIVERSITY

PEORIA, ILLINOIS 61625
Telephone: Peoria 676-7611.
Founded 1897.

President: Dr. Martin G. Abegg.
Vice-President for Academic Affairs: Dr. John C. Hitt.
Vice-President for Business Affairs and Treasurer: J. F. Mele.
Vice-President for Development: L. V. Atchison.
Assistant Vice-President for Life Planning: Dr. Thomas Huddleston, Jr.
Director of Admissions: Charles B. Wharton.
Director of Financial Aid: Burt F. Batty.
Director of Institutional Research and Registrar: Miss Ruth Jass.
Librarian: Dr. Robert A. Jones.

Number of teachers: 284.
Number of students: 5,050.

Deans:

College of Liberal Arts and Sciences: Dr. Max Kele.
Graduate School: Dr. James Ballowe.
College of Business Administration: Dr. Thomas Bausch.
College of Communications and Fine Arts: Dr. Philip Weinberg.
College of Education: Dr. Larry K. Bright.
College of Engineering and Technology: Dr. P. Z. Bulkeley.
College of Continuing Education: Dr. Donald M. Albanito.
College of Health Sciences: Dr. James M. Mullendore.

Directors:

School of Music: Dr. A. Cannon.
School of International Studies: Dr. John Howard.
School of Art: Prof. Verne Funk.
School of Speech and Hearing Sciences: Dr. J. M. Mullendore.

CHICAGO STATE UNIVERSITY

95th ST. AT KING DRIVE,
CHICAGO, ILLINOIS 60628
Telephone: (312) 995-2000.
Founded 1867.

State control; Academic year: September to August (three terms).

President: Benjamin H. Alexander.
Vice-President for Student Affairs: (vacant).
Vice-President for Academic Affairs: (vacant).
Vice-President for Administrative Affairs: Arthur Elbert.
Vice-President for Research and Development: Elmer Washington.
Librarian: Patrick Leonard.

Number of teachers: 350.
Number of students: 6,880.

Publications: *Illinois Schools Journal* (quarterly), *Second Century* (quarterly alumni magazine), annual catalogues.

COLLEGE OF ST. FRANCIS

500 WILCOX ST.,
JOLIET, ILLINOIS 60435
Telephone: (815) 740-3360.
Founded 1930.

President: Dr. John C. Orr.
Academic Vice-President: Dr. Philip Steinkrauss.
Director of Libraries: Sr. Carol Ann Novak, O.S.F.

The library contains 105,000 vols.
Number of teachers: 69.
Number of students: 2,900.

Publications: *Bulletin* (annually), *Magazine* (quarterly).

DEPAUL UNIVERSITY

CHICAGO, ILLINOIS 60604
Telephone: (312) 321-8000.

Chartered as Saint Vincent's College 1898, as DePaul University 1907.

Chancellor: Very Rev. Comerford J. O'Malley, C.M., S.T.D., LL.D.
President: Very Rev. J. R. Cortelyou, C.M., Ph.D.
Vice-President and Dean of Faculties: Rev. J. T. Richardson, C.M., S.T.D.
Treasurer: Rev. A. L. Dundas, C.M., A.M.
Vice-President for Business Affairs: J. Kompare, J.D.
Vice-President for Student Affairs: Very Rev. Edward F. Riley, C.M.
Vice-President for Development and Public Relations: Arthur J. Schaefer.
Registrar: R. L. Hoefler.
Librarian: Glenn Scharfenorth.

The library contains 390,000 vols.
Number of teachers: 336 (full-time).
Number of students: 11,052.

Publications: *De Paul Magazine* (quarterly), *De Paulia* (weekly), *Law Review* (half-yearly), *Newsline* (bi-weekly).

Deans:

Arts and Science: Patricia A. Ewers, Ph.D.
Commerce: James J. Diamond, Ph.D.
Graduate: Rev. W. Cortelyou, C.M., S.T.D.
Law: Richard C. Groll, J.D., LL.M.
Music: Frederick Miller, D.M.A.
Education: A. M. Flynn, Ph.D.
School for New Learning: Howard A. Sulkin, Ph.D.

EASTERN ILLINOIS UNIVERSITY

CHARLESTON, ILLINOIS 61920
Telephone: 581-2021.
Founded 1895.

President: Dr. Daniel E. Marvin, Jr.
Vice-President for Student Affairs: Dr. G. D. Williams.
Vice-President for Academic Affairs: Dr. Thomas Bond.
Vice-President for Business Services: H. J. Holt.
Vice-President for Administrative Affairs: (vacant).
Librarian: Dr. B. J. Szerenyi.

Number of teachers: 600.
Number of students: 9,879.

Publication: *Eastern Illinois University General Catalog.*

Deans:

School of Education: Dr. H. J. Merigis.
Graduate School: (vacant).
Arts and Sciences: Dr. L. Ringenberg.

ELMHURST COLLEGE

190 PROSPECT STREET,
ELMHURST, ILLINOIS 60126
Telephone: (312) 279-4100.
Founded 1871.

President: Ivan E. Frick.
Dean of College: Peter Schmiechen.
Director of Admissions and Financial Aid: Donald R. Weiss.
Librarian: Melvin J. Klatt.

The library contains 120,000 vols.

Number of teachers: 99 (Day Session).

Number of students: 1,500 Day Session, 1,100 Evening Session.

EUREKA COLLEGE

EUREKA, ILLINOIS 61530
Telephone: (309) 467-3721.
Founded 1855.

President: Dr. Daniel D. Gilbert.
Dean of Faculty: Dr. Jerry D. McCoy.
Dean of Admissions: George Hearne.
Dean of Student Development: Alan Meredith.
Librarian: Nordis Smith.

The library contains 78,000 vols.

Number of teachers: 36.
Number of students: 440.

GEORGE WILLIAMS COLLEGE

555 31st STREET, DOWNERS
GROVE, ILLINOIS 60515
Telephone: 964-3100.
Founded 1890.

President: Dr. Richard E. Hamlin.

Registrar: LAWRENCE J. BORGNINE.
Librarian: MARILYN T. THOMPSON.

The library contains 77,000 vols.

Number of teachers: 79 full-time.
Number of students: 1,788.

GREENVILLE COLLEGE

GREENVILLE, ILLINOIS 62246

Telephone: (618) 664-1840.

Founded 1892.

President: Dr. W. RICHARD STEPHENS.
Vice-President for Academic Affairs and Dean of Faculty: Dr. RICHARD L. HOLEMON.
Director of Admissions: NORMAN D. SWANSON.

The library contains 91,751 vols.

Number of teachers: 75 full-time.
Number of students: 900.

Publication: *Record* (quarterly).

ILLINOIS BENEDICTINE COLLEGE

LISLE, ILLINOIS 60532

Telephone: (312) 968-7270.

Founded 1887 as St. Procopius College.

President: Dr. RICHARD C. BECKER.
Executive Vice-President: THOMAS J. DYBA.
Director of Admissions: THOMAS RICH.
Director of Library Services: B. THOMPSON.

The library contains 94,800 vols.

Number of teachers: 87.
Number of students: 1,505.

Publications: *Illinois Benedictine Magazine*† (quarterly), *Alumni Bulletin*† (quarterly), *President's Annual Report*†.

ILLINOIS COLLEGE

JACKSONVILLE, ILLINOIS 62650

Telephone: (217) 245-7126.

Founded 1829.

President: DONALD C. MUNDINGER.
Director of Admissions: JAMES M. DOWNER.
Librarian: R. L. PRATT.

The library contains 80,000 vols.

Number of teachers: 49.
Number of students: 850.

ILLINOIS INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS 60616

Formed 1940 by consolidation of Armour Institute of Technology (founded 1892), Lewis Institute (founded 1896).

President: T. L. MARTIN, Jr., PH.D.
Vice-President and Provost: S. A. GURALNICK, PH.D.
Vice-President for Finance: G. FENNER, M.B.A.
Vice-President for Business: M. T. TRACHT, A.B.
Vice-President of Development and Planning: M. W. BATES, B.S.
Dean of Students: JAMES W. VICE, M.A.
Admissions: NATHANIEL THOMAS, B.S.
Librarian: W. S. BUDINGTON, M.S.

The libraries contain 1,338,000 vols.

Number of teachers: 291 full-time, 374 part-time, total 665.
Number of students: 6,325.

Publications: bulletins, research publications.

DEANS:

College of Architecture, Planning and Design: JAMES I. FREED, B.ARCH.
Armour College of Engineering: P. CHIARULLI, PH.D.
Lewis College of Sciences and Letters: R. FILLER, PH.D.
Chicago-Kent College of Law of I.I.T.: L. M. COLLENS, J.D.
Harold Leonard Stuart School of Management and Finance: D. E. GARNER, D.B.A. (acting).
Director Evening Division: J. T. DYGDON, M.B.A.
Director of Campus Life: L. W. BROWN, Jr., M.S.

AFFILIATED INSTITUTE:

IIT Research Institute: f. 1936.
Institute of Gas Technology: f. 1941.

ILLINOIS STATE UNIVERSITY

NORMAL, ILLINOIS 61761

Founded 1857.

President: LLOYD I. WATKINS.
Vice-President and Provost: JAMES M. HORNER.
Director of Admissions: WILBUR VENERABLE.
Director of Libraries: J. W. KRAUS.

Number of teachers: 1,317.
Number of students: 19,039.

DEANS:

Undergraduate School: S. RIVES.
Graduate School: C. A. WHITE.
College of Applied Science and Technology: JACK E. RAZOR.
College of Arts and Sciences: C. EDWARD STREETER.
College of Business: FRANK HARRISON.
College of Education: ROBERT A. BURNHAM.
College of Fine Arts: C. BOLEN.
College of Continuing Education and Public Service: HAROLD CROUSE.

ILLINOIS WESLEYAN UNIVERSITY

BLOOMINGTON, ILLINOIS 61701

Chartered 1853.

President: ROBERT S. ECKLEY, PH.D.
Dean: WENDEL W. HESS, PH.D.
Business Manager: P. W. KASCH, B.S.
Director of Admissions: J. R. RUOTI.
Registrar: J. R. BARBOUR.
Librarian: C. D. HIGHUM.

Number of teachers: 125.
Number of students: 1,679.

Publication: *Bulletin* (monthly).

DEANS:

Dean of Students: GLENN J. SWICHTENBERG, PH.D.

KNOX COLLEGE

GALESBURG, ILLINOIS 61401

Founded 1837.

President: E. INMAN FOX, PH.D.
Vice-President for Finance and Treasurer: JAMES W. STEVENS, M.B.A.
Dean of College and Vice-President for Academic Affairs: Dr. L. S. SALTER, M.A., D.PHIL.
Dean of Students: I. C. HARLAN, M.A.
Librarian: DOUGLAS L. WILSON, PH.D.

The library contains 154,000 vols.

Number of teachers: 85, including 30 professors.

Number of students: 1,150.

Publications: *Knox Bulletin*, *Catalog* and *Report* (financial statement), *Knox Alumnus* (quarterly), *Directory*, *Knox Idea* (viewbook).

LAKE FOREST COLLEGE

LAKE FOREST, ILLINOIS 60045

Founded 1857.

Four-year Liberal Arts College.

President: EUGENE HOTCHKISS III, PH.D.
Dean of the Faculty: BAILEY DONNALLY (acting).
Registrar: RUTHANE BOPP, M.A.
Business Manager: THEODORE CARLUS, M.B.A., C.P.A.
Dean of the College: DAVID M. BYERS, M.DIV.
Librarian: ARTHUR MILLER, Jr., PH.D.

Number of teachers: 83.
Number of students: 1,050.

Publications: *The Stentor*† (weekly), *Spectrum* (6 times a year), *Tusitala* (annually).

LEWIS UNIVERSITY

ROUTE 53,
LOCKPORT, ILLINOIS 60441

Telephone: (815) 838-0500.

Founded 1930.

President: Dr. PAUL A. WHELAN.
Vice-President for Academic Affairs: Dr. DAVID V. CURTIS.
Vice-President for Business and Finance: RAY KEIFER.
Registrar: ROBERT KEMPIAK.
Director of Libraries: SHERIDA DOWNER.

The library contains 100,750 vols.

Number of teachers: 700.
Number of students: 4,200.

Deans:

College of Continuing Education: Bro. Kenneth Gillund, f.s.c.
College of Arts and Sciences: Bro. Raphael Mascari, f.s.c.
College of Business: Dr. F. James Staszak.
College of Law: B. J. Tennery.
College of Nursing: Dr. Linda A. Simunek.

LOYOLA UNIVERSITY

CHICAGO, ILLINOIS 60611

Chartered as St. Ignatius College 1870; incorporated as Loyola University 1909.

President: Rev. Raymond C. Baumhart, s.j.
Chancellor: Rev. John H. Reinke.
Vice-President and Dean of Faculties: Dr. Richard A. Matre.
Vice-President for Student Services: Mariette LeBlanc.
Vice-President for Campus Ministry: Rev. J. Donald Hayes, s.j.
Vice-President for the Medical Center: Edward S. Jamieson.
Vice-President for Finance: Karl Zeisler.
Vice-President for Administration: John F. Langdon.
Vice-President for Development and Public Relations: W. D. Conroyd.
Vice-President for Personnel: William P. Walsh.
Director of Registration and Records: George F. Hostert.
Director of Libraries: Dr. Robert Ennen.

The library contains 712,435 vols.

Number of teachers: 1,800.
Number of students: 14,917.

Publications: *Mid-America, Dialogue, Cadence, Restoration and 18th Century Theatre Research, Loyola University Psychometric Laboratory Bulletin, Journal of the Loyola Historical Society, The Business Journal.*

Deans:

College of Arts and Sciences (Lake Shore, co-educational): Dr. Ronald E. Walker.
College of Arts and Sciences (Lewis Towers, co-educational): Rev. John E. Festle, s.j. (Associate Dean).
University College: Dr. H. R. Malecki.
School of Business Administration: Dr. Donald G. Meyer.
Graduate School: Dr. Francis J. Catania.
School of Law: Charles W. Murdock.
School of Medicine: Dr. J. A. Wells.
Jesuit School of Theology in Chicago: Rev. William J. Guindon, s.j.
School of Dentistry: Dr. Raffaele Suriano.
School of Social Work: Dr. Charles T. O'Reilly.
School of Education: Dr. John M. Wozniak.
School of Nursing: Dr. Julia Lane.
Niles College of Loyola University: Rev. William O. Goedert.
Graduate School of Business: Dr. Tassos G. Malliaris (Director).
Institute of Industrial Relations: Dr. A. J. Fredian (Director).
Institute of Pastoral Studies: Rev. Jerome O'Leary, o.p.
Parmly Hearing Institute: Dr. Terence R. Dolan (Director).
Erickson Institute of Early Education: Dr. Maria W. Piers.
Loyola Guidance Centre: Dr. Joseph C. Kaspar.
Rome Centre of Liberal Arts, Italy: Rev. Thomas L. Hogan.

MACMURRAY COLLEGE

JACKSONVILLE, ILLINOIS 62650
Founded 1846.

President: Dr. J. J. Wittich, ph.d.
Business Manager: Wolfgang Hertweck, m.p.s.
Dean: Andrew R. Eickhoff, ph.d.
Librarian: Victoria Hargrave, m.a.

The library contains 130,707 vols.

Number of teachers: 53, including 18 professors.

Number of students: 743.

Publications: *The Daily Other* (Student Newspaper), *Student Yearbook, Annual Catalog, MacMurray College News*†, *Journal of Natural and Social Science*†, *Montage.*

MILLIKIN UNIVERSITY

DECATUR, ILLINOIS 62522
Founded 1901.

President: Dr. J. Roger Miller.
Vice-President for Academic Affairs: Dr. Paul R. Givens.
Registrar: Dr. James R. G. Olson.
Vice-President for Student Affairs: Joseph H. Houston.
Director of the Library: Dr. Charles Hale.

Number of students: 1,530.

Publications: *Millikin University Alumni Bulletin* (quarterly), *Meet Millikin* (quarterly), *The Decaturian* (fortnightly).

Deans:

College of Arts and Sciences: Dr. Dennis Travis.
School of Music: Dr. Clayton Henderson.
School of Business and Industrial Management: Dr. Richard Decker.
School of Nursing: Dr. Mary Shanks.

MONMOUTH COLLEGE

700 EAST BROADWAY,
MONMOUTH, ILLINOIS 61462
Telephone: (309) 457-2311.
Founded 1853.

President: Dr. DeBow Freed.
Registrar: Dr. Milton L. Bowman.
Librarian: H. Hauge.

The library contains 150,000 vols.

Number of teachers: 70.
Number of students: 750.

MUNDELEIN COLLEGE

6363 SHERIDAN ROAD,
CHICAGO, ILLINOIS 60660
Telephone: (312) 262-8100.
Founded 1930.

President: Sister Susan Rink, b.v.m.
Registrar: Dr. Stuart A. Goldman.
Academic Dean: Sister Mary Patricia Haley, b.v.m.
Director of Learning Resources: E. Przybylski.

The library contains 117,250 vols.

Number of teachers: 135.
Number of students: 1,553.

NATIONAL COLLEGE OF EDUCATION

2840 SHERIDAN ROAD,
EVANSTON, ILLINOIS 60201
Telephone: (312) 256-5150.
Founded 1886.

President: Orley R. Herron.
Registrar: Betty L. Burns.
Dean of Undergraduate and Graduate Admissions: William P. Gowler.
Librarian: E. Arthur Stunard.

The library contains 115,000 vols.

Number of teachers: 94 full-time, 35 part-time.

Number of students: 4,635.

NORTH CENTRAL COLLEGE

30 N. BRAINARD,
NAPERVILLE, ILLINOIS 60540
Telephone: (312) 420-3400.
Founded 1861.

President: Gael D. Swing.
Director of Admissions: Ronald Guenther.
Librarian: Dr. G. C. Stewart.

The library contains 95,000 vols.

Number of teachers: 74.
Number of students: 1,086.

NORTH PARK COLLEGE AND THEOLOGICAL SEMINARY

5125 NORTH SPAULDING AVE.,
CHICAGO, ILLINOIS 60625
Telephone: (312) 583-2700.
Founded 1891.

President: Dr. Lloyd H. Ahlem.
Vice-President for Academic Affairs: Dr. Robert Sandin.
Director of Records: E. H. Ost.
Dean of Admissions: J. E. Lundeen.
Librarian: Miss Betty J. Highfield.

The library contains 141,000 vols.

Number of teachers: 84 full-time, 37 part-time.

Number of students: 1,122.

NORTHEASTERN ILLINOIS UNIVERSITY

BRYN MAWR AT ST. LOUIS AVE.,
CHICAGO, ILLINOIS 60625
Telephone: (312) 583-4050.
Founded 1961.

President: Dr. Ronald Williams.
Provost: John Cownie.
Vice-President for Administrative Affairs: W. H. Lienemann.
Vice-President for Student Affairs: Dr. Daniel C. Kielson.
Vice-President for Development and Public Affairs: Donn Bichsel.
Director for Admissions and Records: Eric Moch.
University Librarian and Director of Learning Services: Melvin George.

The library contains 333,316 vols.

Number of teachers: 430.

Number of students: 10,050.

Deans:

Graduate College: V. F. Malek.
College of Education: E. E. Scales.
College of Arts and Sciences: (vacant).

NORTHERN ILLINOIS UNIVERSITY

DeKALB, ILLINOIS 60115
Founded 1895.

President: Richard J. Nelson.
Assistant to President: J. B. Gardner.
Vice-President and Provost: William R. Monat.
Vice-President of Student Affairs: Harry J. Canon.
Vice-President, Business Affairs: R. J. Smith.
Director of Alumni: Stephen Clark.
Director of Development: Richard W. Ubl.
Director, University Libraries: C. C. Walton.

The library contains 822,956 vols. and 491,000 document items.

Number of students: 21,690 (3,896 Extension).

Deans:

Graduate School: Dr. James A. Rutledge.
College of Continuing Education: Dr. Clive C. Veri (acting).
College of Business: James D. Benson.
College of Education: James E. Heald.
College of Professional Studies: Barbara Seelye.
College of Visual and Performing Arts: R. W. Buggert.
College of Liberal Arts and Sciences: P. Burtness.

NORTHWESTERN UNIVERSITY

EVANSTON, ILLINOIS 60201
CHICAGO, ILLINOIS 60611
Telephone: (312) 492-3741.
Founded 1851.

Private control; Academic year: September to June.

President: Robert H. Strotz, ph.d.
Provost: Raymond W. Mack, ph.d.
Senior Vice-President for Business and Finance: Lee Ellis.
Vice-President and Business Manager: W. S. Kerr.
Vice-President for Research and Dean of Science: David Mintzer, ph.d.
Vice-President for Student Affairs: Jim G. Carleton, ph.d.
Vice-President for Development: John Fields, m.b.a.
Dean of Admissions and Financial Aid: W. I. Ihlanfeldt, ph.d.
Registrar: Donald G. Gwinn, ph.d.
Librarian: J. P. McGowan, m.a.

Library: *see* Libraries.

Number of teachers (full-time): 1,292.

Number of students (full-time): 11,509.

Publications: *Northwestern Report, The Bridge, Management Printout, Medical School Alumni Magazine, Northwestern Engineer* (quarterly), *Law Reporter, Journal of Criminal Law, Criminology and Political Science, Northwestern University Law Review* (bi-monthly), *Traffic Digest and Review* (monthly), *Tri-Quarterly* (3 times per year), *Renaissance Drama* (irregular).

Deans:

Graduate School: Clarence Ver Steeg, ph.d.
Dental School: N. Olsen, d.d.s., m.s.d.
Medical School: J. E. Eckenhoff, m.d.
Graduate School of Management: D. P. Jacobs, ph.d.
chool of Education: (vacant).
Medill School of Journalism: Ira W. Cole, m.s.
School of Law: David S. Ruder, j.d.
School of Music: T. Miller, mus.a.d., d.mus.
School of Speech: R. V. Wood, ph.d.
Technological Institute: B. A. Boley, sc.d.
Evening Division: Ellen Corley, ph.d.
College of Arts and Sciences: Rudolph H. Weingartner, ph.d.
Summer Session: Donald E. Collins, b.a.

Professors:

Aagaard, J. S., ph.d., Electrical Engineering
Abarbanel, H. D., ph.d., Physics
Abel, S., m.d., m.s., Obstetrics and Gynaecology
Abu-Lughod, I. A., ph.d., Political Science
Abu-Lughod, Janet, ph.d., Sociology
Achenbach, J. D., ph.d., Civil Engineering
Adams, J. R., m.d., Psychiatry
Alexander, C. T., m.s., Journalism (Editorial)
Alexis, M., ph.d., Economics
Alfano, J. E., m.d., Ophthalmology
Aliapoulios, A. A., d.mus., Music Education
Allred, A., ph.d., Chemistry
Ambuel, J. P., m.d., Paediatrics
Anderson, Lee F., ph.d., Political Science, Education
Annegars, J. H., ph.d., Physiology
Appel, A., ph.d., English
Arbit, J., ph.d., Neurology and Psychiatry
Atkinson, A. J., m.d., Pharmacology
Austin, D. G., ph.d., Mathematics
Bacon, W. A., ph.d., Speech
Bailyn, M. H., ph.d., Physics
Balachandran, V., ph.d., Managerial Economics (Management)
Baldwin, B. H., m.s., Journalism
Ball, S. C., m.a., Theatre
Bankoff, S. G., ph.d., Chemical Engineering
Bareiss, E. H., ph.d., Electrical Engineering
Baron, D. P., ph.d., Quantitative Methods (Management)
Barratt, M. G., ph.d., Mathematics
Basolo, F., ph.d., Chemistry
Battifora, H., m.d., Pathology
Bayly, M. A., m.d., Obstetrics and Gynaecology
Bazant, Z., ph.d., Civil Engineering
Beal, J., m.d., Surgery
Beam, R. E., ph.d., Electrical Engineering
Beauchamp, G. A., ph.d., Education
Becker, H. S., ph.d., Sociology
Beckstrom, J. H., j.d., l.l.m., Law
Bell, J. L., m.d., m.s., Surgery
Bellow, A., ph.d., Mathematics
Belytschko, T., ph.d., Civil Engineering
Bender, M. L., ph.d., Chemistry
Benfield, W., Music (Strings)
Benishay, H., ph.d., Business
Bennett, R. H., j.d., Law
Bergan, J. J., m.d., Surgery
Berlin, N. I., m.d., Medicine
Berry, D. S., ph.d., Civil Engineering
Berry, J., ph.d., Linguistics
Betts, H. B., m.d., Rehabilitative Medicine
Birchfield, G. E., ph.d., Engineering Sciences
Blanksten, G. I., ph.d., Political Science
Block, M. M., ph.d., Physics
Bluefarb, S. M., m.d., Dermatology
Boas, R. P., Jr., ph.d., Mathematics
Boggs, J. D., m.d., Pathology
Boley, B. A., sc.d., Civil Engineering
Bondareff, W., ph.d., m.d., Anatomy
Borden, C. W., m.d., Medicine
Bordwell, F. C., ph.d., Chemistry
Borges, W. H., m.d., Paediatrics
Bowers, N. D., ph.d., Education
Brandfonbrener, M., m.d., Medicine
Brazelton, W. T., ph.d., Chemical Engineering
Brechling, F. P., ph.d., Economics
Breckenridge, J. D., ph.d., Art and Art History
Breen, R. S., ph.d., Interpretation
Breen, T. H., ph.d., History
Breen, W. J., ph.d., Finance
Brickman, P. J., ph.d., Psychology
Brinsden, G. I., m.s.d., d.d.s., Crown and Bridge
Brittain, J. O., ph.d., Metallurgy
Brodwin, M. E., ph.d., Electrical Engineering
Brown, L. M., ph.d., Physics
Brown, M., m.d., ph.d., Neurology
Browning, J., b.s., Piano
Brunner, E. A., m.d., ph.d., Anaesthesia
Brutus, D., b.a., English
Bryan, J. H., ph.d., Psychology
Bulkley, G. J., m.d., Urology
Burmeister, C. A., ph.d., Music
Burnett, Allison L., ph.d., Biological Sciences
Burnham, J. W., m.f.a., Art
Burton, R. A., ph.d., Mechanical Engineering
Burwell, R. L., Jr., ph.d., Chemistry
Buscombe, W., ph.d., Astronomy and Physics
Butt, J. B., ph.d., Chemical Engineering
Calandra, J. C., m.d., ph.d., Pathology
Campbell, D. T., ph.d., Psychology
Canter, G. J., ph.d., Communicative Disorders
Caporaso, J. A., ph.d., Political Science
Carew, J., Afro-American Studies

Carlton, J. G., Ph.D., Social Science
Carone, F., M.D., Pathology
Carringer, W. E., B.S., Voice
Carrow, A., M.D., Obstetrics and Gynaecology
Casey, D. E., D.D.S., M.S., Oral Surgery
Cassell, F. H., B.S., Industrial Relations
Cedar, W. R., D.D.S., Operative Dentistry
Cember, H., Ph.D., Applied Mathematics and Civil Engineering
Chen, C., Sc.D., Biochemistry
Cheng, H. S., Ph.D., Mechanical Engineering
Chessick, R., Ph.D., M.D., Psychiatry
Childress, D. S., Ph.D., Orthopaedic Surgery
Church, R. L., Ph.D., Education
Cichowicz, V., Music (Winds and Percussion)
Cinlar, E., Ph.D., Industrial Engineering
Clewett, R. M., Ph.D. ,Marketing
Clignet, R. P., Ph.D.,Sociology
Coen, R. M., Ph.D., Economics
Cohen, G. M., B.S., Practice and Theory of Art
Cohen, J., Ph.D., Psychiatry
Cohen, J. B., Sc.D., Materials Science
Cohen, M. R., M.D., Obstetrics and Gynaecology
Cohen, R., Ph.D., Anthropology and Political Science
Cohen, W. C., Ph.D., Chemical Engineering
Cole, D., Ph.D., English
Cole, Ira W., M.S., Journalism
Collins, V., M.D., M.S., Anaesthesia
Compere, C., M.D., Orthopaedic Surgery
Condit, C., Ph.D., Art and Art History
Conn, J., Jr., M.D., Surgery
Cook, T. D., Ph.D., Psychology
Corcoran, J. W., Ph.D., Biochemistry
Cornell, R. W., D.D.S., Pedodontics
Couturier, J. J., B.S., Public Management
Crisafulli, F., Music (Winds and Percussion)
Crotty, W. J., Ph.D., Political Science
Cugell, D. W., M.D., Medicine
Curley, E. M., Ph.D., Philosophy
Dacey, M. F., Ph.D., Geography and Geology
Dallos, P. J., Ph.D., Audiology, Otolaryngology and Maxillofacial Surgery, Electrical Engineering
Dalton, G., Ph.D., Economics and Anthropology
Damato, A. A., J.D., Ph.D., Law
Danforth, D. N., M.D., Ph.D., Obstetrics and Gynaecology
Daniels, A. K., Ph.D., Sociology
Day, E., M.D., Medicine
Deboer, A., M.D., Surgery
Decoster, C. C., Ph.D., Spanish
Deford, D. D., Ph.D., Chemistry
DelBeccaro, E., M.D., Surgery
Del Greco, Francesco, M.D., Medicine
Demoz, A., Ph.D., Linguistics
Denavit, J., Ph.D., Mechanical Engineering
Derlacki, E. L., M.D., Oto-laryngology
de Schweinitz, K., Ph.D., Economics and Law
Devinatz, A., Ph.D., Mathematics
Didrickson, L., Music (Winds and Percussion)
Dolkart, R. E., M.D., Medicine
Doney, R. J., Ph.D., German
Douglas, W. W., Ph.D., English and Education
Dranoff, J. S., Ph.D., Chemical Engineering
Drebin, A. R., Ph.D., Accounting
Druzinsky, E., Strings (Music)
Duncan, C. P., Ph.D., Psychology
Duncan, R. B., Ph.D., Organization Behaviour (Management)
Dundurs, J., Ph.D., Civil Engineering
Dwass, M., Ph.D., Mathematics
Earle, D. P., M.D., Sc.D., Medicine
Earle, W. A., Ph.D., Philosophy
Eckenhoff, J. E., M.D., Anaesthesia
Edie, J. M., D.Sc., Philosophy
Eggen, D. T., Ph.D., Engineering Sciences
Eisenstein, R., M.D., Pathology
Eisner, R., Ph.D., Economics
Ekstedt, R., Ph.D., Microbiology
Elliott, L. L., Ph.D., Communicative Disorders
Ellis, D. E., Ph.D., Physics
Ellis, J. C., Ed.D., Radio and Television
Enright, R. G., D.Mus., Church Music
Enroth-Cugel, C., M.D., Electrical Engineering and Biological Sciences
Eovaldi, T. L., J.D., Law
Epperson, D. C., Ph.D., Education
Epstein, M., Ph.D., Electrical Engineering
Espenshade, E. B., Jr., Ph.D., Geography
Evans, F. B., Ph.D., Journalism-Advertising
Ewald, A. W. .Ph.D. , Physics
Farbman, A. I., M.D., Ph.D., Anatomy
Farrell, R. B., Ph.D., Political Science
Farwell, L. C., Ph.D., Finance
Feldman, A. S., Ph.D., Sociology
Fine, M. E., Ph.D., Metallurgy
Fiorelli, E., B.S., Violin
Fisher, H. B., Ph.D., Communicative Disorders
Fisher, W. D., Ph.D., Economics
Foster, J. B., D.D.S., Dental Hygiene, Community Medicine
Fountain, G., M.Mus., Organ and Church Music
Fox, R. T., M.D., Surgery
Fredrickson, G. M., Ph.D., History
Freeman, A. J., Ph.D., Physics
Freinkel, N., M.D., Medicine and Biochemistry
Freinkel, Ruth K., M.D., Dermatology
Friederici, H., M.D., Pathology
Friedman, A., Ph.D., Mathematics
Fryburger, V. R., Ph.D., Advertising and Marketing
Gardner, T. H., M.D., Paediatrics
Garrels, R. M., Ph.D., Geology
Garvin, J. P., Ph.D., M.D., Biochemistry
Gasper, G., Ph.D., Mathematics
Gay, R., M.S., Opera
Gemmell, R. S., Ph.D., Civil Engineering
Gerbie, A. B., M.D., Obstetrics and Gynaecology
Gesterland, R. C., Ph.D., Biological Sciences
Ghahremani, Z., M.D., Radiology
Gilbert, L. I., Ph.D., Biological Sciences
Givens, J. W., Jr., Ph.D., Mathematics
Gobbi, B., Sc.D., Physics
Goldberg, C., Ph.D., Electrical Engineering
Goldberg, E., Ph.D., Biology
Goldberg, S. B., J.D., Law
Gordon, I. A., J.D., Law
Gordon, R. J., Ph.D., Economics
Graessley, W. W., Ph.D., Chemical Engineering, Materials Science
Grau, A. A., Ph.D., Mathematics and Engineering Science
Grayhack, J. T., M.D., Urology
Greaves, D. C., M.D., Psychiatry
Green, D., M.D., Medicine
Green, O. C., M.D., Paediatrics
Greenbaum, S. I., Ph.D., Finance
Greener, E. H., Ph.D., Biological Materials
Gregg, W. H., Ed.D., Physical Education and Health
Gregory, H. H., Ph.D., Communicative Disorders
Griffin, L. M., Ph.D., Communication Studies
Griffith, B. H., M.D., Surgery
Groves, T. F., Ph.D., Decision Sciences (Management)
Guetzkow, H., Ph.D., Political Science, Psychology and Sociology
Gulbrandsen, N., M.M., Music (Voice)
Gurney, B. F., D.D.S., M.S.D., Endodontics
Gurr, T. R., Ph.D., Political Science
Gutmann, D. L., Ph.D., Psychiatry
Haddad, J. B., J.D., Law
Hagstrum, Jean H., Ph.D., English
Haiman, F. S., Ph.D., Communication Studies
Hainey, R. W., M.S.J., Editorial Journalism
Hakimi, S. L., Ph.D., Electrical Engineering
Hall, D. T., Ph.D., Organization Behaviour (Management)
Hall, J. W., Ph.D., Education and Psychology
Hanlon, C. R., M.D., Surgery
Hansell, N., M.D., Psychiatry
Haring, O. M., M.D., Medicine
Harris, S. C., Ph.D., Dental
Harter, D. H., M.D., Neurology
Hasegawa, J., M.D., Dermatology
Hast, M. H., Ph.D., Otolaryngology
Hayford, H. M., Ph.D., English
Hazard, W. R., J.D., Ph.D., Education
Hechter, O., Ph.D., Physiology
Heinz, J. P., J.D., Law
Heller, E., Ph.D., German
Hemke, F. L., M.A., Winds and Percussion
Henderson, K. M., B.A., Organization Behaviour (Management)
Heston, Lilla A., Ph.D., Interpretation
Heuer, M. A., D.D.S., M.S., Endodontics
Hill, Winfred F., Ph.D., Psychology
Hilliard, J. E., Ph.D., Materials Science
Hillman, J. J., S.J.D., Law
Hinderyckx, L., Ph.D., Theatre
Hines, J. R., M.D., M.S., Surgery
Hines, R. L., Ph.D., Physics
Hoffman, B. M., Ph.D., Chemistry
Hohf, R. P., M.D., M.S., Surgery
Holthusen, H. E., Ph.D., German
Horbal, B. J., D.D.S., Oral Surgery
Howard, B. B., Ph.D., Finance
Howard, K. I., Ph.D., Psychology
Hsu, F. L. K., Ph.D., Anthropology
Hudson, J. C., Ph.D., Geography
Hughes, E., M.S., M.D., Hospital and Health Services Management
Hughes, J. R. T., Ph.D., Economics
Hulbert, H. M., Ph.D., Chemical Engineering
Hung, P. P., Ph.D., Biochemistry
Hurter, A. P., Ph.D., Industrial Engineering
Hussey, A. S., Ph.D., Chemistry
Ibers, J. A., Ph.D., Chemistry
Idriss, F. S., M.D., Surgery
Ingall, D., M.D., Paediatrics
Ionescu-Tulcea, C., Ph.D., Mathematics
Jacob, H., Ph.D., Political Science
Jacobi, P. P., M.S., Journalism
Jacobs, D. P., Ph.D., Finance
Jacobs, J. E., Ph.D., Electrical Engineering
Janda, K. F., Ph.D., Political Science
Jerome, J. W., Ph.D., Engineering Sciences
Johnson, D. Lynn, Ph.D., Material Science Engineering
Johnson, Doris J., Ph.D., Communicative Disorders
Johnson, R. J., Ph.D., Organization Behaviour
Joravsky, D., Ph.D., History
Jungman, R. A., Biochemistry
Juris, H. A., Ph.D., Policy and Environment (Management)
Kamien, M. I., Ph.D., Quantitative Methods
Kane, W. J., M.D., Orthopaedic Surgery
Kannewurf, C. R., Ph.D. Electrical Engineering
Kaplan, H., M.A., English

KARLINS, M. W., PH.D., Music Theory and Composition
KARP, T. C., PH.D., Music History and Literature
KARTMAN, M. H., D.M., Music (Strings)
KAUFFMAN, J. W., PH.D., Materials Science
KEER, L. M., PH.D., Civil Engineering
KEETH, L., M.D., Obstetrics and Gynaecology
KENT, G., M.D., M.S., Pathology
KERNAHAN, D. A., M.D., Surgery
KESSLER, R. H., M.D., Medicine
KETTERSON, J. B., M.D., Physics
KILLOP, T., M.D., Medicine
KING, L. C., PH.D., Chemistry
KING, L. R., M.D., Urology
KING, R. C., PH.D., Biological Sciences
KIRBY, V. N., A.B., LL.B., Law
KISTLER, A. L., PH.D., Mechanical Engineering
KLIPHARDT, R. A., M.S., Engineering Sciences
KLOTZ, I. M., PH.D., Biochemistry
KOENIG, H., PH.D., M.D., Neurology
KOENIGSKNECHT, R. A., PH.D., Communicative Disorders
KOTLER, P., PH.D., Marketing
KOVITZ, A. A., PH.D., Mechanical Engineering
KRAMER, C. H., M.D., Psychiatry
KRIZEK, R. J. PH.D., Civil Engineering
KRULEE, G. K., PH.D., Computer Sciences and Linguistics
KUJALA, W. E., M.M., Music (Winds and Percussion)
KWAAN, H. C., M.D., Medicine
LAMBERT, J. B., PH.D., Chemistry
LANE, ARDELLE C., PH.D., Physiology
LANE, DOROTHY L., Music (Piano)
LARMON, W. A., M.D., Orthopaedic Surgery
LAURENCELLE, P., PH.D., Community Medicine
LAUTENSCHLAUGER, E. P., PH.D., M.D., Biological Materials
LAVENGOOD, L. G., PH.D., Policy and Environment
LEDYARD, J. D., PH.D., Economics
LEE, LAURA L., M.A., Communicative Disorders
LEE, MARGARET B., ED.D., Education
LEOPOLD, R. W., PH.D., History
LERMAN, A., PH.D., Geological Sciences
LERNER, E. M., PH.D., Finance
LERNER, R. E., PH.D., History
LESCH, M., M.D., Medicine
LESLIE, J., SC.D., Mathematics
LETSINGER, R. L., PH.D., Chemistry
LEVY, S. J., PH.D., Marketing
LEWIS, E. E., PH.D., Engineering Sciences
LEWIS, M. B., PH.D., Mechanical Engineering
LIDDELL, L., J.D., Law
LINDBERG, H., M.D., Medicine
LINDE, H. W., PH.D., Anaesthesia
LINEBERRY, R. L., PH.D., Political Science
LIPPINCOTT, J. A., PH.D., Biological Sciences
LIU LIU, PH.D., Physics
LOACH, P. A., PH.D., Biochemistry
LORAND, L., PH.D., Chemistry
LUMB, G. D. M.D., Pathology
McELIN, T. W., M.D., Obstetrics and Gynaecology
MACHOL, R. E., PH.D., Managerial Economics and Decision Sciences
MACK. R., PH.D., Sociology
MACKENZIE, F. T., PH.D., Geological Sciences
McKNIGHT, J. L., Communication Studies
McNICHOLS, T. J., PH.D., Business Administration
MAGAD, S., B.A., Music (Strings)
MAH, R. S., PH.D., Chemical Engineering
MAHOWALD, M., PH.D., Mathematics
MALONEY, M. J., PH.D., Radio and Television
MARCELLUS, R., Clarinet
MARCUS, J. A., PH.D., Physics
MARCUS, M. B., PH.D., Mathematics
MARGOLIASH, E., M.D., M.S., Biochemistry
MARSHALL, J. A., PH.D., Chemistry
MARTIN, J. B., Journalism-Editorial
MARTIN, R. M., PH.D., Philosophy
MASOTTI, L. H., PH.D., Political Science and Urban Affairs
MATHIS, B. C., Education and Psychology
MATKOWSKY, B. J., PH.D., Engineering Sciences
MATLIS, E., PH.D., Mathematics
MAYO, R. D., PH.D., English
MEHN, W. H., M.D., Surgery
MENGES, R. J., ED.D., Education
MESHII, MESAHIRO, PH.D., Metallurgy and Materials Science
METHOD, H., M.D., Surgery
MILLER, A. J., Medicine
MILLER, C. H., D.D.S., Operative Dentistry
MILLER, D. H., PH.D., Physics
MILLER, D. H., M.D., Psychiatry
MILLER, T. W., D.M., Music
MILLICHAP, G. J., M.D., Neurology
MINTZER, D., PH.D., Mechanical Engineering
MITTMAN, B., M.S., Electrical Engineering and Management Sciences
MOAG, J. S., PH.D., Organization Behaviour (Management)
MOCKROS, L. F., PH.D., Civil Engineering
MOLTENI, A., M.D., Pathology
MOMBAERTS, G. M., Music (Piano)
MONTER, E. W., Jr., PH.D., History
MORTENSEN, D. T., PH.D., Economics
MOSES, L. N., PH.D., Transportation Center, Economics
MOSKOS, C., PH.D., Sociology
MOSSE, B. P., M.S.J., Journalism-Editorial
MUELLER, M., PH.D., Comparative Literature
MUENZER, E. C., Music (Strings)
MURA, T., PH.D., Civil Engineering
MURPHY, G. J., PH.D., Electrical Engineering
MUSTER, A. J., M.D., Paediatrics
NADLER, H. L., M.D., Paediatrics
NARAHASHI, T., PH.D., Pharmacology
NEBEL, H. M., PH.D., Slavic Languages
NEMAT-NASSER, S., PH.D., Civil Engineering
NEMMERS, E. E., PH.D., DH.D., Business Administration
NERLOVE, M., PH.D., Economics
NETSCH, DAWN C., J.D., Law
NEUHAUS, F. C., PH.D., Biochemistry
NEWTON, M., M.D., Obstetrics and Gynaecology
NEWTON, N., PH.D., Psychiatry
NOBLES, L., PH.D., Geology
NOLL, L., PH.D., Biochemistry
NOVALES, R. R., PH.D., Biological Sciences
OAKES, R. J., PH.D., Physics
O'CONOR, V. J., M.D., Urology
OFFNER, F. F., PH.D., Electrical Engineering
OKITA, G. T., PH.D., Pharmacology
OLANDER, G. A., M.D., Surgery
OLMSTEAD, W. F., PH.D., Engineering Sciences
OLSEN, N. H., D.D.S., M.S.D., Dental-Pedodontics
OSTERBERG, J. O., PH.D., Civil Engineering
PADEN, J. N., PH.D., Political Science
PARK, J., PH.D., Education
PARMELEE, R. A., PH.D., Civil Engineering
PARSONS, P. A., PH.D., Music Theory and Composition
PASCHKE, E. F., M.F.A., Art Theory and Practice
PATERSON, P. Y., M.D., Microbiology
PATTERSON, R., M.D., Medicine
PAUL, M. H., M.D., Paediatrics
PAULY, M. V., PH.D., Economics
PAYNTER, J., M.MUS., Music (Conducting-Performing Organizations)
PEARSE, W. H., M.D., Obstetrics and Gynaecology
PERNECKY, J. M., PH.D., Music Education
PERRY, E., PH.D., History and Literature of Religions
PERRY, H. T., D.D.S., M.S., Orthodontics
PETERSON, E. L., PH.D., Industrial Engineering
PETERSON, G. L., PH.D., Civil Engineering
PETERSON, H. C., D.D.S., Operative Dentistry
PHAIR, J., M.D., Medicine
PIERSKALLA, W. P., PH.D., Industrial Engineering
PINSKY, M. A., PH.D., Mathematics
PLONUS, M. A., PH.D., Electrical Engineering
POLLOCK, G. H., M.D., Psychiatry
PONT, J., M.S., Athletics
POWERS, D., M.MUS., Violoncello
PRINCE, T. R., PH.D., Accounting
PRUZANSKY, J. J., PH.D., Microbiology
PULLMAN, T., M.D., Medicine
QUINN, J. L., M.D., Radiology
QUON, J. E., PH.D., Civil Engineering
RADNOR, M., PH.D., Organization Behavior (Management)
RAFFENSPERGER, J., M.D., Surgery
RAFFERTY, NANCY S., PH.D., Anatomy
RAHL, J. R., J.D., Law
RAIMONDI, A. J., M.D., Surgery
RAPPAPORT, A., PH.D., Accounting
RATH, G. J., PH.D., Industrial Engineering
REDDY, J., M.D., Pathology
REED, D. W., PH.D., Linguistics
REESE, H. B., B.A., LL.B., Law
REIN, I. J., PH.D., Communication Studies
REITER, S., PH.D., Managerial Economics (Management)
REKASIUS, ZENONAS V., PH.D., Electrical Engineering
REVSINE, L., PH.D., Accounting
ROBERTS, D. J., PH.D., Management-Decision Sciences
ROBINSON, P., PH.D., D.D.S., Periodontics
ROEBUCK, C. A., PH.D., Classics
ROENIGK, H. H., M.D., Dermatology
ROGERS, L. F., M.D., Radiology
ROLOFF, L. H., PH.D., Interpretation
ROSEN, J. L., PH.D., Physics
ROSEN, M. S., D.D.S., Cleft Palate
ROSENBLUM, V., J.D., PH.D., Law School
ROSENFELD, L. D., D.D.S., M.S.D., Dental-Periodontics
ROSENSTEIN, S. W., D.D.S., M.S., Orthodontics
ROSSI, E. C., M.D., Medicine
ROUTTENBERG, A., PH.D., Psychology
RUBENSTEIN, A. H., PH.D., Industrial Engineering
RUDER, D. S., B.A., LL.B., Law
RUDY, P., PH.D., Slavic Languages
RUGE, D. A., PH.D., M.D., Surgery
RUTHERFORD, D. R., PH.D., Speech Pathology
SAARI, D., PH.D., Mathematics
SACKS, J., PH.D., Mathematics
SADE, D. S., PH.D., Anthropology
SAFFORD, F. R., PH.D., History
SARTO, GLORIA E., M.D., Obstetrics and Gynaecology
SCANLON, E. F., M.D., Surgery
SCARPELLI, D. G., M.D., PH.D., Pathology
SCHERER, F. M., PH.D., Economics
SCHLUTER, R. A., PH.D., Physics
SCHMID, F. R., M.D., Medicine
SCHNAIBERG, A., PH.D., Sociology
SCHNEIDEMAN, R. I., PH.D., Dramatic Production
SCHOFER, J. L., PH.D., Civil Engineering
SCHULMAN, J. L., M.D., Paediatrics, Neurology and Psychiatry
SCHUYLER, D. M., J.D., Law

SCHWARTZ, L. H., PH.D., Materials Science
SCHWARTZ, N. L., PH.D., Managerial Economics (Management)
SCHWARTZ, NEENA B., PH.D., Biological Sciences
SCHWARTZ, S. O., M.D., M.S., Medicine
SCIARRA, J., PH.D., M.D., Obstetrics and Gynaecology
SEGEL, R. E., PH.D., Physics
SEKULER, R. W., PH.D., Psychology
SETH, K. K., PH.D., Physics
SHANLEY, J. L., PH.D., English
SHEEHAN, J. J., PH.D., History
SHEMIN, D., PH.D., Chemistry and Biological Sciences
SHERIDAN, J. E., PH.D., History
SHERRICK, J. C., M.D., Pathology
SHIELDS, T. W., M.D., Surgery
SHOCH, D. E., M.D., PH.D., Ophthalmology
SHRIVER, D. F., PH.D., Chemistry
SIEGERT, A. J. F., PH.D., Physics
SIMPSON, W. H., Music (Winds and Percussion)
SINGER, D. H.; M.D., Medicine
SINGWI, K. S., D.SC., Physics
SISSON, G. A., M.D., Oto-laryngology
SISSORS, J. Z., M.S.J., Journalism (Advertising)
SLADE, H. D., M.S., PH.D., Microbiology
SLATTERY, J. C., PH.D., Chemical Engineering
SLOSS, L. L., PH.D., Geology
SMITH, D. E., PH.D., Chemistry
SMITH, D. W. E., M.D., Pathology
SMITH, K., PH.D., Hospital and Health Administration
SMITH, L. B., PH.D., History
SOBRERO, A. J., M.D., Obstetrics and Gynaecology
SOMMERS, H. M., M.D., Pathology
SPALDING, F. O., J.D., Law
SPECTOR, N. B., PH.D., French
SPEED, R. C., Geology
SPEHLMANN, R., M.D., Neurology
SPRINGER, G., M.D., M.S., Microbiology
STAMLER, J., M.D., Community Medicine
STARR, W. T., PH.D., French
STEPHENS, F. D., M.D., Surgery
STERN, L. W., PH.D., Marketing
STERN, PAULA H., PH.D., Pharmacology
STEVENS, W. F., PH.D., Chemical Engineering
STEVENSON, G. F., M.D., Pathology
STIGUM, B. P., PH.D., Economics
STILES, L. J., ED.D., Education, Sociology and Political Science
STILL, R., Music (Winds and Percussion)
STIMSON, F., PH.D., Spanish
STOPHER, P. R., PH.D., Civil Engineering
STOUT, A. B., M.A., Music Theory and Literature
STROTZ, R. H., PH.D., Economics
STRUEVER, S. M., PH.D., Anthropology
STYAN, J. L., M.A., English
SWANSON, L. W., PH.D., Managerial Economics (Management)
TACHDJIAN, MIHRAN, M.D., Orthopaedic Surgery
TANKIN, R. S., D.SC., Mechanical Engineering
TAYLOR, R. L., D.D.S., M.S.D., Prosthetic Dentistry
THODOS, G., PH.D., Chemical Engineering
THOMPSON, C. W., PH.D., Industrial Engineering
THURMAN, ANNE E., M.A., Theatre
TIECKE, R. W., D.D.S., M.S., Dental Pathology
TILLMAN, T. W., PH.D., Audiology
TORCHIANA, D. T., PH.D., English
TOTMAN, C. D., PH.D., History
TRAISMAN, H. S., M.D., Paediatrics
TRIPPEL, O. H., M.D., Surgery
TUCKER, B. F., M.D., Otolaryngology
UNDERWOOD, B. J., PH.D., Psychology
VAN NESS, J. E., PH.D., Electrical Engineering
VEIS, A., PH.D., Biochemistry
VER STEEG, C. L., PH.D., History
VICTOR, E., ED.D., Education
VINCENT, C. J., D.D.S., Pedodontics
VISOTSKY, H. M., M.D., Psychiatry
VOGEL, Rabbi M., PH.D., History and Literature of Religions
WABER, J. T., PH.D., Materials Science
WALDSTEIN, S. S., M.D., Medicine
WALKER, J. A., PH.D., Mechanical Engineering
WALTON, J., PH.D., Sociology
WALTZ, J. R., B.A., LL.B., Law
WATSON, E. T. P., PH.D., Policy and Environment
WEBBER, E. J., PH.D., Spanish and Linguistics
WEBSTER, J. R., Jr., M.D., M.S., Medicine
WEERTMAN, J., D.SC., Materials Science and Geology
WEIL, I., PH.D., Slavic Languages
WEINGARTNER, R. H., PH.D., Philosophy
WELKER, N., PH.D., Biochemistry
WERNER, O., PH.D., Anthropology, Linguistics
WESSEL, HAN U., M.D., Paediatrics
WHANNEL, A. D., M.A., Radio-T.V.-Film
WHITE, HARVEY, M.D., Radiology
WHITING, C. G., PH.D., French, Italian
WHITMORE, D. H., Jr., PH.D., Materials Science
WHITTEN, E. H. T., PH.D., Geology
WICK, J. W., PH.D., Education
WIEBE, R. H., PH.D., History
WILBER, J. F., M.D., Medicine
WILKS, I. G., M.S., History
WILLIAMS, R. F., PH.D., Mathematics
WILSON, J., PH.D., Education
WINCH, R. F., PH.D., Sociology
WINTER, M. F., B.S., Athletics
WOLF, J., M.D., Surgery
WOLFSON, A., PH.D., Biological Sciences
WOO C.-W., PH.D., Physics
WOOD, J. H., PH.D., Finance
WOOD, R. V., PH.D. Speech Education
WRIGHT, J., PH.D., Classical Languages
WU, T. T., PH.D., Physics and Engineering Sciences
YAU, SIK-SANG, PH.D., Electrical Engineering
YUEN, MAN CHUEN, PH.D., Mechanical Engineering
ZELINSKY, D., PH.D., Mathematics
ZELLER, E. A., M.D., PH.D., Biochemistry
ZINTEL, H. A., M.D., PH.D., Surgery

OLIVET NAZARENE COLLEGE

P.O.B. 592, KANKAKEE,
ILLINOIS 60901

Telephone: (815) 939-5011.

Founded 1907.

President: LESLIE PARROTT, PH.D.
Registrar: JIM KNIGHT, M.S.
Dean of Admissions: N. MOORE.
Librarian: A. WIENS, M.S.

The library contains 100,000 volumes.

Number of teachers: 100.
Number of students: 1,800.

PRINCIPIA COLLEGE

ELSAH, ILLINOIS 62028

Telephone: (618) 374-2131.

Founded 1910.

President: DAVID K. ANDREWS, M.A., ED.D.
Dean: K. S. JOHNSTON, M.B.A., PH.D.
Dean of the Faculty: THOMAS J. QUIRK, M.A., PH.D.
Registrar: D. NARTONIS, M.S., PH.D.
Director of Admissions: JANE MARTIN, B.S.
Librarian: (vacant).

The library contains 125,000 vols.

Number of teachers: 79.
Number of students: 876.

QUINCY COLLEGE

1831 COLLEGE AVENUE,
QUINCY, ILLINOIS 62301

Telephone: (217) 222-8020.

Founded 1859; Chartered in 1873.

President: Rev. GABRIEL BRINKMAN, O.F.M.
Registrar: G. CARTER.
Dean of Admissions: R. SMITH.
Academic Dean: K. CONROY.
Dean of Students: J. CERNECH.
Business Manager: T. MILLER.
Librarian: Rev. V. KINGERY, O.F.M.

The library contains 180,000 vols.

Number of teachers: 143.
Number of students: 1,535.

ROCKFORD COLLEGE

5050 EAST STATE ST.,
ROCKFORD, ILLINOIS 61101

Co-educational college founded 1847.

President: JOHN D. SPENCE, B.A. (acting).
Vice-President for Development: V. L. PETERSON, A.B.
Vice-President and Dean of the College: G. E. WESNER, PH.D.
Director of Admissions: MARTHA BEAL, B.A.
Librarian: J. T. MICHNA, M.S.

The library contains 100,000 vols.

Number of teachers: 53, including 14 professors.

Number of students: 318 women, 268 men, total 586.

Publications: *Bulletin*†, *Information Pamphlet*, *Widening Horizons*.

ROOSEVELT UNIVERSITY

430 SOUTH MICHIGAN AVENUE,
CHICAGO, ILLINOIS 60605

Telephone: 341-3500.

Founded 1945.

President: ROLF A. WEIL, PH.D.
Controller: H. BLAND, C.P.A.
Registrar: D. E. STEERE, M.S.
Librarian: A. JONES, M.A.

The library contains 310,000 vols.

Number of teachers: 456 (184 full-time and 272 part-time).

Number of students: 7,000.

Publications: *Business and Society*, *Annual Catalogs*, *Roosevelt University Magazine*.

Deans:

Faculties: Milton Greenberg, ph.d.
Graduate Division: Dominic Martia, ph.d.
College of Arts and Science: Dominic Martia, ph.d. (acting).
College of Business Administration: Douglas F. Lamont, ph.d.
Chicago Musical College: F. Ganz, ph.d.
College of Continuing Education: Lee Porter, ed.d.
College of Education: R. Koff, ph.d.
Students: L. Silverman, d.b.a.

ROSARY COLLEGE

RIVER FOREST, ILLINOIS 60305

Founded 1901.

President: Sister Candida Lund.
Academic Dean: Norman Carroll.
Dean of Students: John Ballheim.
Registrar: Sister Marilyn Gerken.
Vice-President for Business Affairs: John P. Brady.
Director of Publicity: Russell Marabito.
Director of Development: Sister Virginia Turner.
Dean of Graduate School of Library Science: Sister Lauretta McCusker.
Librarian: Sister Mary Field.

The library contains 214,000 vols.

Number of teachers: 110.
Number of students: 1,566.

SAINT XAVIER COLLEGE

3700 WEST 103RD ST.,
CHICAGO, ILLINOIS 60655

Telephone: 779-3300.

Founded 1847.

President: Sister M. Irenaeus Chekouras.
Director of Admissions: Robert J. Fitzpatrick.
Librarian: Christopher Millson-Martula.

The library contains 67,000 vols.

Number of teachers: 108.
Number of students: 1,623.

SCHOOLS OF THE ART INSTITUTE OF CHICAGO

COLUMBUS DRIVE AND
JACKSON BOULEVARD,
CHICAGO, ILLINOIS 60603

Telephone: (312) 443-3700.

President: E. Laurence Chalmers.
Director of School: Donald J. Irving.

SCHOOL OF ART

Founded 1866.

Dean: Roger Gilmore.

Number of teachers: 125.
Number of students: 1,517.

SHIMER COLLEGE

MOUNT CARROLL,
ILLINOIS 61053

Telephone: (815) 244-2811.

Founded 1853.

President: Ralph W. Conant.
Dean of the College: Richard W. Beeson.
Librarian: Marguerite P. McBride.

The library contains 31,000 vols.
Number of teachers: 26.
Number of students: 193.

SOUTHERN ILLINOIS UNIVERSITY —CARBONDALE

CARBONDALE, ILLINOIS 62901

Telephone: (618) 453-2121.

Founded 1869; State control.

President: Warren W. Brandt, ph.d.
Director of Admissions: B. K. Browning, ph.d.

The library contains 1,700,000 vols.
Number of students: 22,537.
Publication: *The Daily Egyptian.*

Deans:

Graduate School: John Guyon, ph.d.
College of Education: E. J. Clark, ph.d
College of Liberal Arts: L. Shelby, ph.d.
College of Science: Norman J. Doorenbos, ph.d.
School of Agriculture: G. H. Kroening, ph.d.
School of Business and Administration: John Darling, ph.d.
College of Communications and Fine Arts: C. B. Hunt, ph.d.
School of Technical Careers: A. L. Pratt, ed.d.
College of Human Resources: Seymour Bryson, ph.d. (acting).
School of Engineering and Technology: Phillip David, ph.d. (acting).
School of Law: H. H. Lesar, j.s.d.
Student Life: Harvey Welch, Jr., m.s.ed.
School of Medicine: R. H. Moy, m.d.
Library Affairs: Kenneth Peterson, ph.d.
General Academic Programmes: Clifford Harper, ph.d.
Continuing Education: Robert Ratcliffe, ph.d.

SOUTHERN ILLINOIS UNIVERSITY —EDWARDSVILLE

EDWARDSVILLE, ILLINOIS 62026

Telephone: (618) 692-2475.

Founded 1957; State control.

President: Kenneth A. Shaw.
Vice-President and Provost: Earl E. Lazerson.
Vice-President for Student Affairs: Charles E. Stikes.
Vice-President for Business Affairs: Ria C. Frijters.

The library contains 660,000 vols.
Number of students: 11,162.

Publications: *Papers on Language and Literature*†, *Sou'Western.*

Deans:

School of Business: D. J. Werner, ph.d.
School of Education: F. Donald Carver, ph.d.
School of Fine Arts and Communications: H. L. White, ph.d.
School of Humanities: Carol A. Keene, ph.d.
School of Science and Technology: Thomas P. Anderson.
School of Social Science: A. J. McCurry, ph.d.
Dean of Students: Warren Brown, ed.d.
School of Dental Medicine: Henry M. Cherrick.
General Studies Division: Viola K. Daugherty (acting Dir.).
Graduate School: Vaughnie Lindsay, ph.d.
School of Nursing: P. R. Forni, ph.d.
Lovejoy Library: John C. Abbott, ph.d. (Director).

THE UNIVERSITY OF CHICAGO

5801 ELLIS AVE.,
CHICAGO, ILLINOIS 60637

Telephone: 753-1234.

Incorporated in 1857 as the first University of Chicago, and in 1890 as the University of Chicago (at the present site).

President: Hanna H. Gray, ph.d.
Vice-President for Business and Finance: Jean Allard.
Vice-President and Dean of Faculties: D. Gale Johnson.
Vice-President for Academic Resources: Chauncy D. Harris.
Vice-President for Community Affairs: Jonathan Kleinbard.
Vice-President for Public Affairs: D. J. R. Bruckner.
Vice-President and Dean of Students: C. D. O'Connell.
Vice-President and Comptroller: H. E. Bell.
Treasurer: Mary Petrie.
Registrar: A. M. Hayes.

Library: *see* Libraries.

Number of teachers: 1,120.
Number of students: 9,480.

Deans:

The College: C. E. Oxnard.
School of Business: R. N. Rosett.
Divinity School: J. M. Kitagawa.
Graduate Library School: H. W. Winger.
Law School: N. Morris.
School of Medicine: D. C. Tosteson.
School of Social Service Administration: H. A. Richman.
Graduate School of Education: P. W. Jackson.
Students: C. D. O'Connell.
Biological Sciences: D. C. Tosteson.

Humanities: K. J. Weintraub.
Physical Sciences: A. V. Crewe.
Social Sciences: W. H. Kruskal.

Directors of Divisions:

Oriental Institute: J. A. Brinkman.
University Press, Publications Department: M. Philipson.
University Libraries: S. McElderry.

UNIVERSITY OF ILLINOIS

URBANA, ILLINOIS 61801

Telephone: (217) 333-1000.

Chartered 1867.

State control.

President: John E. Corbally, ph.d., ll.d.

Vice-President for Administration: R. W. Brady, ph.d.

Vice-President for Academic Affairs: Peter E. Yankwich, ph.d.

Library: *see* Libraries.

Number of teachers: 7,463 (full-time).

Number of students: 59,233.

Urbana-Champaign Campus

Urbana, Illinois 61801

Telephone: (217) 333-1000.

Chancellor: W. P. Geberding, ph.d.
Vice-Chancellor for Academic Affairs: M. W. Weir.
Vice-Chancellor for Administrative Affairs: D. F. Wendel.
Vice-Chancellor for Campus Affairs: S. R. Levy (acting).
Vice-Chancellor for Research: E. L. Goldwasser.
Director of Admission and Records: J. W. Loeb.
Librarian: H. C. Atkinson.

Deans:

College of Liberal Arts and Sciences: R. W. Rogers, ph.d.
College of Commerce and Business Administration: V. K. Zimmermann, ph.d., c.p.a.
College of Engineering: D. C. Drucker, ph.d.
College of Agriculture: O. G. Bentley, ph.d.
College of Education: J. M. Atkin, ph.d.
College of Fine and Applied Arts: J. H. McKenzie, m.a.
College of Law: J. E. Cribbet, j.d.
College of Communications: T. B. Peterson, Jr., ph.d.
College of Applied Life Studies: K. S. Clarke, ph.d.
Jane Addams Graduate School of Social Work: D. Brieland, ph.d. (Director).
Graduate College: E. L. Goldwasser, ph.d.
College of Veterinary Medicine: R. E. Dierks, ph.d., d.v.h.
School of Basic Medical Sciences: D. K. Bloomfield, m.d.
Graduate School of Library Science: R. G. Clark (acting Director).
Office of Continuing Education and Public Service: D. A. Dahl, ed.d. (Director).
Institute for Environmental Studies: B. B. Ewing, ph.d. (Director).
Institute of Aviation: R. E. Flexman, m.a. (Director).
Institute of Labor and Industrial Relations: M. Rothbaum, ph.d. (Director).

Professors:

College of Agriculture:

Agricultural Administration:

Evans, J. F., Agricultural Communications

Agricultural Economics:

Baker, C. B.
Bock, C. A.
Brinegar, G. K.
Broadbent, E. E., Livestock Marketing
Brooks, B. L.
Claar, J. B.
Dovring, F., Land Economics
Due, Jean M.
England, G. M., Food Marketing
Erickson, D. E., Farm Management Extension
Fettig, L. P.
Fliegel, F. C., Rural Sociology
Gruebele, J. W., Dairy Marketing
Guither, H. D., Agricultural Policy
Halcrow, H. G.
Herbst, J. H., Farm Management
Hieronymus, T. A., Grain Marketing
Hill, L. D., Agricultural Marketing
Hinton, R. A., Farm Management
Judge, G. G.
Kesler, R. P., Farm Management
Krausz, N. G. P., Agricultural Law
Mueller, A. G., Farm Management
Padberg, D. I.
Reiss, F. J., Farm Management and Land Economics Extension
Robinson, J. W., Jr., Rural Economy
Roush, J. R.
Schmidt, S. C., Agricultural Marketing and Policy
Schweitzer, H. J.
Scott, J. T., Farm Management and Production Economics
Seitz, W. D.
Sims, F. M., Farm Management Extension
Smith, D. G.
Spitze, R. G.
Stice, L. F., Grain Marketing Extension
Swanson, E. R., Farm Management and Production Economics
Takayama, T.
Thompson, W. N., Farm Management and Policy
Van Arsdall, R. N., Farm Management
Van Es, J. C.
West, V. I., Price and Statistics
Wilken, D. F., Farm Management Extension
Williams, M. S.
Williams, S. W.

Agricultural Engineering:

Butler, B. J.
Curtis, J. O.
Day, D. L.
Drablos, C. J. W.
Espenschied, R. F.
Goering, C. E.
Hunt, D. L.
Jedele, D. G.
Jones, B. A.
Lembke, W. D.
Muehling, A.
Olver, E. F.
Rodda, E. D.
Shove, G. C.
Siemens, J. C.
Wakeland, H. L.
Yoerger, R. R.

Agricultural Entomology:

Kogan, M.
Luckmann, W. H.
Metcalf, R. L.
Moore, S.
Petty, H. B., Jr.
Waldbauer, G. P.

Agronomy:

Aldrich, S. R., Soil Fertility
Alexander, D. E., Plant Genetics
Beavers, A. H., Soil Mineralogy
Boyer, J. S., Crop Physiology
Brown, C. M., Plant Breeding
Burger, A. W.
Carmer, S. G., Biometry
Cooper, R. L., Plant Breeding
Dewet, J. M. J., Plant Cytogenics
Dudley, J. W., Plant Genetics
Fehrenbacher, J. B., Pedology
Gerdemann, J. W., Plant Pathology
Graffis, D. W., Forage Crop Extension
Hadley, H. H., Plant Genetics
Hageman, R. H., Plant Genetics
Hanson, J. B., Plant Physiology
Harlan, J. R., Plant Genetics
Hinesly, T. D., Soil Ecology
Hittle, Carl N., Plant Breeding
Hooker, A. L., Plant Genetics
Howell, R. W.
Hymowitz, T., Plant Genetics
Jackobs, J. A., Crop Production
Jones, R. L., Soil Mineralogy and Ecology
Knake, E. L., Weed Extension
Koeppe, D. E., Plant Physiology
Kurtz, L. T., Soil Fertility
Lambert, R. J., Plant Genetics
Laughnan, J. R., Plant Genetics
McGlamery, M.D.
McKibben, G. E.
Melsted, S. W., Soil Chemistry
Miller, D. A., Plant Breeding
Peck, T. R., Soil Chemistry
Scott, W. O., Crop Extension
Seif, R. D., Biometry
Slife, F. W., Crop Production
Stevenson, F. J., Soil Chemistry
Thorne, M. D.
Walker, W. M., Biometry and Data Processing
Welch, L. F.
Widholm, J. M., Plant Physiology

Animal Science:

Baker, D. H.
Banks, E. M.
Becker, D. E.
Bentley, O. G.
Bray, D. J.
Corbin, J. E.
Dziuk, P. J.
Forbes, R. M., Nutritional Biochemistry
Garrigus, U. S.
Harrison, P. C.
Hinds, F. C.
Jensen, A. H., Animal Nutrition
Johnson, H. S., Poultry Extension
Minish, G. L.
Mistry, S. P., Biochemistry
Norton, H. W., Statistical Design and Analysis
Rasmusen, B. A., Animal Genetics
Ricketts, G. E.
Ridlen, S. F., Poultry Extension

County Agricultural Extension:

Christenson, G., Co-operative Extension
Petty, H. B., Jr., Co-operative Extension

Dairy Science:

Bryant, M. P., Microbiology
Campbell, J. R., Dairy Husbandry
Davis, C. L., Nutrition
Fryman, L. R., Extension
Harshbarger, K. E., Nutrition
Hays, R. L., Physiology
Larson, B. L., Biological Chemistry
Lodge, J. R., Physiology
Salisbury, G. W.

Family and Consumer Economics:

Dunsing, M. M.

Food Science:

Haskell, B. E., Nutrition
Kummerow, F. A., Food Chemistry
Nishida, T.
Ordal, Z. J., Microbiology
Perkins, E. G.
Rodda, E. D.
Siedler, A. J.
Steinberg, M. P., Food Engineering
Tobias, J., Dairy Technology
Visek, W. J.
Wei, L. S.
Whitney, R. McL., Food Chemistry
Witter, L. D., Food Microbiology

Foods and Nutrition:

Haskell, B. E.

Forestry:

Bazzaz, F.
Gerdemann, J. W., Plant Pathology
Gilmore, A. R.
Holland, I. I., Forestry Economics
Koeppe, D. E.
Percival, D. H., Research, Wood Technology and Utilization
Walters, C. S., Wood Technology and Utilization

Human Development and Family Ecology:

Mills, Queenie B., Child Development
Smith, R. B.

Horticulture:

Carbonneau, M. C., Floriculture Extension
Courter, J. W.
Culbert, J. R., Floriculture
Dayton, D. F., Plant Breeding
Devos, F.
Dickinson, D. B., Jr., Plant Physiology
George, W. L., Jr.
Hopen, H. J.
Jaycox, E. R., Apiculture
Mowry, J. B.
Nelson, W. R., Jr.
Rebeiz, C. A., Plant Physiology
Simons, R. K., Pomology
Splittstoesser, W. E., Plant Physiology
Titus, J. S., Pomology

Plant Pathology:

Ford, R. E.
Gerdemann, J. W.
Gottlieb, D.
Hooker, A. L.
Shaw, P. D., Biochemistry
Shurtleff, M. C.
Sinclair, J. B.

Veterinary Programs in Agriculture:

Buck, W. B.
Fitzgerald, P. R. ,Veterinary Research
Hanson, L. E., Veterinary Research
Jackson, G. L.
Levine, N. D., Veterinary Research
Mansfield, M. E.
McQueen, R. O.
Pickard, J. R.
Ristic, M.
Segre, D.
Simon, J., Pathology and Hygiene
Wagner, W. C.
Woods, G. T., Veterinary Research

Vocational Agriculture:

Espenshied, R. F.
Herbst, J. H.

College of Commerce and Business Administration:

Accountancy:

Bedford, N. M.
Brighton, G. D.
Fess, P. E.
Holzer, H. P.
Johnson, O. E.
McKeown, J. C.
Neumann, F. L.
Perry, K. W.
Schoenfeld, H. M.
Skadden, D. H.
Smith, C. H.
Thomas, W. E., Jr.
Zimmerman, V. K.

Business Administration:

Andreasen, A. R.
Bedford, N. M.
Dauten, P. M., Jr., Management
Evans, R. V.
Ferber, R.
Gardner, D. M., Marketing
Hill, R. M.
Linowes, D. F.
Pondy, L. R.
Primeaux, W. J., Jr.
Robinson, S. C.
Rowland, K. M.
Salancik, G. R.
Schoenfeld, H. M.
Sheth, J. N.
Simon, J. L.
Sudman, S.
Thomas, W. E., Jr.
Uhl, K. P.
Zanqwill, W. I.

Economics:

Baer, W.
Brandis, R.
Brems, H. J.
Due, J. F.
Ferber, R.
Flanders, D. P.
Frankel, M.
Gottheil, F. M.
Hartman, P. T.
Heins, A. J.
Hodgman, D. R.
Judge, G. G.
Kihlstrom, R. E.
McMahon, W. H.
Millar, J. R.
Mirman, L.
Neal, L. O.
Paden, D. W.
Parrish, J. B.
Phillips, J. D., Jr.
Resek, R. W.
Sawa, T.
Schran .P.
Scoville, J. G.
Shupp, F. R.
Simon, J. L.
Sprenkle, C. M.
Taira, K.
Takayama, T.
Uselding, P. J.
Wells, P. J.
Yancey, T. A.

Finance:

Arlt, C. T.
Bryan, W. R.
Cammack, T. E.
Gentry, J. A.
Lee, C. F.
Reilly, F. K.

Bureau of Economics and Business Research:

Ferber, R. (Research)
Phillips, J. D., Jr. (Research)
Resek, R. W.

College of Education:

Administration, Higher and Continuing Education:

Burlingame, M.
Henderson, R. A.
Knox, A. B.
McClure, W. P.
Sergiovanni, T. Y.

Educational Psychology:

Anderson, R. C.
Goulet, L. R.
Gronlund, N. E.
Hill, J. H.
Hill, K. T.
Jones, R. S.
Linn, R. L.
Maehr, M. L.
McIntyre, C. J.
Rosenshine, B.
Slater, J. M.
Stake, R. E.
Tatsuoka, M.
Tucker, L. R.
Zaccaria, J.

Elementary and Early Childhood Education:

Atkin, J. M., Science Education
Davis, R. B.
Denny, T.
Durkin, Mary D.
Easley, J. A., Jr.
Evertts, E.
Katz, L. G., Early Childhood Education
Lerch, H. H.
McGill, J. E.
Manolakes, T.
Purves, A. C., English
Raths, J. D.
Rodgers, F. A.
Rubin, L. J.
Shoresman, P. B., Science Education
Spodek, B., Early Childhood Education

Educational Policy Studies:

Burnett, J. R., Philosophy of Education
Ennis, R. H., Philosophy of Education
Feinberg, W.
Karier, C. J., History of Education
McMurray, F., Philosophy of Education
Peshkin, A. J., Comparative Education
Petrie, H. G., Philosophy of Education
Smith, R. A., Cultural and Educational Policy
Violas, P. C., History of Education

Secondary and Continuing Education:

Braunfeld, P. G.
Colwell, R. J.
Cox, C. B.
Hicks, B. L.
Johnson, W. D.
Metcalf, L. E.
Rosen, S.
Travers, K. J.
Trueba, H. T.
Walker, J. L.

Special Education:

Henderson, R. A.
Jenkins, J. R.

Jordan, Laura J.
Karnes, Merle
Sprague, R. L.

Vocational and Technical Education:

Hemp, P. E.
Kazanas, H. C.
Slater, J. M.
Spitze, H. T.
Tomlinson, R. W.

Bureau of Educational Research:

Ennis, R. H., Philosophy of Education
Evans, R. N., Vocational and Technical Education
Feinberg, W., Educational Policy Studies
Hill, J. H., Intercultural Education
McClure, W. P., Education Administration

Center for Instructional Research and Curriculum Evaluation:

Stake, R. E.

Center for the Study of Reading:

Anderson, R. E.
Campione, A. B.
Campione, J. C.

Institute for Child Behaviour and Development:

Campione, J. C.
Cohen, L. B.
Hill, K. T.
Karnes, M. B.
Maehr, M. L.
Quigley, S. P., Special Education
Sprague, R. L.

College of Engineering:

Aeronautical Engineering:

Bond, C. E.
Hilton, H. H.
Hopkins, C. O.
Knoebel, H. W.
Krier, H.
Lin, Yukewng M.
Ormsbee, A. I.
Roscoe, S. N.
Strehlow, R. A.
Yen, Shee Mang.
Zak, A. R.

Ceramic Engineering:

Berger, R. L.
Bergeron, C. G.
Brown, S. D.
Friedberg, A. L.
Nelson, J. A.
Williams, W. S.
Young, J. F.

Chemical Engineering:

Alkire, R. C.
Drickamer, H. G.
Eckert, C. A.
Hanratty, T. J.
Schmitz, R. A.
Westwater, J. W.

Civil Engineering:

Ang, A.
Baerwald, J. E., Transportation and Traffic Engineering
Barenberg, E. J.
Berger, R. L.
Boyce, D. E., Transportation and Regional Science
Briscoe, J. W.
Chilton, A. B.
Chow, Ven Te
Cording, E. J.
Davisson, M. T.
Drucker, D. C.
Engelbrecht, R., Environmental Engineering
Eubanks, R. A.
Ewing, B. B.
Gamble, W. L.
Gurfinkel, G.
Hall, W. J.
Haltiwanger, J. D.
Hendron, A. J., Jr.
Herrin, M.
Holley, E. R., Jr.
Ireland, H. O.
Karara, H. M.
Kesler, C. E.
Khachaturian, N.
Lawrence, F. V.
Liebman, J. C., Environmental Engineering
Lin, Y. M.
Lowry, W. P.
Melin, J. W.
Mesri, G.
Mosborg, R. J.
Munse, W. H.
Murtha, J. P., Structural and Hydraulic Engineering
Pfeffer, J. T., Sanitary Engineering
Robinson, A. R.
Schnobrich, W. C.
Shaffer, L. R.
Siess, C. P.
Sinnamon, G. K.
Snoeyink, V. L.
Sozen, M. A.
Stallmeyer, J. E.
Stukel, J. J.
Thompson, M. R.
Wong, K. W.
Yen, B. C.
Young, U. F.

Computer Science:

Gear, C. W.
Kuck, D. L.
Levy, A.
Liu, C. L.
Muller, D. E.
Muroga, S.
Murrell, T. A.
Nievergelt, J.
Poppelbaum, W.
Preparata, F. P.
Ray, S. R.
Robertson, J. E.
Slotnick, D. L.
Snyder, J. N.

Coordinated Science Laboratory:

Anner, G. E., Research
Brown, R. M., Research
Chien, R. T., Electrical Engineering
Cruz, J. B., Jr., Research
Ehrlich, G., Research
Haddad, A. H., Research
Handler, P., Research
Hohn, F. E., Research
Knoebel, H. W., Research
Kokotovic, P. V., Research
Mayeda, W., Research
Metze, G. A., Research
Perkins, W. R., Research
Preparata, F. P., Research
Streetman, B. G., Research
Trick, T. N., Research
Van Valkenburg, M. E., Research
Wax, N., Research
Williams, M. E.
Yen, Shee Mang, Research

Electrical Engineering:

Anner, G. E.
Bitzer, D. L.
Bowhill, S. A.
Brown, R. M.
Cherrington, B.
Chien, R. T.
Coleman, P. D.
Cruz, J. B., Jr.
Deschamps, G. A.
Dunn, F.
Dyson, J. D.
Emery, W. L.
Ernst, E. W.
Gaddy, O. L.
Haddad, A. H.
Handler, P.
Hang, D. F.
Helm, M. S.
Hendricks, C., Jr.
Holonyak, N., Jr.
Holshouser, D. F.
Jordan, E. C.
Kokotovic, P. V.
Kuo, B.
Lee, S. W.
Liu, C. H.
Lo, Y. T.
Mast, P. E.
Mayeda, W.
Mayes, P. E.
Metze, G. A.
Miley, G. H.
Mittra, R.
Muroga, S.
Murrell, T. A.
Narayana, R. N.
Perkins, W. R.
Pines, D.
Poppelbaum, W.
Preparata, F. B.
Rao, N. N.
Ray, S. R.
Robertson, J. E.
Sah, Chih Tang
Sechrist, C. F., Jr.
Smith, L. G.
Stillman, G. E.
Streetman, B. G.
Swenson, G. W., Jr.
Trick, T. N.
Turnbull, R. J.
Van Valkenburg, M. E.
Verdeyen, J. T.
Wax, N.
Webb, H. D.
Yeh, Kung Chie

General Engineering:

Dobrovolny, J. S.
Ebert, E. D.
Knoebel, H. W.
Stippes, M.

Highway Traffic Safety Center:

Baerwald, J. E.

Mechanical and Industrial Engineering:

Addy, A. L.
Bareither, H. D.
Bayne, J. W.
Chao, Bei Tse
Chato, J. C.
Chen, M. M.
Chow, Wen Lung
Friederich, A. G.
Hertig, B. A.
Hull, W. L.
Jones, B. G.
Korst, H. H.
Leach, J. L.
Martin, R. J.
Mehrabran, R.
Morrison, F. A.
Pigage, L. C., Industrial Engineering
Soo, Shao Lee
Stoecker, W. F.
Stukel, J. J.
White, R. A.
Yen, S. M.

Metallurgy and Mining Engineering:

Altstetter, C. J., Physical Metallurgy
Birnbaum, H. K., Physical Metallurgy

Bohl, R. W., Metallurgy
De Witte, A. J., Petroleum Engineering
Ehrlich, G., Physical Metallurgy
Lawrence, F. V., Metallurgical Engineering
Lieberman, D. S., Physical Metallurgy
Mehrabran, R., Metallurgical Engineering
Metzger, M., Physical Metallurgy
Pugh, E. N.
Rowland, T. J., Physical Metallurgy
Wayman, C. M., Metallurgy Engineering
Wert, C. A., Physical Metallurgy

Nuclear Engineering:

Adler, F. T.
Axford, R. A.
Bohl, R. W.
Boresi, A. P.
Chao, Bei Tse
Chilton, A. B.
Dorning, J. J., Jr.
Ewing, B. B.
Hang, D. F.
Hendricks, C. D.
Jones, B. G.
Turnbull, R. J.
Wehring, B.

Physics:

Adler, F. T.
Alpert, D.
Anderson, A. C.
Ascoli, G.
Axel, P.
Baym, G. A.
Brown, F. C.
Brown, R. M.
Brussel, M. K.
Chang, S. J.
Debrunner, P. G.
Dow, J. D.
Eisenstein, B. I.
Flynn, C. P.
Frauenfelder, H.
Ginsberg, D. M.
Goldwasser, E. L.
Granato, A. V.
Handler, P.
Hanson, A. O.
Holloway, L. E.
Hummel, J. P.
Iben, I., Jr.
Jackson, E. A.
Jones, L. M.
Klein, M. V.
Koehler, J.
Koester, L. J., Jr.
Kruse, U. E.
Kunz, A. B.
Lamb, F. K.
Lavatelli, L. S.
Lazarus, D.
Mapother, D. E.
Maurer, R. J.
McMillan, W. L.
Mochel, J. M.
O'Halloran, T. A., Jr.
Pandharipande, V. R.
Pethick, C. J.
Pines, D.
Propst, F. M.
Raether, M.
Ravenhall, D. G.
Sah, Chih Tang
Salamon, M. B.
Sard, R. D.
Satterthwaite, C. B.
Simmons, R. O.
Slichter, C. P.
Smith, J. H.
Snyder, J. N.
Stapleton, H. J.
Sullivan, J. D.
Watson, W. D.
Wattenberg, A.
Williams, W. S.
Wortis, M.
Wright, J. A.
Wyld, H. W., Jr.

Theoretical and Applied Mechanics:

Boresi, A. P.
Buckmaster, J. D.
Carlson, D. E.
Clark, M. E.
Corten, H. T.
Costello, G.
Drucker, D. C.
Eubanks, R. A.
Kesler, C. E.
Langhaar, H. L.
Lardner, T. J.
Leckie, F. A.
Miller, R. E.
Morrow, J.
Robertson, J. M.
Shield, R. T.
Sidebottom, O. M.
Sinclair, G. M.
Stippes, M.
Taylor, C. E.
Walker, J. S.
Wetenkamp, H. R.
Worley, W. J.

College of Fine and Applied Arts:
Architecture:

Amico, R. L.
Baker, J. S.
Bianchini, A. C.
Brotherson, D. E.
Clayton, G. T.
Creese, W. L.
Ding, G. D.
Eng, W.
Francescato, G.
Hornbeak, H. L.
Jones, R. A.
Katz, R. D.
Lanford, S. T.
Lewis, W. H.
Link, R. P.
Looker, C. B., Jr.
Miller, H. J.
Notaras, A.
O'Connell, W. J.
Replinger, J. G.
Schousboe, I.
Shick, W. L.
Swing, J. H.
Tavis, R. L.
Winkelhake, C. A.
Young, H. C.

Art and Design:

Betts, E. H.
Bodnar, P.
Bradshaw, G. R.
Breen, H. F., Jr.
Briggs, C. W.
Fehl, P.
Foster, G. N.
Frith, D. E.
Gallo, F.
Gunter, F. E.
Hardiman, G. W.
Hilson, M. D.
Jackson, B. M.
Lansing, K. M.
McFarland, N. T.
Moore, A. D.
Perlman, R.
Price, L. H.
Rae, E. C.
Rowan, D. M.
Savage, J. A.
Shipley, J. R.
Sinsabaugh, A. R.
Sprague, M.
Sterkel, R. W.
Von Neumann, R. A.
Wicks, E. C.
Youngman, W. R.
Zagorski, E. J.
Ziff, J.

Urban and Regional Planning:

Blair, L. F.
Boyce, D. E.
Forrest, C. W., Jr.
Freund, E. C.
Goodman, W. I.
Guttenberg, A. Z.

Landscape Architecture:

Keith, W. M.
Nelson, W. R., Jr.
Riley, R. B.
Slotnick, D. L.

School of Music:

Bailey, J. L.
Bays, R. E.
Begian, H.
Berry, E. S., Jr.
Brun, H.
Carter, A. M.
Coggins, W. R.
Colwell, R. J.
Decker, H. A.
Drake, K. O.
Edlefsen, B. E.
Elyn, M.
Fredrickson, L. T.
Garvey, J. C.
Gray, R. E.
Gunsalas, D. C.
Gushee, L. A.
Hamilton, J.
Heiles, W. H.
Holden, T. L.
Hunter, G. H.
Johnston, B. B., Jr.
Krolick, E. J.
Krummel, D. W.
Leonhard, C.
Lloyd, D.
London, E. W.
Lyke, J. B.
Magyar, G.
Martirano, S.
McDowell, A. J.
McKenzie, J. H.
Nettl, B.
Perantoni, D. T.
Perich, G.
Richards, Claire L.
Ringer, A. L.
Rolland, P.
Sanders, D. W.
Schmitt, H. C.
Smith, R. B.
Stravinsky, S.
Swenson, R. H.
Temperley, N.
Thomas, R. E.
Warfield, W. C.
Wilson, Grace E.
Wisniewski, T. J.
Wustman, J. C.

Dance:

(Vacant)

Theatre:

Ahart, J. C.
Behringer, Clara M.
Hobgood, B. M.
Works, B. R.

Graduate College:

Graduate Center for Advanced Study:

Alpert, D., Physics
Doob, J. L., Mathematics
Drickamer, H. G., Chemical Engineering
Holonyak, N., Jr., Electrical Engineering
Leonard, N. J., Chemistry
Lin, Y. M.

Marchand, J. W., German and Linguistics
Osgood, C. E., Psychology
Slichter, C. P., Physics
Stillinger, J. C., English
Suzuki, M., Mathematics
Tucker, L. R., Psychology
Weber, G., Biochemistry and Biophysics
Zgusta, L., Classics, Linguistics

Atmospheric Research Laboratory:
Ogura, Y., Meteorology

Committee on Housing and Research Development:
Francescato, G.
Katz, R. D.
Replinger, J. G.

College of Communications:
Advertising:
Barban, A. M.
Rotzoll, K. B.

Journalism:
Evans, J. F.
Guback, T. H. (Research)
Jensen, J. W.
Littlewood, T. B.
Peterson, T. B.
Schacht, J. H.

Radio and TV:
Welch, P.

Institute of Communications Research:
Barban, A. M.
Fishbein, M.
Guback, T. H.
Maclay, H. S.
Merritt, R.
Osgood, C. E.
Simon, R. J.

College of Law:
Benfield, M. W., Jr.
Cribbet, J. E.
Findley, R. W.
Frampton, G. T.
Graham, M. H.
Hawkland, W. D.
Hay, P. H.
Hess, E. F., Jr.
Krause, H. D.
Lafave, W. R.
Landers, J. M.
Maggs, P. B.
McCord, J. H.
Morgan, T. D.
Nowak, J. E.
O'Connell, J.
Painter, W. H.
Quick, C. W.
Reisner, R.
Simon, R. J.
Stone, V. J.
Young, J. N.

College of Liberal Arts and Sciences:
Anthropology:
Bruner, E. M.
Casagrande, J. B.
Cunningham, C. E.
Giles, E.
Gould, H. A.
Grove, D. C.
Lathrap, D. W.
Lehman, F. K.
Nettl, B.
Plath, D. W.
Shimkin, D. B.
Uchendu, V. C.
Whitten, N. E., Jr.
Zuidema, R. T.

Asian Studies:
Crawford, R. B.
Gould, H. A.
Jacobs, N.
Plath, D. W.
Shran, P.
Yu, G. T.

Astronomy:
Iben, I., Jr.
Kaler, J. B.
Snyder, L. E.
Swenson, G. W., Jr.
Truran, J. W.
Watson, W. D.
Wyatt, S. P., Jr.
Yoss, K. M.

Botany:
Bazzaz, F.
Boyer, J. S.
Carothers, Z. B.
Dewet, J. M.
Dickinson, D. B., Jr.
Govindjee
Hanson, J. B.
Hoffman, L. R.
Phillips, T. L.
Tuveson, R. W.
Vanderhoef, L. N.

Chemistry and Chemical Engineering:
Alkire, R. G., Chemical Engineering
Applequist, D., Chemistry
Beak, P., Chemistry
Brown, T. L., Chemistry
Chandler, D., Chemistry
Coates, R. M., Chemistry
Conrad, H. E., Biochemistry
Curtin, D. Y., Chemistry
Drago, R. S., Chemistry
Drickamer, H. G., Chemical Engineering and Chemistry
Eckert, C. A., Chemical Engineering
Flygare, W. H., Chemistry
Gunsalus, I. C., Biochemistry
Gutowsky, H. S., Chemistry
Hager, L. P., Biochemistry
Haight, G. P., Jr., Chemistry
Hanratty, T. J., Chemical Engineering
Hummel, J. P., Chemistry
Jonas, J., Chemistry
Leonard, N. J., Chemistry and Biochemistry
Martin, J. C., Chemistry
Nystrom, R. F., Biochemistry
Paul, I. C., Chemistry
Rinehart, K. L., Chemistry
Schmitz, R. A., Chemical Engineering
Smith, S. G., Chemistry and Chemical Education
Stucky, G. D., Chemistry
Switzer, R. L.
Weber, G., Biochemistry
Westwater, J. W., Chemical Engineering
Yankwich, P. E., Chemistry

Classics:
Bateman, J. J.
Marcovich, M.
Schoedel, W. R.
Zgusta, Ladislav

Comparative Literature:
Aldridge, A. O.
Benstock, B.
Hollerer, W.
Jost, F.
Knust, H.
Montano, R.
Nelson, R. J.
Tikku, G. L.

Ecology, Ethology and Evolution:
Banks, E. M.
Frazzetta, T. H.
Getz, L. L.
Ghent, A. W.
Hirsch, J.
Hoffmeister, D. F.
Lowry, W. P.
Salmon, M.
Willson, M. F.

English:
Altenbernd, A. L.
Aston, K. O.
Barksdale, R. K.
Benstock, B.
Brandabur, E. J.
Campbell, J. J.
Curley, D.
Davidson, E. H.
Frayne, J. P.
Friedman, J.
Halsband, R.
Hendrick, G.
Holaday, A. G.
Hurt, J. B.
Kinnamon, K.
Kramer, D. V.
Lieberman, L. J.
Rogers, R. W.
Rose, M. A.
Sanders, C.
Shattuck, C. H.
Shuman, R. D.
Stillinger, J. C.
Stillinger, N. B.
Weeks, F. W.
Wilkie, B. F.
Wilson, H. W.

Entomology:
Friedman, S.
Ghent, A. W.
Jaycox, E. R.
Kogan, M.
Larsen, J. R., Jr.
Metcalf, R. L.
Selander, R. B.
Sternburg, J. G.
Waldbauer, G. P.
Willis, J. H.

French:
Aldridge, A. O.
Appel, K. I.
Bowen, B. C.
Deley, H. C., Jr.
Gaeng, P. A.
Haidu, P.
Jahiel, E.
Jost, F.
Mainious, B. H.
Marty, F., Italian
Nachtmann, F. W.
Nelson, R. J.

Genetics and Development:
Kruidenier, F. J.
Laughnan, J. R.
Nanney, D. L.
Selander, R. B.
Steffensen, D. M.
Tuveson, R. W.
Watterson, R. L.
Whitt, G. S.
Woese, C. R.

Geography:
Alexander, C. S.
Fellmann, J. D.
Foster, F. W.
Getis, A.
Karara, H. M.
Lowry, W. P.
Roepke, H. G.
Shimkin, D. B.
Thompson, J.

Geology:
Carozzi, A.
Domenico, P. A.

Donath, F. A.
Graf, D. E.
Henderson, D. M.
Klein, G. D.
Langenheim, R. I.
Sandberg, P. A.
Wood, D. S.

Germanic Languages and Literatures:

Antonsen, E.
Haile, H. G.
Hollerer, W.
Knust, H.
Lorbe, R. E.
Marchand, J. W.
Mitchell, P. M.
Rauch, I.

History:

Arnstein, W. L.
Bates, J. L.
Bernard, P. P.
Crawford, R. B.
Dawn, C. E.
Eastman, L. E.
Farnham, W. D.
Fisher, R. T., Jr.
Hill, B. D.
Hitchins, K.
Jaher, S. C.
Johannsen, R. W.
Kling, B. B.
Love, J. L.
McColley, R. M.
McKay, J. P.
Nichols, J. A.
Queller, D. E.
Schroeder, P. W.
Solberg, W. U.
Spence, C. C.
Sutton, R. M.
Waller, R. A.

Linguistics:

Antonsen, E.
Aston, Katharine
Blaylock, W. C.
Dawson, C. L.
Gaeng, P. A.
Kachru, B. B.
Kachru, Y.
Kim, C. W.
Kisseberth, C. W.
Lehman, F. K.
Maclay, H. S.
Marchand, J. E.
Rauch, I.
Saltarelli, M.
Tikku, G. L.
Zgusta, J. W.

Mathematics:

Albrecht, F. R.
Ash, R. B.
Bank, S. B.
Bartle, R. G.
Bateman, P. T.
Berg, I. D.
Berkson, E. R.
Berndt, B. C.
Bishop, R. L.
Blumenthal, S.
Boone, W. W.
Braunfeld, P. G.
Buckmaster, J. D.
Burkholder, D. L.
Carroll, R. W.
Chen, K. T.
Dade, E. C.
Day, M. M.
Diamond, H. G.
Fossum, R. M.
Gear, C. W.
Goldberg, S. I.
Gray, J. W.
Griffith, P. A.
Haken, W. R. G.,
Hamstrom, Mary E.
Helms, L. L.
Hohn, F. E.
Janusz, G. J.
Jerrard, R. P.
Jockusch, C. G., Jr.
Jogdeo, S. S.
Kamber, F. W.
Kaufman, R. P.
Knight, F. B.
Langebartel, R. G.
Loeb, P. A.
McEliece, R. J.
Muller, D. E.
Osborn, H.
Parker, E. T.
Peressini, A. L.
Philipp, W.
Ranga, Rao R.
Reiner, I.
Robinson, D. S.
Rosenthal, H. P.
Rothman, N. J.
Rotman, J. J.
Rubel, L. A.
Schupp, P. E.
Scott, E. J.
Suzuki, M.
Takeuti, G.
Ting, T. W.
Tondeur, P. M.
Uhl, J. J., Jr.
Ullom, S. V.
Vaughan, H. E.
Walter, J. H.
Weichsel, P. M.
Wijsman, R. A.
Wolfowitz, J.

Microbiology:

Alston, W. P.
Bryant, M. D.
DeMoss, R. D.
Drake, J. W.
Kallio, R. E.
Kaplan, S.
Meyer, R. C.
Ordal, Z. J.
Reichmann, M. E.
Savage, D. C.
Voss, E. W., Jr.
Woese, C. R.
Wolfe, R. S.

Philosophy:

Caton, C. E.
Diggs, B. J.
Shwayder, D. S.
Tiebout, H. M., Jr.
Wallace, J. D.
Will, F. L.

Physiology and Biophysics

Barr, L.
Buetow, D. E., Physiology
Donchin, E.
Ducoff, H. S.
Dunn, F., Bioengineering
Ebrey, T. G.
Govindjec, Biophysics
Heath, J. E., Physiology
Hertig, B. A.
Larsen, J. R., Jr., Physiology
Ramirez, V. D., Physiology
Satinoff, E.
Sleator, W. W.
Twardock, A. R.
Weber, G.
Willis, J. S., Physiology
Woese, C. R., Biophysics

Political Science:

Davis, M.
Gerberding, W. P.
Glad, B.
Gove, S. K.
Kanet, R. E.
Kolodziej, E. A.
Merritt, R.
Monypenny, P.
Nagel, S. S.
Scott, R. E.
Seligman, L. G.
Wirt, F. M.
Yu, G. T.

Psychology:

Adams, J. A.
Anderson, R. C.
Banks, E. M.
Bernstein, D. A.
Birch, J. D.
Campione, J. C.
Clore, G. L., Jr.
Cohen, J. B.
Cohen, L. B.
Costin, F.
Davis, J. H.
Donchin, E.
Dulany, D. E., Jr.
Eriksen, C. W.
Fishbein, M.
Flexman, R. E.
Greenough, W. T.
Hake, H. W.
Hill, K. T.
Hirsch, J.
Hopkins, C. O.
Hulin, C. L.
Humphreys, L. G.
Kanfer, F. H.
Kappauf, W. E.
Komorita, S. S.
Laughlin, P. R.
Linn, R. L.
McGrath, J. E.
Osgood, C. E.
Parke, R. D.
Paul, G. L.
Rappaport, J.
Roscoe, J. N.
Satinoff, E.
Sprague, R. L.
Swarr, R. R.
Tatsuoka, M.
Teitelbaum, P.
Triandis, H. C.
Tucker, L. R.
Wagman, M.
Weir, M. W.
Wyer, R. S., Jr.

Religious Studies:

Robbins, V. K.
Schoedel, W. R.

Slavic Languages and Literature:

Dawson, C. L.
Friedberg, M.
Klein, K.
Pachmuss, T.

Sociology:

Bordua, D. J.
Denzin, N. K.
Fliegel, F. C.
Form, W. H.
Gorecki, J.
Jacobs, N.
Johnson, H. M.
Karsh, B.
Land, K. C.
Lueschen, G.
Robinson, J. W., Jr.
Simon, R. J.
Sudman, S.
Van Es, J. C.

Spanish, Italian and Portuguese:

Baldwin, S. W., Jr., Spanish and Italian

Blaylock, W. C., Spanish
Dutton, B., Spanish
Forster, M. H., Spanish and Portuguese
Lott, R. E., Spanish
Montano, R., Italian
Pasquariello, A. M., Spanish
Porgueras, A., Spanish
Preto-Rodas, R.
Saltarelli, M., Spanish

Speech Communication:

Andersen, K. E.
Bateman, J. J.
Broadrick-Allen, K. W.
Delia, J. G.
Mueller, H. L.
Nebergall, R. E.

Speech and Hearing Science:

Bigler, R. C.
Kim, C. W.
O'Neill, J. J.
Quigley, S. P.
Stark, E. W.
Zemlin, W. R.

Library:

Library Administration:

Atkinson, H. C.
Blum, Eleanor
Brichford, M. J.
Croft, Betty M.
Deal, C. W.
Delzell, R. F.
Hess, E. F., Jr.
Huff, W. H.
Kim, C.
Miller, L. H.
McClellan, W. M.
Oram, R. W.
Satterlee, Marilyn
Shtohryn, D. M.
Wallace, H. E.
Williams, M. E.
Wolff, E.

Graduate School of Library Science:

Goldhor, H.
Krummel, D. W.
Lancaster, F. W.
Stevens, R. E.
Williams, M. E.

Radio Isotope Laboratory:

Nystrom, F. R.

College of Applied Life Studies:

Health and Safety:

Clarke, K. S.
Creswell, W. H., Jr., Health Education
Kiersch, T. A., Health Science
Mortimer, R. G.
Stone, D. B.

Physical Education:

Cheska, Alyce T.
Lueschen, G.
Martens, P.
Massey, B. H.
Matthews, D. O.
Moore, A. C., Jr.
Thompson, M. M.
Wright, R. G.

Leisure Studies:

Bannon, J. J., Co-operative Extension

Rehabilitation-Education Services:

Nugent, T. J.

College of Veterinary Medicine:

Clinical Medicine:

Brodie, B.
Davis, L. E.
Dorner, J. L.
Gustafsson, B. K.
Helper, L. C.
Schiller, A. G.
Small, E.
Thurmon, J. C.

Pathology and Hygiene:

Bryan, H. S.
Crandell, R. A.
Dierks, R. E.
Dorner, J. L.
Fitzgerald, P. R., Veterinary Parasitology
Gallina, A. M.
Hanson, L. E.
Levine, N. D., Veterinary Parasitology
Mansfield, M. E.
Meyer, R. C.
Pickard, J. R.
Ristic, M.
Segre, D., Veterinary Research
Simon, J.
Todd, K. S., Veterinary Parasitology
Watrach A. M.
Woods, G. T., Veterinary Microbiology and Public Health

Anatomy, Physiology and Pharmacology:

Buck, W. B.
Davis, L. M.
Jackson, G. L.
Jones, L. M.
McQueen, R. D.
Metcalf, R. L.
Safanie, A. H.
Thurmon, J. C.
Twardock, A. R.
Wagner, W. C.

Institute of Labor and Industrial Relations:

Adelman, W. J.
Connors, T. F.
Derber, M.
Folk, H. W.
Form, W. H.
Franke. W. H.
Hartman, P. T.
Hulin, C. L.
Karsh, B.
Rothbaum, M.
Scoville, J. G.
Taira, K.
Triandis, H. C.
Wagner, M.

Instructional Resources:

McIntyre, C. J., Educational Psychology

Institute of Aviation:

Flexman, R. E.
Ormsbee, A. I.
Stonecipher, J. W.

Institute for Environmental Studies:

Ewing, B. B.
Gardner, D. M.
Lowry, W. P.
Metcalf, R. L.
Seitz, W. D.
Stout, G. E.

Jane Addams School of Social Work:

Brieland, D.
Costin, Lela
Itzin, F. H.
Taber, M. A.

Health Service:

Hursh, L. M., Health Science
Kiersch, T. A., Health Science
Kinzie, M. D., Health Science
Teigler, H. I., Health Science

Armed Forces:

Boone, J. J., Air Force Aerospace Studies
Orrill, J. W., Naval Science
Pinson, D. L., Military Science

School of Basic Medical Sciences:

Bloomfield, D. K.
Demoss, R. D.
Drake, J. W.
Ghent, A. W.
Hager, L. P.
Heath, J. E.
Leeson, C. R.
Levy, A.
Ramirez, V. D.
Reichmann, M. E.
Savage, D. C.
Schoenberg, M. D.
Siedler, A. J.
Snyder, J. N.
Sprague, R. L.
Switzer, R. L.
Thursh, D. R.
Visek, W. J.
Watterson, R. L.
Weber, G.
Zemlin, W. R.

School of Clinical Medicine:

Absolon, K. B.
Bloomfield, D. K.
Creditor, M. C.
Gans, H.
Leonard, A.
Sharp, J. T.
Thursh, D. R.

University of Illinois at Chicago Circle

P.O.B. 4348, Chicago, Illinois 60680
Telephone: 996-3000.

Chancellor: Donald H. Riddle, ph.d.
Vice-Chancellors: Richard Ward, Richard Johnson.
University Librarian: Beverly A. Lynch.

Number of students: 20,663.

DEANS:

Architecture, Art and Urban Sciences: Alan M. Voorhees.
Business Administration: Ralph Westfall.
Engineering: Paul Paslay.
Liberal Arts and Sciences: Elmer B. Hadley.
Education: Maurice J. Eash.
Health, Physical Education and Recreation: S. L. Fordham, ed.d. (Director).
Graduate College: J. Rocek, ph.d.
Jane Addams College of Social Work: Shirley M. Buttrick.
Urban Sciences: C. J. Orlebeke, ph.d.

University of Illinois at the Medical Center, Chicago

P.O.B. 6998, Chicago, Illinois 60680
Telephone: 996-7000.

Chancellor: J. S. Begando, ph.d.
Vice-Chancellor for Academic Affairs: William J. Grove, m.d.
Vice-Chancellor for Administrative Services: David W. Bonham.
Vice-Chancellor for Health Services: Alexander M. Schmidt, m.d.

Deans:

Graduate College: Ralph Daniels, ph.d. (acting).
College of Dentistry: S. H. Yale, d.d.s.
College of Medicine: T. O. Anderson, m.d.
Abraham Lincoln School of Medicine: B. Sigel, m.d.
School of Basic Medical Sciences at Chicago: H. Jeffay, ph.d. (acting).
School of Basic Medical Sciences at Urbana-Champaign: D. K. Bloomfield, m.d.
Peoria School of Medicine: N. J. Cotsonas, Jr., m.d.
Rockford School of Medicine: Clifford R. Grulee, m.d.
College of Nursing: Helen K. Grace, ph.d.
College of Pharmacy: A. P. Lemberger, ph.d.
School of Associated Medical Sciences: Barbara Loomis, m.a. (acting).
School of Public Health: Alan W. Donaldson, sc.d. (acting).

Directors:

Division of Services for Crippled Children: Edward F. Lis, m.d.
University of Illinois Hospital: William R. Best, m.d. (Chief of Staff), William J. Hart (Hospital Administrator).
Institution for Tuberculosis Research: Ray G. Crispen, ph.d.

WESTERN ILLINOIS UNIVERSITY

MACOMB, ILLINOIS 61455
Telephone: 295-1414.
Founded 1899.

President: Leslie F. Malpass.
Provost and Academic Vice-President: Bruce H. Carpenter.
Vice-President for Student Affairs: R. D. Gierhan.
Dean of Admissions and Records: F. E. Fess.
Librarian: Pearce S. Grove.

Number of teachers: 747.
Number of students: 13,881.

Publications: *Undergraduate Catalog, Graduate Catalog, Summer Sessions Bulletin, Mississippi Valley Review, Essays in Literature.*

Deans:

College of Arts and Sciences: Paul Weller.
College of Education: N. W. Wiggins (acting).
College of Applied Sciences: Rodney J. Fink.
College of Business: H. C. Nudd.
College of Fine Arts: F. D. Suycott, Jr.
College of Health, Physical Education and Recreation: W. L. Lakie.
School of Graduate Studies: J. H. Sather.
Summer Session: Paul McKee.

WHEATON COLLEGE

WHEATON, ILLINOIS 60187
Founded 1860.

President: Dr. Hudson T. Armerding, ph.d.
Registrar: Patrick L. Miller, m.a.
Director of Admissions: Joseph Bean, m.ed.
Vice-President for Academic Affairs: Dr. D. R. Mitchell, th.d.
Vice-President for Finance: David Johnston, ph.d.
Vice-President for Student Affairs: Dr. Henry W. Nelson, d.ed.
Dean: Dr. P. Veltman, ph.d.
Dean of Conservatory: H. M. Best, s.m.d.
Librarian: Paul Snezek, m.a.

The library contains 209,000 items.

Number of teachers: 136, including 46 professors.

Number of students: 1,381 men, 1,270 women, total 2,651.

Publications: *Bulletin* (7 times a year), *Literary Magazine* (3 times a year), *Record* (weekly), *Tower* (year book).

INDIANA

ANDERSON COLLEGE

ANDERSON, INDIANA 46011
Telephone: (317) 644-0951.
Founded 1917.

President: Dr. Robert H. Reardon.
Vice-President for Academic Affairs and Dean of the College: Dr. Robert A. Nicholson.
Dean of the Faculty: Dr. Duane Hoak.
Dean of Instruction: Dr. Frederick V. Shoot.
Registrar: Lucille Strawn.
Librarian: Richard Snyder.

The library contains 129,537 vols.
Number of teachers: 105.
Number of students: 2,000.

BALL STATE UNIVERSITY

MUNCIE, INDIANA 47306
Telephone: 317-289-1241.
Founded 1918.

President: Dr. John J. Pruis.
Vice-Presidents: Dr. R. W. Burkhardt, Dr. M. C. Beyerl, Dr. R. P. Bell, Dr. Joseph B. Black, Jr. (acting).
Registrar: J. W. Espey.
Librarian: Dr. R. R. Suput.

The library contains 968,370 vols.
Number of teachers: 919.
Number of students: 16,977.

Publications: *Forum*† (quarterly), *The Steinbeck Quarterly, Indiana Social Studies Quarterly, Business Review*† (2 a year), *Teacher Educator*† (4 a year), *Proceedings of the Indiana Academy of Social Sciences* (annually), *22 Young Indiana Writers* (annually), *Ball State University Faculty Lectures*† (annually), *Ball State Monographs*† (irregularly), *Geographical Survey* (quarterly).

BUTLER UNIVERSITY

4600 SUNSET AVE.,
INDIANAPOLIS, INDIANA 46208
Telephone: 283-8000

Chartered as North-Western Christian University, a joint stock company, 1849; name changed to Butler University 1877.

President: Paul R. Stewart (acting).
Treasurer: R. W. Gladden.
Registrar: R. E. Cawthorne.
Librarian: R. A. Davis.

Number of teachers: 250.
Number of students: 4,200.

CALUMET COLLEGE

HAMMOND, INDIANA 46394
Telephone: (219)473-7770.
Founded 1951.

President: Very Rev. James F. McCabe.
Executive Vice-President: Rev. Louis Osterhage.
Registrar: Jay Gould.
Librarian: Jon L. Iglar.

The library contains 90,000 vols.
Number of teachers: 74.
Number of students: 1,600.

DEPAUW UNIVERSITY

GREENCASTLE, INDIANA 46135

Chartered 1837 as Indiana Asbury University, name changed 1884.

Chancellor: William E. Kerstetter, b.a., s.t.b., ph.d., ll.d., l.h.d.
President: Thomas W. Binford, ll.d. (acting).
Dean: R. H. Farber, ed.d.
Comptroller: Lawrence C. Elam, b.s.
Registrar: E. S. Ypma, ph.d.
Librarian: J. A. Martindale, m.a.l.s.

The library contains 286,400 volumes.
Number of teachers: 192.
Number of students: 1,105 men, 1,208 women, total 2,313.

Publications: *Bulletin* (annual), *The Alumnus* (8 issues annually).

Directors:

Music: D. H. White, ph.d.
Nursing: Doris J. Froebe, ph.d.
Graduate Studies: J. R. Anderson, ph.d.

EARLHAM COLLEGE

RICHMOND, INDIANA 47374
Founded 1847.

President: Franklin W. Wallin.

Vice-President for Business Affairs: G. Richard Wynn.
Vice-President for Development: Robert Lyon.
Provost and Dean for Academic Affairs: J. E. Elmore.
Librarian: E. Farber.

Number of teachers: 118.
Number of students: 1,227.

Publications: *Earlhamite*, *Earlham Report* (quarterly), *Earlham Post* (weekly), *Crucible* (bi-annual by students), *Sargasso* (annual by students), *Earlham College Bulletin* (annual), *Prism* (bi-annual by students), *The Earlham Review* (tri-annual by faculty).

Deans:

College: J. E. Elmore.
Students: Robert Ubbelohde.

FRANKLIN COLLEGE

FRANKLIN, INDIANA 46131
Telephone: (317) 736-8441.
Founded 1834.

President: Edwin A. Penn.
Dean: Richard M. Park.
Vice-President for Admissions and Financial Aid: Nolan Cooper.
Librarian: R. Coward.

The library contains 86,000 vols.

Number of teachers: 48 full-time, 8 part-time.

Number of students: 650.

GOSHEN COLLEGE

GOSHEN, INDIANA 46526
Telephone: 533-3161.
Founded 1894.

President: J. Lawrence Burkholder.
Registrar: J. D. Nyce.
Librarian: J. Clemens.

The library contains 121,000 vols.

Number of teachers: 83.
Number of students: 1,210.

HANOVER COLLEGE

HANOVER, INDIANA 47243
First instruction 1827; Chartered 1829.
Private control, Presbyterian.

President: John E. Horner, A.B., M.A., PH.D., LL.D., LITT.D.
Vice-President for Academic Affairs: Stanley P. Caine, M.S., PH.D.
Vice-President for Student Affairs: Barbara P. Quilling, B.A., M.ED.

The library contains 210,000 vols.

Number of teachers: 74.
Number of students: 1,000.

HUNTINGTON COLLEGE

HUNTINGTON, INDIANA 46750
Telephone: 356-6000.
Founded 1897.

President: Dr. E. DeWitt Baker.
Academic Dean: Dr. Gerald G. Winkleman.
Director of Admissions: John C. Schafer.
Registrar: Mrs. Imogene M. Palmer.
Librarian: Robert E. Kaehr.

The library contains 47,000 volumes.

Number of staff: 40.
Number of students: 565.

INDIANA CENTRAL UNIVERSITY

1400 EAST HANNA AVE.,
INDIANAPOLIS, INDIANA 46227
Telephone: (317) 788-3368.
Founded 1902.

President: Dr. Gene E. Sease.
Registrar: W. D. Lawrence.
Director of Admissions: D. J. Huffmann.
Librarian: Mrs. F. Wilson.

The library contains 86,808 volumes.

Number of teachers: 93 full-time.
Number of students: 1,300 full-time, 2,150 part-time.

INDIANA INSTITUTE OF TECHNOLOGY

1600 E. WASHINGTON,
FORT WAYNE, INDIANA 46803
Telephone: 422-5561.
Founded 1930.

President: Thomas F. Scully.
Director of Admissions: Lawrence C. Andrews.
Librarian: Ann Wintrode.

The library contains 45,000 volumes.

Number of teachers: 34.
Number of students: 400.

Schools of Engineering, Sciences and Business.

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA 47809
Telephone: 232-6311.
Founded 1865.

President: Richard G. Landini.
Vice-President for Academic Affairs: Elwood B. Ehrle.
Vice-President for Business Affairs and Treasurer: J. K. Moulton.
Vice-President for Development & Public Affairs: Donald J. Roberts.
Vice-President for Student Affairs: Dr. J. W. Truitt.
Registrar: William R. Osmon.
Director of Admissions and University High School Relations: Jerry L. Hile.
Librarian: Sul H. Lee.

The library contains 720,000 vols.

Number of teachers: 673.
Number of students: 11,845.

INDIANA UNIVERSITY

BLOOMINGTON, INDIANA 47401
(Other Campuses at Fort Wayne, Kokomo, Gary, South Bend, Indianapolis, New Albany, Richmond, Indiana).

Telephone: (812) 332-0211.

Established 1820 as a State Seminary, opened 1824, became Indiana College 1828, attained university status 1838, became State University 1852.

President: John W. Ryan, PH.D.
Chancellor: H. B Wells, M.A., LL.D.
Vice-Presidents: W. G. Pinnell, D.B.A., E. G. Williams, D.B.A., G. W. Irwin, Jr., M.D., R. M. O'Neil, LL.B., T. M. Bonus, M.S.
Registrar and Director of Admissions: M. D. Scherer.
Dean of Libraries: W. Carl Jackson.

Library: *see* Libraries.

Number of teachers: 1,512 (Bloomington), 1,631 (all other campuses), full-time.

Number of students: 32,921 (Bloomington), 45,027 (all other campuses), full- and part-time.

Publications: *University Bulletin* (30 times a year), *Indiana Magazine of History* (quarterly), *Indiana Law Journal* (quarterly), *Journal of Mathematics and Mechanics*, *International Journal of American Linguistics*, *Indiana Folklore* (quarterly), *Journal of Victorian Studies*, *Indiana Business Review* (monthly), *Business Horizons* quarterly).

MANCHESTER COLLEGE

604 COLLEGE AVENUE,
NORTH MANCHESTER,
INDIANA 46962
Telephone: (219) 982-2141.
Founded 1889.

President: A. Blair Helman.
Academic Dean: H. A. Book.
Dean of Students: Stanley B. Escott.
Treasurer: D. B. Yeatter.
Registrar: R. H. Paine.
Director of Admissions: Robert C. Tully.
Librarian: J. A. Willmert.

The library contains 140,078 vols.

Number of teachers: 70 full-time.
Number of students: 1,031 full-time.

Publications: *Bulletin* (monthly), *The Oak Leaves* (student weekly), *The Aurora* (annual).

MARIAN COLLEGE

3200 COLD SPRING RD.,
INDIANAPOLIS, INDIANA 46222
Telephone: 924-3291.
Founded 1851.

President: Louis Gatto, PH.D.

Director of Development and College Relations: BURK FRIEDERSDORF, M.A.

Dean of Academic Affairs: Sister MARGARETTA BLACK, O.S.F., PH.D.

Dean of Student Services: WILLIAM H. WOODMAN, PH.D.

Business Manager and Controller: Col. L. W. WAGNER, B.S.

Librarian: Sister THERESE WENTE, O.S.F., M.A.

The library contains 95,000 vols.

Number of teachers: 85.

Number of students: 825.

MARION COLLEGE

MARION, INDIANA 46952
Telephone: (317) 674-6901.
Founded 1920.

President: ROBERT R. LUCKEY.

Director of Records: JAMES BLACKBURN.

Librarian: H. BOYCE.

The library contains 84,567 vols.

Number of teachers: 68.

Number of students: 880.

PURDUE UNIVERSITY

WEST LAFAYETTE, INDIANA 47907
Telephone: (317) 749-8111.

Founded 1869; Instruction commenced 1874.

President: ARTHUR G. HANSEN, PH.D., D.ENG., D.SC.

Executive Vice-President and Provost: FELIX HAAS, M.S., PH.D.

Executive Vice-President and Treasurer: F. R. FORD, B.S.M.E., M.S.I.M., PH.D.

Vice-President for Research and Dean of the Graduate School: F. N. ANDREWS, M.S., PH.D., D.SC.

Vice-President for Student Services: W. J. FISCHANG, B.S., PH.D.

Registrar: N. M. PARKHURST, B.S.A., M.S.

Director of Admissions: JAMES R. KRAYNAK, M.S.ED.

Director of Libraries: J. M. DAGNESE, M.A., M.S.L.S.

The libraries contain 1,265,000 vols.

Number of teachers: 2,100 West Lafayette campus; 694 regional campuses.

Number of students: 30,303 (12,720 additional students at regional campuses).

Publications: *University Bulletins, Purdue University Press Books, Modern Fiction Studies.*

DEANS:

School of Agriculture: R. L. KOHLS, M.A., PH.D.

School of Veterinary Medicine: J. J. STOCKTON, D.V.M., M.S., PH.D.

School of Consumer and Family Sciences: N. H. COMPTON, M.S., PH.D.

Schools of Engineering: J. C. HANCOCK, M.S.E.E., PH.D.

School of Management: J. S. DAY, M.B.A., D.C.S.

School of Pharmacy and Pharmacal Sciences: V. E. TYLER, M.S., PH.D.

School of Humanities, Social Science and Education: R. L. RINGEL, M.S., PH.D.

School of Technology: G. W. MCNELLY, M.S., PH.D.

School of Science: A. H. CLARK, M.A., PH.D.

Graduate School: F. N. ANDREWS, M.S., PH.D., D.SC.

Dean of Students: M. BEVERLEY STONE, M.A.

PROFESSORS:

School of Agriculture:

Agricultural Economics:

ATKINSON, J. H.
BABB, E. M.
BACHE, D. H.
CROOKS, P. B.
DIESSLIN, H. G.
DOWNEY, W. D.
FARRIS, P. L.
FARRIS, W. S.
JONES, B. F.
KADLEC, J. E.
KEHRBERG, E. W.
MILLER, W. L.
MORRIS, W. H. M.
OESTERLE, E. C.
POND, M. T.
ROBBINS, P. R.
SCHRADER, L. F.
SCHUH, G. E.
TAYLOR, R. W.
UHRIG, J. W.
WHITE, T. K.

Agricultural Engineering:

DALE, A. C.
FOSTER, G. H.
HAUGH, C. G.
HINKLE, C. N.
HUGGINS, L. F.
ISAACS, G. W.
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MCKENZIE, B. A.
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PEART, R. M.

Agronomy:

AHLRICHS, J. L.
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BULA, R. J.
CRANE, P. L.
DANIEL, W. H.
FRANZMEIER, D. P.
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GLOVER, D. V.
HILST, A. R.
HOLT, D. A.
LOW, P. F.
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MCFEE, W. W.
MOLDENHAUER, W. C.
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NEWMAN, J. E.
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PATTERSON F. L.
PHILLIPS, M. W.
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Animal Sciences:

ABERLE, E. D.
ALBRIGHT, J. L.
ALLISTON, C. W.
BELL, A. E.
BOHREN, B. B.
CARSON, J. R.
CLINE, T. R.
CUNNINGHAM, M. D.
ERB, R. E.
FEATHERSTON, W. R.
FORREST, J. C.
FOSTER, J. R.
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WOODS, W. R.

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REGNIER, F. E.
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SCHALL, E. D.
SOMERVILLE, R. L.
WEINER, H.
ZALKIN, H.

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WILLIAMS, J. L.

Entomology:

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FERRIS, V. R.
GALLUN, R. L.
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WILSON, M. C.

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Miller, C. I.
Moser, J. W.
Mumford, R. E.
Suddarth, S. K.

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Wilcox, G. E.
Wott, J. A.

School of Veterinary Medicine:
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Large Animal Clinics:
Amstutz, H. E.
Callahan, C. J.
Fessler, J. F.
Morter, R. L.
Page, E. H.
Runnels, L. J.

Small Animal Clinics:
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Knecht, C. D.
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Stromberg, M. W.
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VanSickle, D. C.

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Claflin, R. M.
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Goetsch, G. D.
Jackson, H. D.
Neher, G. M.

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Child Development and Family Studies:
Compton, N. H.
Denton, G. W.
Felker, D. W.
Kerckhoff, F. G.
Kerckhoff, R. K.

Consumer Sciences and Retailing:
Armstrong, J.
Conte, M.
Hamilton, C.
Manning, S. L.
Rennebohm, F. H.

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Fuqua, M. E.
Kirksey, A.
Pratt, D. E.

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Cioch, J. J.

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Drake, J. W.
Gustafson, W. A.
Lianis, G.
Lo, H.
Marshall, F. J.
Reese, B. A.
Stanisic, M. M.
Sun, C. T.
Swaim, R. L.
Yang, H. T. Y.

Chemical Engineering:
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Chao, K. C.
Delgass, W. N.
Eckert, R. E.
Emery, A. H.
Greenkorn, R. A.
Hanneman, R. E.
Koppel, L. B.
Kessler, D. P.
Lim, H. C.
Ramkrishna, D.
Squires, R. G.
Tsao, G. T.
Wankat, P. C.
Williams, T. J.

Civil Engineering:
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Anderson, V. L.
Botkin, K. E.
Chen, W.
Curtis, K. S.
Delleur, J. W.
Diamond, D.
Dolch, W. L.
Etzel, J. E.
Goetz, W. H.
Gutzwiller, M. J.
Harr, M. E.
Havers, J. A.
Hittle, J. E.
Judd, W. R.
Kirsch, E. J.
Lee, R. H.
Leonards, G. A.
Lovell, C. W.
McEntyre, J. G.
McLaughlin, J. F.
Michael, H. L.
Mikhail, E. M.
Miles, R. D.
Satterly, G. T.
Sinha, K. C.
Toebbes, G. H.
Waling, J. L.
Yao, J. T. P.
Yoder, E. J.

Electrical Engineering:
Chen, C. L.
Coates, C. L.
Cooper, G. R.
El-Abiad, A. H.
Friedlaender, F. J.
Fu, King-sun
Fukunaga, K.
Geddes, L. A.
Gunshor, R. L.
Haas, V. B.
Hancock, J. C.
Hayt, W. H.
Huang, T. S.
Kashyap, R. L.
Koivo, A. J.
Krause, P. C.
Landgrebe, D. A.
Leon, B. J.
Lin, P. N.
Lindenlaub, J. C.
Luh, J. Y.-S.
McGillem, C. D.
Neudeck, G. W.
Newhouse, V. L.
Patrick, E. A.
Pierret, R. F.
Saridis, G. N.
Schwartz, R. J.
Silva, L. F.
Thompson, H. W.
Vest, R. W.
Weeks, W. L.
Wintz, P. A.

Freshman Engineering:
Boyle, T. A.
LeBold, W. K.
McDowell, R. W.
Smith, C. P.

Industrial Engineering:
Amrine, H. T.
Barany, J. W.
Barash, M. M.
Greene, J. H.
Leimkuhler, F. F.
Meier, W. L.
Moodie, C. L.
Pritsker, A. A. B.
Reed, R.
Salvendy, G.
Talavage, J. J.

Mechanical Engineering:
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Bergdolt, V. E.
Brown, C. L.
Citron, S. J.
Cohen, R.
Crocker, M. J.
DeWitt, D. P.
Fox, R. W.
Genin, J.
Goldschmidt, V. E.
Goodson, R. E.
Hall, A. S.
Hamilton, J. F.
Hillberry, B. M.
Hoffman, J. D.
Holowenko, A. R.
Incropera, F.
Koh, S. L.
L'Ecuyer, M. R.
Lefebvre, A. H.
Leidenfrost, W.
Liley, P. E.
McDonald, A. T.
Mellor, A. M.
Modrey, J.
Morse, F. B.
Osborn, J. R.
Quinn, B. E.
Sandgren, F.
Schiff, A. J.
Schoenhals, R. J.
Skifstad, J. G.
Soedel, W.
Spalding, A. R.
Spalding, D. B.
Stevenson, W. H.
Thompson, H. D.
Touloukian, Y. S.

Tree, D. R.
Viskanta, R.
Warner, C. F.

Materials Engineering:

Cost, J. R.
Dayanada, M. A.
Grace, R. E.
Hruska, S. J.
Liedl, G. L.
Sato, H.
Schuhmann, R.
Winchell, P. G.

Nuclear Engineering:

Bailey, R. E.
Hungerford, H. E.
Lykoudis, P. S.
Ott, K.
Powers, P. N.
Sesonske, A.
Theofanous, T. G.

School of Management:

Administrative Sciences:

King .D. C.
Sherwood, J. J.

Economics:

Carlson, J. A.
Carr, C. R.
Hendershott, P. H.
Horwich, G.
Hu, S. C.
Kadiyala, K. R.
Moore, J. C.
Papke, J. A.
Takayama, A.
Weidenaar, D. J.
Weiler, E. T.
Whinston, A. B.
Wiley, J. W.

Management:

Bass, F. M.
Carr, C. R.
Comiskey, E. E.
Cooper, A. C.
Day, J. S.
Hendershott, P. H.
Johnson, R. W.
King, D. C.
Lawrence, C.
Lewellen, W. G.
Pessemier, E. A.
Scaletta, P. J.
Schultz, R. L.
Sterner, F. M.
Tse, J. Y. D.
Ullmann, J. C.
Weiler, E. T.
Whinston, A. B.
Wright, G. P.

School of Pharmacy and Pharmacal Sciences:

Banker, G. S.
Belcastro, P. F.
Born, G.
Borowitz, J.
Cassady, J.
Chalmers, R. K.
Christian, J. E.
Evanson, R. V.
Floss, H. G.
Hem, S. L.
Kessler, W. V.
Kildsig, D. O.
Knevel, A. M.
McLaughlin, J. L.
Maickel, R. P.
Morre, D. J.
Peck, G.
Robbers, J. E.
Shaw, S. M.
Smolen, V. F.
Sperandio, G. J.
Tyler, V. E.
Yim, G. K.
Ziemer, P. L.

School of Humanities, Social Science and Education:

Creative Arts:

Beelke, R. G.
Dorn, C. M.
O'Connor, J. A.
Pounders, A. J.
Reed, R. B.
Stocking, C. M.
Vevers, A. M.

Audiology and Speech Sciences:

Daniloff, R.
Goldstein, D. P.
Lloyd, L. L.
Noll, J. D.
Ringel, R. L.
Shaffer, G. L.
Weinberg, B.

Communication:

Berg, D. M.
Kildahl, E. E.
Knapp, M.
Redding, W. C.
Stewart, C. J.
Trachtman, L. E.

Education:

Asher J. W.
DeVito, A.
Evans, W.
Feldhusen, J.
Georgeoff, P. J.
Herron, J. D.
Hicks, C. R.
Isaacson, L. E.
Johnson, R.
Kane, R.
Lamb, P. M.
Linden, K.
Lloyd, L. L.
Lowe, P. K.
McDaniel, E.
Nelson, J. M.
Nelson, N. J.
Nicholson, E.
Salen, G. P.
Shertzer, B. E.
Stone, S. C.
Wheatley, G.
Whitenack, C. I.

English:

Adler, J. H.
Bache, W. B.
Church. M.
DeVitis, A. A.
Eisinger, C. E.
Evans, W. H.
Goldstein, S. M.
Lauterbach, E. S.
Lawry, J. S.
Lazarus, A. L.
Light, M.
Lokke, V. L.
Neufeldt, L. N.
Reichard, H. M.
Stafford, W. T.
Stefanile, F. N.
Stuckey, W. J.
Thompson, G. R.
Voorhees, R. J.

History:

Berthrong, D. J.
Flaningam, M. L.
Forster, W. O.
Rothenberg, G. E.
Woodman, H. D.

Foreign Languages and Literature:

Chandler, A. A.
Marti de Cid, D.
Moelleken, W. W.
Ruiz-Ramon, F.
Schmidt, S. E.
Walther, D. H.
Whitby, W. M.

Philosophy:

Grabau. R. F.
McBride, W. L.
Rowe, W. L.
Schrag, C. O.

Physical Education, Health and Recreation Studies:

Annarino, A. A.
Hanson, D. L.
Ismail, A. H.
Lamb, D. R.
Smith, H. M.
Theobald, W. F.
Veenker, C. H.
Widule, C. J.

Political Science:

Caputo, D. A.
Hale, M. Q
Kofmehl, K. T.
Stegenga, J. A.
Theen, R. H. W.
Weinstein, M. A.

Psychological Sciences:

Baron, R. A.
Brown, D. R.
Byrne, D.
Capaldi, E. J.
Cicirelli, V. G.
Deaux, K.
Gruen, G. E.
Jacoby, J.
Linden, J. D.
Martin, W. E.
Myers, R. D.
Naylor, J. C.
Ottinger, D. R.
Rychlak, J. F.
Schonemann, P.
Sorkin, R. D.
Swensen, C. H.
Townsend, J. T.
Wasserman, G. W.
Wilms, J. H.
Winer, B. J.

Sociology and Anthropology:

Anderson, J.
Eichhorn, R. L.
Hirsch, W.
Kanin, E. J.
McGee, R. J.
Patchen, M.
Perrucci, R.
Waddell, J. O.

School of Science:

Biological Sciences:

Altman, J.
Arnott, S.
Aronson, A. I.
Chiscon, J. A.
Cramer, W. A.
Crane, F. L.
Dilley, R. A.
Gilham, P. T.
Golub, E. S.
Hartl, D. L.
Jaffe, L.
Lovett, J. S.
Morre, D. J.
Mortenson, L. E.
Moskowitz, M.
Myers, R. D.
Nakajima, S.
Nakajima, Y.
Pak, W. L.
Postlethwait, S. N.
Ray, W. J.

Rossman, M. G.
Simon, E. H.
Smith, L. D.
Tessman, I.
Umbarger, H. E.

Chemistry:

Angell, C. A.
Benkeser, R. A.
Brewster, J. H.
Daly, P. J.
Davenport, D. A.
Edgell, W. F.
Fong, F. K.
Grimley, R. T.
Herron, J. D.
Honig, J. M.
Kornblum, N.
Laskowski, M.
Light, A.
Lipschutz, M. E.
Livingston, R. L.
Margerum, D. W.
Morrison, H. A.
Mueller, C. R.
Muller, N.
Pardue, H. L.
Perone, S. P.
Porile, N. T.
Richardson, J. W.
Sneen, R. A.
Tobias, R. S.
Truce, W. E.
Walton, R. A.
Wolinsky, J.

Geosciences:

Agee, E. M.
Hinze, W. J.
Kullerud, G.
Levandowski, D. W.
Melhorn, W. N.
Meyer, H. O. A.

Mathematical Sciences:

Abhyankar, S.
Baouendi, M. S.
Baxter, G.
Becker, J. C.
Berkovitz, L. D.
Branges, Louis de
Brown, L. G.
Buchi, J. R.
Clark, A. H.
Cumberbatch, E.
Davis, B. J.
Drasin, D.
Fuller, W. R.
Gambill, R. A.
Gottlieb, D. H.
Haas, F.
Heinzer, W.
Holmes, R. B.
Hunt, R. A.
Jerison, M.
Kaplan, S.
Keedy, M. L.
Krabbe, G. L.
Lillo, J. C.
Lipman, J.
Mullikin, T. W.
Neugebauer, C.
Pollard, H.
Price, J. J.
Putnam, C. R.
Rubin, J.
Sawyer, S.
Schultz, R. E.
Silverman, E.
Thoe, D.
Thurber, J. K.
Wang, J. S. P.
Weitsman, A.
Weston, V. H.
Zachmanoglou, E. C.
Zink, R. E.

Physics:

Andrew, K. L.
Ascarelli, G.
Balazs, L. A. P.
Becker, W. M.
Belinfante, F. J.
Bray, R.
Capps, R. H.
Carmony, D. D.
Colella, R.
Fowler, E. C.
Furdyna, J. K.
Gartenhaus, S.
Gerritsen, A. N.
Grabowski, Z. W.
Gutay, L. J.
Johnson, O. E.
Johnson, V. A.
Keesom, P. H.
Kim, Y. E.
Kuo, T. K.
Loeffler, F. J.
McIlwain, R. L.
MacKay, J. W.
Mieher, R. L.
Miller, D. H.
Mullen, J. G.
Overhauser, A. W.
Palfrey, T. R.
Pearlman, N.
Prohofsky, E. W.
Ramdas, A. K.
Rodriguez, S.
Rosen, S. P.
Scharenberg, R. P.
Simms, P. C.
Sladek, R. J.
Steffen, R. M.
Sugawara, M.
Tendam, D. J.
Tubis, A.
Willmann, R. B.

Statistics:

Anderson, V. L.
Gleser, L. J.
Gupta, S. S.
Hicks, C. R.
Moore, D. S.
Pillai, K. C. S.
Puri, P. S.
Rubin, H.
Studden, W. J.
Yackel, J. W.

Computer Sciences:

Buchi, J. R.
Conte, S. D.
Denning, P. J.
Gautschi, W.
Halstead, M.
Rice, J. R.
Rosen, S.

School of Technology:

Applied Technology:

McNelly, G. W.

Aviation Technology:

Blatchley, E. R.
Duncan, W. P.
Maris, J. R.
Treager, I. E.

Building Construction:

Moss, D. D.

Electrical Engineering Technology:

Cheshier, S. R.
Hoeche, V. W.
Rainey, G. L.

General Studies:

Schwarz, R. F.
Smith, D. R.

Industrial Education:

Carrel, J. J.
Eddy, M.
Mason, W. H.
McVicker, H. E.
Neher, L. D.
Sams, D.
Suess, A. R.

Mechanical Engineering Technology:

Banton, H. L.
Pritchett, S. L.

Nursing:

Geddes, L. E.
Johnson, H. R.
Mack, D. O.
Stokes, E. R.

Supervision:

Bobillo, R. M.
Hull, T. F.
Windle, J. L.

Technology:

Lisack, J. P.

ROSE-HULMAN INSTITUTE OF TECHNOLOGY

5500 WABASH AVENUE,
TERRE HAUTE, INDIANA 47803
Founded 1874.

President: Dr. Samuel F. Hulbert.
Dean: D. F. Bruley.
Business Manager: R. T. Willets.
Registrar: L. W. Harmening.
Librarian: H. Cole, Jr. (Director of the Library).

The library contains 40,000 volumes.
Number of teachers: 70.
Number of students: 1,100.
Publication: *Bulletin* (bi-annually).

SAINT FRANCIS COLLEGE

2701 SPRING ST.,
FORT WAYNE, INDIANA 46808
Telephone: 432-3551.
Founded 1890.

President: Sister M. J. Scheetz.
Registrar: Sister M. Agnes.
Librarian: Sister M. Ida.

Number of teachers: 100.
Number of students: 1,211.

SAINT JOSEPH'S COLLEGE

RENSSELAER, INDIANA 47978
Telephone: (219) 866-7111.
Founded 1889.

President: Charles Banet.
Registrar: C. Robbins.
Librarian: R. Uigeant.

The library contains 120,000 vols.
Number of teachers: 72.
Number of students: 1,052.

SAINT MARY-OF-THE-WOODS COLLEGE

SAINT MARY-OF-THE-WOODS,
INDIANA 47876
Telephone: (812) 535-4141.
Founded 1840.

President: Sister JEANNE KNOERLE, S.P.

Vice-President for Academic Affairs: Sister RUTH EILEEN DWYER, S.P.

Registrar: Sister MARY MAGDALEN SCHWARTZ, S.P.

Dean of Admissions: SHARON ALGER.

Librarian: Sister EMILY WALSH.

The library contains 129,157 vols.

Number of teachers: 32 full-time, 44 part-time, total 76.

Number of students: 637.

SAINT MARY'S COLLEGE

NOTRE DAME, INDIANA 46556

Founded 1844.

President: Dr. JOHN M. DUGGAN.

Vice-President and Dean of Faculty: Dr. WILLIAM A. HICKEY.

Dean of Student Affairs: Dr. KATHLEEN M. RICE.

Controller: JASON D. LINDOWER, Jr.

Assistant to the President for College Relations: BRIAN C. REGAN.

The library contains 145,600 vols.

Number of students: 1,772.

Publications: *Courier, Saint Mary's Reports* (quarterly), *Blue Mantle, Chimes* (annually).

TAYLOR UNIVERSITY

UPLAND, INDIANA 46989

Telephone: (317) 998-2751.

Founded 1846.

Duration of academic year: September to May (three terms).

President: Dr. ROBERT C. BAPTISTA.

Director of Records: CARMEN TAYLOR.

Dean of Admissions: RONALD L. KELLER.

Librarian: Miss ALICE HOLCOMBE.

The library contains 123,000 vols.

Number of teachers: 83.

Number of students: 1,525.

Publications: *Profile, Taylor University Magazine, Taylor Club News.*

UNIVERSITY OF EVANSVILLE

P.O.B. 329,
EVANSVILLE, INDIANA 47702

Founded 1854.

President: Dr. WALLACE B. GRAVES.

Registrar: KENNETH H. JONES.

Vice-President for Academic Affairs: (vacant).

Vice-President for Student Affairs: THORNTON B. PATBERG.

Vice-President for Administration: Dr. FRANK S. MCKENNA.

Vice-President for Development: STEPHEN W. CAMP.

Director of Admissions: JOHN OBERHELMAN.

Number of teachers: 193, including 34 professors.

Number of students: 2,013 men, 2,893 women, total 4,906 (day and evening).

Publication: *The Crescent.*

DEANS:

College of Alternative Programs: Dr. LARRAINE R. MATUSAK.

College of Arts and Sciences: Dr. CHARLES M. EVANS.

School of Business Administration: Dr. GARY A. LYNCH.

School of Engineering: Dr. JOHN R. TOOLEY.

School of Nursing: Dr. LOIS J. MERRILL.

School of Education: Dr. ROBERT F. GARNETT.

College of Fine Arts: Dr. PATRICK D. MCDONOUGH.

School of Graduate Studies: Dr. EARL M. TAPLEY.

Learning Resources: Dr. DONALD W. LACOCK.

Students: NORINE KELLER.

UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA 46556

Telephone: (219) 283-6011.

Founded 1842.

President: Rev. THEODORE M. HESBURGH, C.S.C., S.T.D.

Executive Vice-President: Rev. E. P. JOYCE, C.S.C., C.P.A.

General Counsel: PHILIP J. FACCENDA, J.D.

Provost: O. TIMOTHY O'MEARA, PH.D.

Vice-President for Advanced Studies: ROBERT E. GORDON, PH.D.

Vice-President for Business Affairs: THOMAS J. MASON, M.B.A., C.P.A.

Vice-President for Student Affairs: Rev. JOHN L. VANWOLVLEAR, C.S.C., M.A.

Vice-President for Public Relations and Development: J. W. FRICK, PH.D.

Director of Admissions: JOHN T. GOLDRICK, M.A.

Registrar: RICHARD J. SULLIVAN, M.B.A.

Librarian: DAVID E. SPARKS, M.A.L.S.

Archivist: WENDY C. SCHLERETH, PH.D.

Library: *see* Libraries.

Number of teachers: 749.

Number of students: 8,750.

Publications: *The Scholastic, American Midland Naturalist, Review of Politics, Publications in Medieval Studies, Notre Dame Lawyer, Technical Review, The Juggler, Journal of Symbolic Logic, Notre Dame Student Business Review, The Observer, The Dome, Notre Dame Magazine, The American Journal of Jurisprudence, Notre Dame Report, The History Teacher, Science Quarterly, Texts and Studies in the History of Medieval Education.*

DEANS:

Freshman Year of Studies: EMIL T. HOFMAN, PH.D.

Faculty of Arts and Letters: ISABEL CHARLES, PH.D.

Faculty of Business Administration: Bro. LEO V. RYAN, C.S.V., PH.D.

Faculty of Engineering: J. C. HOGAN, PH.D.

Faculty of Law: DAVID T. LINK, J.D.

Faculty of Science: B. WALDMAN, PH.D.

Continuing Education: T. P. BERGIN, D.S.S.

Administration: L. M. CORBACI, M.A.

ATTACHED INSTITUTES:

Radiation Laboratory.

Lobund Laboratory (Microbiology).

Institute for International Studies.

Center for the Study of Man in Contemporary Society.

Urban Studies Institute.

VALPARAISO UNIVERSITY

VALPARAISO, INDIANA 46383

Telephone: (219) 462-5115.

Founded 1859.

President: Dr. R. V. SCHNABEL.

Registrar: P. THUNE.

Director of Admissions: WARREN MULLER.

Librarian: Dr. DANIEL GAHL.

The library contains 305,227 vols.

Number of teachers: 286.

Number of students: 4,484.

WABASH COLLEGE

CRAWFORDSVILLE,
INDIANA 47933

Telephone: (317) 362-1400.

Founded 1832.

President: THADDEUS SEYMOUR.

Registrar: THEODORE BEDRICK.

Librarian: D. E. THOMPSON.

The library contains 215,500 vols.

Number of teachers: 75.

Number of students: 820.

IOWA

BUENA VISTA COLLEGE

STORM LAKE, IOWA 50588

Telephone: (712) 749-2351.

Founded 1891.

President: KEITH G. BRISCOE.

Dean of Faculty: FREDERIC D. BROWN, PH.D.

The library contains 71,000 vols.

Number of teachers: 50.

Number of students: 1,068.

CENTRAL COLLEGE

PELLA, IOWA 50219

Telephone: (515) 628-4151.

Founded 1853.

President: K. J. WELLER.
Vice-President for Finance: R. FROELICH.
Academic Dean: H. KOLENBRANDER.
Librarian: D. NETZ.

The library contains 115,000 vols.

Number of students: 1,350.

Publications: *The Central Bulletin, The Central Ray, The Pelican.*

CLARKE COLLEGE

1550 CLARKE DRIVE,
DUBUQUE, IOWA 52001
Telephone: (319) 588-6300.
Founded 1843.

President: MENEVE DUNHAM, PH.D.
Academic Dean: Sister SHEILA O'BRIEN, B.V.M.
Dean of Students: Sister THERESE MACKIN, B.V.M.
Admissions Director: EDWIN J. REGER.
Registrar: Sister MARY EUGENA SULLIVAN, B.V.M.
Librarian: Sister KATHLEEN MULLIN, B.V.M.

The library contains 98,000 vols.

Number of teachers: 70.
Number of students: 650.

Publication: *On Campus* (quarterly).

COE COLLEGE

CEDAR RAPIDS, IOWA 52402
Telephone: (319) 398-1600.
Founded 1851.

President: LEO L. NUSSBAUM.
Registrar: JOHN JACKOBS.
Vice-President for Admissions and Student Services: A. G. MCIVOR.
Vice-President and Dean: J. PRESTON COLE.
Vice-President for Business Affairs: WERNER SNOW.
Vice-President for Development: PETER J. LAUGEN.
Librarian: FRED BORCHUK.

The library contains 132,000 vols.

Number of teachers: 80.
Number of students: 1,139.

Publications: *Courier* (quarterly), *Bulletin* (annually).

CORNELL COLLEGE

MOUNT VERNON, IOWA 52314
Telephone: (319) 895-8811.
Founded 1853.

President: Dr. PHILIP B. SECOR.
Dean of the College: Dr. ROBERT P. LEWIS.
Vice-President for Business Affairs and Treasurer: CHARLES M. COCHRAN.
Dean of Students: SUSAN G. CRIM.
Director of Library Services: STUART A. STIFFLER.

The library contains 160,000 vols.

Number of teachers: 75.
Number of students: 850.

DORDT COLLEGE

SIOUX CENTER, IOWA 51250
Telephone: (712) 722-3771.
Founded 1955.

President: Rev. B. J. HAAN.
Academic Dean: Dr. DOUGLAS RIBBENS.
Dean of Students: Rev. JOHN HULST.
Director of Admissions: HOWARD HALL.
Librarian: Miss HESTER HOLLAAR.

The library contains 80,000 vols.

Number of teachers: 65 full-time, 8 part-time.

Number of students: 1,175.

DRAKE UNIVERSITY

26TH ST. AND UNIVERSITY AVE.,
DES MOINES, IOWA 50311
Chartered 1881.
Telephone: (515) 271-2011.

Private control; Academic year: September to May (two terms).

President: W. C. MILLER, PH.D., LL.D.
Vice-President, Academic Administration: H. L. SMITH, M.A., PH.D.
Vice-President, Business and Finance: C. A. KASTEN, B.A., M.B.A.
Vice-President, Institutional Development: O. L. DAHL, M.S.
Vice-President, Student Affairs: D. V. ADAMS, M.A., ED.D.
Registrar: R. C. SCHEETZ.
Director of Institutional Research: (vacant).
Director of Libraries: W. A. STOPPEL, M.A., PH.D.

The library contains 415,000 vols. and 2,250 periodicals.

Number of teachers: 321 full-time, 61 part-time, total 382.

Number of students: 4,557 full-time, 2,180 part-time, total 6,737.

Publications: *Drake Law Review* (quarterly), *Impact*, *Drake Perspectives* (6 times a year).

DEANS:

Law School: J. D. SCARLETT, B.A., LL.B.
Continuing Education: P. D. LANGERMAN, M.S., PH.D.
Graduate School: E. L. CANFIELD, M.A., PH.D.
College of Business Administration: R. G. PEEBLER, M.A., C.P.A.
College of Education: A. SCHWARTZ, M.A., PH.D.
College of Fine Arts: P. J. JACKSON, M.M., PH.D.
School of Journalism: H. STRENTZ, M.A., PH.D.
College of Liberal Arts: CAROL J. GUARDO, M.A., PH.D.
College of Pharmacy: C. BOYD GRANBERG, M.S., PH.D.

GRACELAND COLLEGE

LAMONI, IOWA 50140
Telephone: 784-3311.
Founded 1895.

President: FRANKLIN S. HOUGH.
Vice-President for Academic Affairs and Dean of Faculty: PAUL M. EDWARDS.
Vice-President for Financial Affairs: RALPH E. WOUTERS.
Vice-President for Student Affairs: NEWELL R. YATES.
Registrar: J. T. CLOSSON.
Librarian: VOLANTE H. RUSSELL.

The library contains 86,000 vols.

Number of teachers: 88.
Number of students: 1,348.

GRINNELL COLLEGE

GRINNELL, IOWA 50112
Founded 1846.

President: A. RICHARD TURNER, M.F.A., PH.D.
Provost and Dean of the College: W. S. WALKER, M.A., PH.D.
Dean of Student Affairs: JAMES TEDERMAN.
Librarian: C. MCKEE, A.M.L.S.

Library of 250,000 vols.

Number of teachers: 139, including 42 professors.

Number of students: 690 men, 511 women, total 1,201.

IOWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY

AMES, IOWA 50011
Telephone: (515) 294-1840.
Founded 1858.

President: W. R. PARKS, PH.D.
Vice-President for Business and Finance: W. R. MOORE, B.S.
Vice-President for Academic Affairs: G. C. CHRISTENSEN, D.V.M., M.S., PH.D.
Vice-President for Information and Development: C. HAMILTON, B.S.
Vice-President for Research: D. J. ZAFFARANO, PH.D.
Vice-President for Student Affairs: THOMAS B. THIELEN, PH.D.

The library contains 1,257,792 vols. and 896,116 microforms.

Number of students: 13,941 men, 8,862 women, total 22,803.

Publications: *The Agriculturist, The Iowa Engineer, Outlook, Ethos, The Veterinary Student, Engineering Research, Iowa State Daily, Iowa State Journal of Research, Iowa Stater.*

DEANS:

Agriculture: LEE ROY KOLMER, PH.D.
Design: MICHAEL P. BROOKS, PH.D.
Education: V. S. LAGOMARCINO, PH.D.
Engineering: D. R. BOYLAN, JR., PH.D.
Graduate College: D. J. ZAFFARANO, PH.D.
Home Economics: RUTH E. DEACON, PH.D.
Sciences and Humanities: WALLACE A. RUSSELL, PH.D.

Veterinary Medicine: Phillip T. Pearson, Ph.D.
Admissions and Records: Fred C. Schlunz, M.A.
University Extension: Charles E. Donhowe, M.S.
Students: Jon C. Dalton, Ed.D.
Library Services: Warren B. Kuhn, M.L.S.

Professors:

College of Agriculture:

Amemiya, M., Ph.D., Agronomy
Anderson, I. C., M.S., Ph.D., Agronomy
Anderson, L. L., Ph.D., Animal Science
Atherly, A. G., Ph.D., Genetics
Atkins, R. E., Ph.D., Agronomy
Bachmann, R. W., Ph.D., Animal Ecology
Balinsky, J. B., Ph.D., Zoology
Baumel, P., Ph.D., Agricultural Economics
Bauske, R. J., Ph.D., Horticulture
Beer, C. E., Ph.D., Agricultural Engineering
Beitz, D. C., Ph.D., Animal Science, Biochemistry and Biophysics
Beneke, R. R., Ph.D., Agricultural Economics
Benson, G. O., Ph.D., Agronomy
Black, C. A., M.S., Ph.D., Agronomy
Blinn, E. G., M.S., Journalism and Mass Communication
Bockhop, C. W., M.S., Ph.D., Agricultural Engineering
Boehlje, M. D., Ph.D., Agricultural Economics
Bohlen, J. M., Ph.D., Sociology
Brackelsberg, P. O., Ph.D., Animal Science
Bratton, C. G., M.S., Journalism and Mass Communication
Bremner, J. M., Ph.D., Agronomy
Brown, G. N., D.F., Forestry
Browning, J. A., Ph.D., Plant Pathology
Buchele, W. F., M.S., Ph.D., Agricultural Engineering
Buck, G. J., Ph.D., Horticulture
Bulkey, R. V., Ph.D., Animal Ecology
Bultena, G. L., Ph.D., Sociology
Burris, J. S., Ph.D., Plant Pathology
Burroughs, W., Ph.D., Animal Science
Carlander, K. D., Ph.D., Animal Ecology
Carlson, I. T., Ph.D., Agronomy
Christian, L. L., Ph.D., Animal Science
Cott, A. E., M.S., Horticulture
Crawford, H. R., Ph.D., Agricultural Education and Secondary Education
Crom, R. I., Ph.D., Journalism and Mass Communication
Dahm, P. A., M.A., Ph.D., Entomology
Denisen, E. L., M.S., Ph.D., Horticulture
Disney, R. L., B.A., Journalism and Mass Communication
Donhowe, C. E., M.S., Extension
Dunleavy, J. M., Ph.D., Plant Pathology
Eastwood, B. R., Ph.D., Animal Science
Eggleton, L. Z., M.S., Animal Science
Eldridge, E. W., M.S., Ph.D., Economics
Epstein, A. H., Ph.D., Botany and Plant Pathology
Everson, L. E., Ph.D., Plant Pathology
Ewan, R. C., Ph.D., Animal Science
Ewing, S. A., Ph.D., Animal Science
Fehr, W. R., Ph.D., Agronomy
Fenton, T. E., Ph.D., Agronomy
Foreman, C. F., M.S., Ph.D., Animal Science
Freeman, A. E., M.S., Ph.D., Animal Science (Dairy Science)
Frey, K. J., Ph.D., Agronomy
Futrell, G. A., Ph.D., Agricultural Economics
Gauger, C. J., M.S., Extension Service
George, J. R., Ph.D., Agronomy
Giese, H., M.S.(A.E.), Arch.E., Agricultural Engineering
Gratto, C. P., Ph.D., Agricultural Economics
Graves, D. J., Ph.D., Biochemistry and Biophysics
Green, D. E., Ph.D., Agronomy
Guthrie, W. D., Ph.D., Entomology
Hall, C. V., Ph.D., Horticulture
Hamilton, C., B.S., Journalism and Mass Communication
Hammond, E. G., M.A., Ph.D., Food Technology
Hanway, J. J., M.S., Ph.D., Agronomy
Harl, N. E., Ph.D., Economics
Haynes, E. H., Ph.D., Animal Science
Hazen, T. E., M.S., Ph.D., Agricultural Engineering
Heady, E. O., M.S., Ph.D., Agricultural Economics
Hodges, C. F., Ph.D., Horticulture
Hoerner, T. A., Ph.D., Agricultural Engineering
Hopkins, F. S., Jr., Ph.D., Forestry
Hutchcroft, C. D., Ph.D., Agronomy
Hvistendahl, J. K., Ph.D., Journalism and Mass Communication
Imsande, J. D., Ph.D., Genetics-Biochemistry and Biophysics
Iverson, C. A., M.S., D.Sc., Food Technology
Jacobson, N. L., M.S., Ph.D., Animal Science, Dairy Science
James, S. C., Ph.D., Agricultural Economics
Johnson, H. P., M.S., Ph.D., Agricultural Engineering
Julius, M. G., Ph.D., Agricultural Economics
Jurgens, M. H., Ph.D., Animal Science
Kahan, R. S., Ph.D., Journalism and Mass Communication
Kaldor, D. R., Ph.D , Agricultural Economics
Kern, K. R., Ph.D., Information Service
Kiser, J. J., M.S., Animal Science
Kline, E. A., M.S., Ph.D., Animal Science
Klonglan, G., Ph.D., Sociology
Kolmer, L. R., Ph.D., Economics
Kraft, A. A., Ph.D., Food Technology
Kunerth, W. F., M.S., Journalism and Mass Communication
Ladd, G. W., M.A., Ph.D., Agricultural Economics
LaGrange, W. F., M.S., Animal Science
LaGrange, W. S., Ph.D., Food Technology
Lawrence, R. L., Ph.D., Education
Lewis, R. E., Ph.D., Entomology
Lovely, G., B.S., Agricultural Engineering
Lush, J. L., M.S., Ph.D., Animal Science
McClelland, J. B., M.S., Ph.D., Agricultural Education
McGilliard, A. D., Ph.D., Animal Science
McNabb, H. S., M.S., Ph.D., Plant Pathology
Mahlstede, J. P., Ph.D., Horticulture
Marion, W. W., Ph.D., Food Technology
Marley, S. J., Ph.D., Agricultural Engineering
Marvin, K. R., M.S., Journalism and Mass Communication
Melampy, R. M., M.A., Ph.D., Animal Science
Meyer, V. M., M.S., Agricultural Engineering
Mock, J. J., Ph.D., Agronomy
Moorman, R. B., Ph.D., Animal Ecology
Nichols, H. E., M.S., Horticulture
Nielsen, V. H., Ph.D., Food Technology
Nordskog, A. W., M.S., Ph.D., Animal Science
Norton, D. C., M.Sc., Ph.D., Plant Pathology
Nyvall, R. F., Ph.D., Botany and Plant Pathology
Oschwald, W. R., Ph.D., Extension
Owings, W. J., Ph.D., Animal Science
Parrish, F. C., Jr., Ph.D., Animal Science
Paulsen, A. A., Ph.D., Agricultural Economics
Pearce, R. B., Ph.D., Agronomy
Pedersen, J. H., M.S., Ph.D., Agricultural Engineering
Pedigo, L. P., Ph.D., Entomology
Pesek, J. T., Jr., Ph.D., Agronomy
Peterson, P. A., Ph.D., Agronomy
Pollak, E., Ph.D., Genetics
Powers, R. C., Ph.D., Rural Sociology
Prestemon, D. R., Ph.D., Forestry
Riecken, F. F., M.S., Ph.D., Agronomy
Robertson, D. S., Ph.D., Genetics
Robinson, J. L., M.S., Ph.D., Agronomy
Robson, R. M., Ph.D., Animal Science, Biochemistry and Biophysics
Roth, F. W., M.S., Agricultural Engineering
Rowley, W. A., Ph.D., Entomology
Russell, W. A., M.S., Ph.D., Agronomy
Rust, R. E., M.S., Animal Science
Schafer, J. W., Jr., Ph.D., Agronomy
Schaller, F. W., M.S., Ph.D., Agronomy
Scholtes, W. H., M.S., Ph.D., Agronomy
Schwartz, J. W., M.S., Journalism and Mass Communication
Scott, A. D., Ph.D., Agronomy
Scott, J. T., M.B.A., Ph.D., Agricultural Economics and Rural Sociology
Self, H. L., M.S., Ph.D., Animal Science
Sell, J. L., Ph.D., Animal Science
Shaw, R. H., Ph.D., Climatology
Shearer, P. S., M.S., Animal Science
Shelley, J. D., B.S., Journalism and Mass Communication
Shibles, R. M., Ph.D., Agronomy
Shrader, W. D., M.S., Ph.D., Agronomy
Skadberg, J. M., Ph.D., Economics
Skrdla, W. H., Ph.D., Agronomy
Snyder, H. E., Ph.D., Food Technology
Speer, V. C., M.S., Ph.D., Animal Science
Staniforth, D. W., M.Sc., Ph.D., Botany, Agronomy
Stevermer, E. J., Ph.D., Animal Science
Stockdale, H. J., Ph.D., Entomology
Stoneberg, E. G., M.S., Economics (Extension)
Stritzel, J. A., M.S., Ph.D., Agronomy
Stromer, M. H., Ph.D., Food Technology
Summerfelt, R. C., Ph.D., Animal Ecology
Tabatabai, M. A., Ph.D., Agronomy
Tait, J. L., Ph.D., Sociology and Anthropology
Taylor, H. M., Ph.D., Agronomy
Thomas, B. H., Ph.D., Biochemistry
Thompson, H. E., M.S., Ph.D., Agronomy
Thompson, L. M., M.S., Ph.D., Agronomy
Thomson, G. W., M.S., Ph.D., Forestry
Timmons, J. F., M.A., Ph.D., Agricultural Economics
Tipton, C. L., Ph.D., Biochemistry and Biophysics
Topel, D. G., Ph.D., Animal Science
Trenkle, A. H., Ph.D., Animal Science
Troeh, F. R., M.S., Agronomy
Van Fossen, L. D., M.Voc.Ed., Agricultural Engineering
Vetter, R. L., Ph.D., Animal Science
Voelker, D. E., M.S., Animal Science
Volz, E. C., M.S., Horticulture

Voss, R. D., ph.d., Agronomy
Walker, H. W., m.s., ph.d., Food Technology
Warner, D. R., ph.d., Animal Science
Webb, J. R., ph.d., Agronomy
Wedin, W. F., m.s., ph.d., Agronomy
Weigle, J. L., ph.d., Horticulture
Welshons, W. J., ph.d., Genetics
Wickersham, T. W., m.s., Animal Science
Willham, R. L., ph.d., Animal Science
Williams, D. L., d.ed., Agricultural Education, Secondary Education
Wisner, R. N., ph.d., Agricultural Economics
Woolley, D. G., m.s., ph.d., Agronomy
Young, J. W., ph.d., Animal Science
Zimmerman, D. R., ph.d., Animal Science
Zmolek, W. G., m.s., Animal Science

College of Design:
Barton, T. A., m.l.a., Landscape Architecture and Community Planning
Brooks, M. P., ph.d., Community and Regional Planning
Crites, R. D., b.a., Architecture
Danielson, D. R., m.s., Applied Art, Textiles and Clothing
Dyas, R. W., m.l.a., Landscape Architecture and Community Planning
Fenimore, R. D., m.s., Applied Art
Fitzsimmons, J. R., m.l.a., Landscape Architecture and Community Planning
Greenfield, S. R., m.arch., Architecture
Harvey, R. R., m.l.a., Landscape Architecture and Community Planning
Heemstra, H. C., m.arch., Architecture
Heggen, R. D., m.f.a., Applied Art
Held, S. E., m.s., Applied Art
Kainlauri, E. O., ph.d., Architecture
Kitzman, J. J., m.m.a., Architecture
Lane, K. F., m.l.a., Landscape Architecture and Community Planning
McKeown, D. I., m.s., Architecture
Meixner, Mary L., m.a., Applied Art, Home Economics Studies
Shank, W. I., m.a., Architecture
Sinatra, J. B., m.l.a., Landscape Architecture and Community Planning
Slater, B. J., m.s., Architecture
Sontag, J., ph.d., Applied Art
Stone, V. F., b.arch., Architecture

College of Education:
Ahmann, J. S., ph.d., Professional Studies
Beard, J. R., ed.d., Elementary Education
Boyles, N., ph.d., Secondary Education
Bryan, R. J., ph.d., Professional Studies Administration
Canute, R. J., ed.d., Professional Studies
Crawford, H. R., ph.d., Secondary Education
Dilts, H. E., ph.d., Secondary Education
Engel, R. A., ph.d., Professional Studies
Forker, B. E., ph.d., Physical Education
Frye, M. Virginia, ph.d., Physical Education
Gowan, A. M., ph.d., Professional Studies
Hiemstra, R., ph.d., Professional Studies
Hohl, G. W., ph.d., Professional Studies
Hopper, G. C., ed.d., Guidance and Counselling
Howe, T. G., ph.d., Professional Studies
Hunter, W. A., ph.d., Professional Studies
Jones, C. W., ph.d., Professional Studies
Kizer, G. A., ph.d., Professional Studies
Kniker, C. R., ed.d., Secondary Education
Lagomarcino, V., ph.d., Professional Studies
Manatt, R. P., ph.d., Professional Studies
Menze, L. E., b.s., Physical Education
Miller, W. G., ph.d., Industrial Education
Morgan, B., ph.d., Professional Studies
Netusil, A., ph.d., Professional Studies
Nichols, H. J., ph.d., Physical Education
Parks, G. A., ed.d., Industrial Education
Pellegreno, D. D., ed.d., Professional Studies
Schloerke, W. C., ed.d., Secondary Education
Schneider, L. R., m.s., Physical Education, Secondary Education
Sherick, A. M., m.s., Industrial Education
Smith, L. G., ph.d., Secondary Education
Toman, B., m.s., Physical Education
Volker, R. P., ph.d., Secondary Education
Wiener, M. O., m.s., Industrial Education
Wolansky, W., ed.d., Industrial Education

College of Engineering
Abraham, W. H., ph.d., Chemical Engineering
Anderson, D. A., ph.d., Aerospace Engineering
Arnold, L. K., m.s., ph.d., Chemical Engineering
Bahadur, S., ph.d., Mechanical Engineering
Baumann, E. R., m.s., ph.d., Civil Engineering
Bautista, R. G., ph.d., Chemical Engineering
Berard, M. F., ph.d., Materials Science and Engineering
Bergles, A. E., ph.d., Mechanical Engineering
Boylan, D. R., ph.d., Chemical Engineering
Brearley, H. C., ph.d., Electrical Engineering, Computer Science
Brewer, K. A., ph.d., Civil Engineering
Brodsky, R. F., ph.d., Aerospace Engineering
Brown, R. G., m.s., ph.d., Electrical Engineering
Burger, C. P., ph.d., Engineering Science and Mechanics
Burkhart, L. E., m.s., ph.d., Chemical Engineering
Burnett, G., Jr., m.s., ph.d., Nuclear Engineering
Camp, R. C., ph.d., Electrical Engineering
Carstens, R. L., ph.d., Civil Engineering
Cleasby, J. L., m.s., ph.d., Civil Engineering
Cook, W. J., ph.d., Mechanical Engineering
Cowles, H., m.s., ph.d., Industrial Engineering
Danofsky, R. A., ph.d., Nuclear Engineering
DeJong, P. S., m.s., Freshman Engineering
Demirel, T., ph.d., Civil Engineering
Dodd, C. M., cer.e., Materials Science and Engineering
Dougal, M. D., ph.d., Civil Engineering
Eide, A. R., ph.d., Freshman Engineering
Ekberg, C. E., m.s., ph.d., Civil Engineering
Fellinger, R. C., m.s., Engineering Science and Mechanics
Fouad, Abdel, ph.d., Electrical Engineering
Graham, F. M., ph.d., Engineering Science and Mechanics
Greer, R. T., ph.d., Engineering Science and Mechanics
Griffen, D. L., m.s., j.d., Industrial Engineering
Hale, H. W., m.s., ph.d., Electrical Engineering
Hall, J. L., ph.d., Mechanical Engineering
Handy, R. L., m.s., ph.d., Civil Engineering
Hardy, R. L., b.s.c.e., dr.-ing., Civil Engineering
Henkin, A., ph.d., Mechanical Engineering
Hillyard, L. R., m.s., Industrial Engineering
Hoover, J. M., m.s., Civil Engineering
Hsieh, H. C., ph.d., Electrical Engineering
Hsu, C. T., ph.d., Aerospace Engineering
Hunter, O., ph.d., Materials Science and Engineering
Iversen, J. D., ph.d., Aerospace Engineering
Jellinger, T. C., m.s., Civil Engineering
Jones, E. C., ph.d., Electrical Engineering
Junkhan, G. H., ph.d., Mechanical Engineering
Kavanagh, P., ph.d., Mechanical Engineering
Koerber, G. G., m.s., ph.d., Electrical Engineering
Kopplin, J. O., ph.d., Electrical Engineering
Larsen, W. L., ph.d., Materials Science and Engineering
Larson, J. L., Jr., m.s., Mechanical Engineering
Larson, M. A., m.s., ph.d., Chemical Engineering
Lee, Dah-Yinn, ph.d., Civil Engineering
Lohnes, R., ph.d., Civil Engineering
McConnell, K. G., ph.d., Engineering Science and Mechanics
McDaniel, T. J., ph.d., Aerospace Engineering
McGee, T. D., m.s., ph.d., Materials Science and Engineering
McRoberts, K. L., ph.d., Industrial Engineering
Mahmoud, A. A., ph.d., Electrical Engineering
Mashaw, L. H., b.s., Freshman Engineering
Michel, A. N., ph.d., Electrical Engineering
Mickle, J. L., ph.d., Civil Engineering
Mischke, C. R., m.s., ph.d., Mechanical Engineering
Montag, G. M., ph.d., Industrial Engineering
Moore, W. R., b.s., Industrial Engineering
Morgan, P. E., m.s., Civil Engineering
Nariboli, G. A., ph.d., Engineering Science and Mechanics
Nilsson, J. W., ph.d., Electrical Engineering
Okiiski, T. H., ph.d., Mechanical Engineering
Oulman, C. S., ph.d., Civil Engineering
Patterson, J. W., ph.d., Materials Science and Engineering

PATTERSON, R. E., B.S., Engineering Extension
PETERS, L. C., PH.D., Mechanical Engineering
PETERSON, P. W., PH.D., Engineering Research Institute
PIERSON, B. L., PH.D., Aerospace Engineering
PLETCHER, R. H., PH.D., Mechanical Engineering
POHM, A. V., PH.D., Electrical Engineering
POST, R. E., PH.D., Electrical Engineering
POTTER, A. G., PH.D., Electrical Engineering
PULSIFER, A. H., PH.D., Chemical Engineering and Nuclear Engineering
READ, A. A., PH.D., Electrical Engineering
RILEY, W. F., M.S., Engineering Science and Mechanics
RING, S. L., PH.D., Civil Engineering
ROBERTS, D. M., M.SC., PH.D., Nuclear Engineering
ROGGE, T. R., PH.D., Engineering Science and Mechanics
SANDERS, C. G., M.A., Freshman Engineering
SANDERS, W. W., PH.D., Civil Engineering
SCOTT, T. E., PH.D., Materials Science and Engineering
SEAGRAVE, R. C., PH.D., Chemical Engineering
SEROVY, G. K., PH.D., Mechanical Engineering
SMAY, T. A., PH.D., Electrical Engineering
SMITH, C. E., PH.D., Industrial Engineering
SMITH, G. W., M.S., PH.D., Industrial Engineering
SPANGLER, M. G., M.S., Civil Engineering
STEVENS, J. D., PH.D., Chemical Engineering
TAMASHUNAS, V., M.S., Industrial Engineering
TOWNSEND, C. L., PH.D., Electrical Engineering
TRISKA, C. J., PH.D., Electrical Engineering
TSAI, YU-MINN, PH.D., Engineering Science and Mechanics
VAUGHN, R. C., M.I.E., Industrial Engineering
VERHOEVEN, J., PH.D., Materials Science and Engineering
WEISS, H. J., D.SC., Engineering Science and Mechanics
WHEELOCK, T. D., PH.D., Chemical Engineering
WILDER, D. R., PH.D., Materials Science and Engineering
WILLETT, R. M., PH.D., Electrical Engineering
WILSON, L. N., PH.D., Aerospace Engineering
YOUNG, D. F., PH.D., Engineering Science and Mechanics
YOUNG, J. C., PH.D., Civil Engineering
ZINGG, R., PH.D., Electrical Engineering, Computer Science

College of Home Economics:

ANDERSON, J. M., M.S., Home Economics
ARNRICH, LOTTE, PH.D., Food and Nutrition
BEAVERS, I., PH.D., Home Economics Education
BIVENS, G. E., PH.D., Family Environment
BREWER, WILMA D., M.S., PH.D., Food and Nutrition
CLARK, S. G., PH.D., Child Development
COULSON, R. W., PH.D., Child Development
DEACON, RUTH, PH.D., Family Environment
DUPONT, JACQUELINE, PH.D., Food and Nutrition
ELLIOTT, E. A., PH.D., Home Economics Education
GARCIA, P. A., PH.D., Food and Nutrition
HATHCOCK, J. N., PH.D., Food and Nutrition
HELTSLEY, M. E., PH.D., Family Environment
HILTON, HELEN R., PH.D., Home Economics
HUEPENBECKER, A. L., PH.D., Textiles and Clothing
HUGHES, R. P., PH.D., Home Economics Education, Secondary Education
MCKINLEY, MARJORIE M., M.A., PH.D., Institution Management
OSMAN, E. M., PH.D., Food and Nutrition
PEASE, DAMARIS, M.S., PH.D., Child Development
PEET, LOUISE J., M.A., PH.D., Family Environment
PICKETT, MARY S., PH.D., Family Environment
RODERUCK, CHARLOTTE E., M.S., PH.D., Food and Nutrition
SCHWIEDER, E. W., PH.D., Family Environment
WARNING, MARGARET, C., M.A., PH.D., Textiles and Clothing
WINAKOR, THORA G., M.S., PH.D., Textiles and Clothing

College of Sciences and Humanities:

ABIAN, A., M.S., PH.D., Mathematics
ALLEN, E. S., PH.D., Mathematics
ANGELICI, R. J., PH.D., Chemistry
APPLEQUIST, J. B., PH.D., Biochemistry-Biophysics
APT, L. J., PH.D., History
ARNOLD, B. C., PH.D., Mathematics, Statistics
ARTHUR, I. W., M.S., PH.D., Economics
AVANT, L. L., PH.D., Psychology
BALINSKY, J., PH.D., Zoology
BARNES, R. G., M.A., PH.D., Physics
BARNES, W. E., S.M., PH.D., Mathematics
BARTON, T. J., PH.D., Chemistry
BATH, J. A., PH.D., Psychology and Secondary Education
BENSON, D. R., M.A., PH.D., English
BERARD, M. F., PH.D., Materials Science and Engineering
BERNARD, R. W., PH.D., Foreign Languages and Literatures
BIGGS, D. L., M.A., PH.D., Earth Science
BLEYLE, C. O., PH.D., Music
BOLES, D. E., PH.D., Political Science
BOWEN, C. C., PH.D., Botany
BOWEN, G. H., PH.D., Physics
BRANDT, F. E., M.S., Speech
BROWN, D. W., M.B.A., Industrial Administration
BROWN, F. G., PH.D., Psychology, Secondary Education
BROWN, G. G., PH.D., Zoology
BRUNER, D. K., A.M., PH.D., English
BURKHALTER, N. L., M.M., PH.D., Music, Secondary Education
BUTTREY, B. W., M.S., PH.D., Zoology
CARLSON, B. C., M.A., PH.D., Physics and Mathematics
CARLSON, O. N., PH.D., Materials Science and Engineering
CHARLES, D. C., PH.D., Psychology and Secondary Education
CHEN, C. W., PH.D., Materials Science and Engineering
CLEM, J. R., PH.D., Physics
COHEN, H., PH.D., Sociology
COLWELL, P., PH.D., Mathematics
CORBETT, J. D., PH.D., Chemistry
CORNETTE, J. L., PH.D., Mathematics
COX, C. P., M.A., Statistics
COX, D. F., PH.D., Statistics
DAHIYA, R. S., PH.D., Mathematics
DANIELSON, G. C., M.A., PH.D., Physics
DAVID, H. A., PH.D., Statistics
DAVID, H. T., M.A., PH.D., Statistics and Industrial Engineering
DAVIES, P. G., PH.D., English
DEAN, D. G., PH.D., Sociology
DEAN, N. W., PH.D., Physics
DEARIN, R., PH.D., Speech
DICKSON, S. E., PH.D., Mathematics
DIEHL, H., PH.D., Chemistry
DODD, J. D., M.S., PH.D., Botany
DREXLER, M. B., PH.D., Speech
DUNHAM, J., PH.D., Zoology
DURAND, D. P., PH.D., Bacteriology
EDWARDS, D. C., PH.D., Psychology
ESPENSON, J. H., PH.D., Chemistry
FADEN, A. M., PH.D., Economics
FASSELL, V. A., PH.D., Chemistry
FEINBERG, L., PH.D., English
FINK, A., PH.D., Mathematics
FINNEMORE, D., PH.D., Physics
FLETCHER, L. B., PH.D., Economics
FOX, K. A., M.A., PH.D., Economics
FRANZEN, H. F., PH.D., Chemistry
FRAZER, R. L., M.A., Military Science and Tactics
FRENCH, D., D.SC., PH.D., Biochemistry, Biophysics
FRINK, O., PH.D., Foreign Languages and Literatures
FRITZ, J. S., PH.D., Chemistry
FROMM, H. J., PH.D., Biochemistry
FUCHS, R., PH.D., Physics
FULLER, W. A., M.S., PH.D., Statistics
GALEJS, J. E., M.A., Library
GEIGER, L. G., PH.D., History
GERSTEIN, B. C., PH.D., Chemistry
GHOSH, MALAY, PH.D., Statistics
GILMAN, H., PH.D., Chemistry
GRADWOHL, D. M., PH.D., Sociology and Anthropology
GROENEVELD, R. A., PH.D., Statistics
GROSSMAN, A. S., PH.D., Physics
GSCHNEIDNER, K. A., PH.D., Materials Science and Engineering
HADWIGER, D. F., PH.D., Political Science
HAGGARD, F. E., PH.D., English
HAMMER, C. L., PH.D., Physics
HAN, C.-P., PH.D., Statistics
HANDY, C. B., PH.D., Industrial Administration
HANNUM, T. E., PH.D., Psychology
HANSEN, R. S., PH.D., Chemistry
HARTMAN, P. A., M.S., PH.D., Bacteriology
HARVILLE, D. A., PH.D., Statistics
HAUPT, R. E., M.S., PH.D., Zoology
HERRNSTADT, R. L., M.S., PH.D., English
HICKMAN, R. D., PH.D., Statistics
HICKS, E. A., PH.D., Zoology
HOFFMAN, D. K., PH.D., Chemistry
HINZ, P. N., PH.D., Statistics and Forestry
HODGES, L. R., PH.D., Physics
HOLDREN, B. R., PH.D., Economics
HOLT, J. G., PH.D., Bacteriology
HOMER, R. H., PH.D., Mathematics
HOOVER, L. L., PH.D., Industrial Administration
HORNER, H. T., JR., PH.D., Botany
HOROWITZ, J., PH.D., Biochemistry and Biophysics
HOTCHKISS, D., PH.D., Statistics
HOYT, ELIZABETH E., PH.D., Economics
HUNTER, O., PH.D., Materials Science and Engineering
HUNTRESS, K. G., M.A., PH.D., English
HUNTSBERGER, D. V., M.S., PH.D., Statistics

Hussey, K. M., M.S., PH.D., Earth Science
Hutton, W., Jr., PH.D., Chemistry
Isaacson, D. I., PH.D., Statistics and Mathematics
Isely, D., M.S., PH.D., Botany
Jacobson, R. A., PH.D., Chemistry
Johnson, Q. C., PH.D., English
Jumper, W. C., M.A., PH.D., English and Speech
Kahn, A. S., PH.D., Psychology
Karas, G. G., M.S., PH.D., Psychology
Keith, P. M., PH.D., Sociology and Anthropology, Professional Studies
Keller, R. F., PH.D., Mathematics, Computer Science
Kempthorne, O., M.A., SC.D., Statistics
Kennedy, W. J., PH.D., Statistics
Kernan, W. J., PH.D., Physics
Kihl, Y. W., PH.D., Political Science
Klemke, E. D., PH.D., Philosophy
Kliewer, K. L., PH.D., Physics
Knaphus, G., PH.D., Botany and Plant Pathology, Secondary Education
Kottman, R. N., PH.D., History
Kratochvil, M. R., A.M., English and Secondary Education
Kuhn, W. B., M.L.S., Library
Lacasa, Judith A., PH.D., Foreign Languages and Literatures
Lamb, R. C., PH.D., Physics
Lambert, R. J., M.S., PH.D., Mathematics
Landers, R. Q., PH.D., Botany and Plant Pathology
Lassila, K. E., PH.D., Physics
Layton, W. L., PH.D., Psychology
Legvold, S., PH.D., Physics
Lemish, J., PH.D., Earth Science
Lersten, N. R., PH.D., Botany, Plant Pathology
Lewis, E. C., M.A., PH.D., Psychology
Liu, S. H., M.S., PH.D., Physics
Lockhart, W. R., PH.D., Bacteriology
Loudenback, Lynn J., PH.D., Industrial Administration
Lowitt, R., PH.D., History
Lowrie, J. A., PH.D., English
Luckett, D. G., M.A., PH.D., Economics
Lynch, D. W., M.S., PH.D., Physics
McCarley, R. F., PH.D., Chemistry
McNee, J. C., A.M.L.S., Library
McVicker, C. D., M.A., PH.D., Foreign Languages and Literatures
Maple, C. G., M.A., D.SC., Mathematics and Computer Science
Martin, D. S., PH.D., Chemistry
Mathews, J. C., PH.D., Mathematics
Meeden, G. D., PH.D., Statistics
Menne, J. W., PH.D., Psychology
Merrill, W. C., PH.D., Economics
Metzler, D. E., PH.D., Biochemistry
Meyer, C. W., M.A., PH.D., Economics
Miller, R. K., PH.D., Mathematics
Morris, W. D., PH.D., Foreign Languages and Literatures
Mulford, C. L., PH.D., Sociology
Mutchmor, J., PH.D., Zoology
Nevins, D., PH.D., Botany and Plant Pathology
Nordlie, B. E., PH.D., Earth Science
Olorunsola, V. A., PH.D., Political Science
Olson, J. A., PH.D., Biochemistry and Biophysics
Palmer, R. C., A.M., PH.D., English
Parks, W. R., M.A., PH.D., Political Science
Pattee, P. A., PH.D., Bacteriology
Peglar, G. W., S.M., PH.D., Mathematics
Peters, R. H., PH.D., Psychology
Peterson, D., PH.D., Materials Science and Engineering
Pohl, R. W., PH.D., Botany
Pollak, E., PH.D., Statistics
Powell, J. E., PH.D., Chemistry
Powers, E. A., PH.D., Sociology and Anthropology
Prescott, J. R., PH.D., Economics
Pursey, D. L., B.S., PH.D., Physics
Quinn, L. Y., PH.D., Bacteriology
Rasmussen, J., PH.D., Political Science, Secondary Education
Redmond, J. R., PH.D., Zoology
Ruedenberg, K., PH.D., Chemistry
Russell, G. A., M.S., PH.D., Chemistry
Russell, W. A., PH.D., Psychology
Sanderson, D. E., M.S., PH.D., Mathematics
Schuster, D. H., PH.D., Psychology
Seifert, G., PH.D., Mathematics
Seifert, K. E., PH.D., Earth Science
Shadle, H. L., PH.D., Industrial Administration
Shewchuk, W. M., M.S., Naval Science and Tactics
Small, G. J., PH.D., Chemistry
Smith, F. G., PH.D., Botany and Plant Pathology
Smith, J. F., PH.D., Materials Science and Engineering
Sposito, V. A., PH.D., Statistics
Stanford, J. L., PH.D., Physics
Starleaf, D. R., PH.D., Economics
Steiner, A., PH.D., Mathematics
Steiner, E. F., PH.D., Mathematics
Stephenson J. A., PH.D., Economics
Stewart, C. R., PH.D., Botany and Plant Pathology
Stewart, R. M., PH.D., Computer Science
Strahan, R. F., PH.D., Statistics and Psychology
Strand, R. F., M.S., Air Force Aerospace Studies
Sukhatme, B., PH.D., Statistics
Svec, H. J., PH.D., Chemistry
Swenson, C. A., PH.D., Physics
Swift, A. G., PH.D., Music
Talbot, R. B., PH.D., Political Science
Thomas, R. W., PH.D., Economics
Thompson, W. H., M.S., PH.D., Industrial Administration
Tiffany, L. H., M.S., PH.D., Botany and Plant Pathology
Trahanovsky, W. S., PH.D., Chemistry
Trivedi, R. K., PH.D., Materials Science and Engineering
Turnage, T. W., PH.D., Psychology
Ulmer, M. J., PH.D., Zoology
Underhill, W. R., PH.D., Speech
Van Iten, R. J., PH.D., Philosophy
Vandewetering, H., PH.D., Economics
Verkade, J. G., PH.D., Chemistry
Vinograde, B., PH.D., Mathematics
Voigt, A. F., M.A., PH.D., Chemistry
Vondra, C. F., PH.D., Earth Science
Warman, R. E., PH.D., Psychology
Warren, R. D., PH.D., Sociology and Anthropology, Statistics
Wechsler, M., PH.D., Materials Science and Engineering
White, G. C., PH.D., Music
Wiggins, C. W., PH.D., Political Science
Wildman, R. B., PH.D., Botany and Plant Pathology
Wildman, W. C., PH.D., Chemistry
Williams, F. D., PH.D., Bacteriology
Williams, S. A., PH.D., Physics
Wilson, G. P., M.A., PH.D., Speech
Wolins, L., M.A., PH.D., Psychology and Statistics
Wright, F. M., M.S., PH.D., Mathematics
Yates, N. W., M.A., PH.D., English
Yates, S. M., PH.D., Library
Zaffarano, D. J., PH.D., Physics
Zbaracki, R. J., PH.D., English, Secondary Education
Zober, M., LITT.M., PH.D., Industrial Administration
Zytowski, D., ED.D., Psychology

College of Veterinary Medicine:

Ahrens, F. A., PH.D., Veterinary Anatomy, Pharmacology, Physiology
Baker, D. L., D.V.M., Veterinary Clinical Sciences
Beran, G., PH.D., Veterinary Microbiology and Preventive Medicine
Carithers, J. R., PH.D., Veterinary Anatomy, Pharmacology and Physiology
Cholvin, N. R., M.S., PH.D., Veterinary Anatomy, Physiology and Pharmacology
Christensen, G. C., PH.D., Veterinary Anatomy, Pharmacology and Physiology
Clark, T. L., D.V.M., Veterinary Clinical Sciences
Dellmann, S. D., PH.D., Veterinary Anatomy, Pharmacology and Physiology
De Young, D. W., PH.D., Veterinary Clinical Sciences
Dyer, D. C., PH.D., Veterinary Anatomy, Pharmacology, Physiology
Engen, R. L., PH.D., Veterinary Anatomy, Physiology and Pharmacology
Evans, L. E., PH.D., Veterinary Clinical Sciences
Flatt, R., PH.D., Veterinary Pathology
Ghoshal, N. G., PH.D., Veterinary Anatomy, Physiology and Pharmacology
Glock, R. D., PH.D., Veterinary Pathology
Gough, P. M., PH.D., Veterinary Microbiology and Preventive Medicine
Graham, D. L., PH.D., Veterinary Pathology
Greve, J., PH.D., Veterinary Pathology
Grier, R. L., PH.D., Veterinary Clinical Sciences
Harris, D. L., PH.D., Veterinary Microbiology, Preventive Medicine
Hembrough, F. B., PH.D., Veterinary Anatomy, Physiology and Pharmacology
Herrick, J. B., M.S., Veterinary Clinical Sciences
Hofstad, M. S., D.V.M., PH.D., Veterinary Microbiology
Hogle, R. M., D.V.M., Veterinary Microbiology and Preventive Medicine
Jeska, E. L., PH.D., Veterinary Pathology
Kaeberle, M. L., D.V.M., M.S., Veterinary Microbiology
Kemp, R. L., D.V.M., PH.D., Veterinary Pathology
Kluge, J. P., D.V.M., PH.D., Veterinary Pathology
Kunesh, J. P., PH.D., Veterinary Clinical Sciences
Ledet, A. E., PH.D., Veterinary Pathology
Lloyd, W. E., P.H.D, Veterinary Pathology
Lundvall, R. L., M.S., Veterinary Clinical Sciences
Magilton, J. H., PH.D., Veterinary Anatomy, Physiology and Pharmacology
Nelson, C. L., D.V.M., Veterinary Microbiology and Preventive Medicine
Packer, R. A., PH.D., Veterinary Microbiology
Pearson, P. T., D.V.M., PH.D., Veterinary Clinical Sciences
Ramsey, F. K., M.S., PH.D., Veterinary Pathology
Randic, M., PH.D., Veterinary Anatomy, Pharmacology, Physiology
Reece, W. O., PH.D., Veterinary Anatomy, Physiology and Pharmacology

Ross, R. F., Ph.D., Research Institute
Schwarte, L. H., M.S., Ph.D., Veterinary Pathology
Seaton, V. A., D.V.M., Veterinary Pathology
Swenson, M. J., D.V.M., Ph.D., Veterinary Anatomy, Physiology and Pharmacology
Switzer, W. P., D.V.M., Ph.D., Veterinary Microbiology
Van Meter, W. G., Ph.D., Veterinary Anatomy, Pharmacology, Physiology
Wass, W. M., D.V.M., Ph.D., Veterinary Clinical Sciences
Woode, G., B.V.Med., Veterinary Microbiology
Zimmermann, W. J., Ph.D., Veterinary Pathology

Attached Research Institutes:

Agriculture and Home Economics Experiment Station: Dir. Lee R. Kolmer.

Center for Agricultural and Rural Development: Dir. Earl O. Heady.

Center for Industrial Research and Service: Dir. David H. Swanson.

Computation Center: Dir. Clair G. Maple.

Energy and Mineral Resources Research Institute: Dir. Robert S. Hansen.

Engineering Research Institute: Dir. Paul W. Peterson.

Home Economics Research Institute: Dir. Ruth E. Deacon.

Industrial Relations Center: Dir. Paul M. Muchinsky.

Research Institute for Studies in Education: Dir. William A. Hunter (acting).

Science and Humanities Research Institute: Dir. Wallace A. Russell.

Statistical Laboratory: Dir. Herbert A. David.

Veterinary Medical Diagnostic Laboratory: Dir. Vaughn A. Seaton.

Veterinary Medical Research Institute: Dir. Phillip T. Pearson.

Water Resources Research Institute: Dir. Merwin A. Dougal.

World Food Institute: Dir. Charlotte E. Roderuck.

IOWA WESLEYAN COLLEGE

MOUNT PLEASANT, IOWA 52641
Telephone: 385-8021.
Founded 1842.

President: Louis A. Haselmayer.
Director of Admissions: John G. Nelson.
Registrar: Edward Kropa.
Director of Library Services: Alan Doolittle.

The library contains 86,121 vols.

Number of teachers: 51.
Number of students: 600.

LORAS COLLEGE

1450 ALTA VISTA,
DUBUQUE, IOWA 52001
Telephone: (319) 588-7100.
Founded 1839.

President: Pasquale di Pasquale, Jr., Ph.D.
Registrar: G. B. Noonan.
Librarian: R. Klein.

The library contains 228,400 vols.

Number of teachers: 94.
Number of students: 1,638.

LUTHER COLLEGE

DECORAH, IOWA 52101
Telephone: (319) 387-2000.
Founded 1861.

President: E. D. Farwell.
Registrar: Wilfred F. Bunge.
Librarian: Leigh Jordahl.

The library contains 238,600 vols.

Number of teachers: 150.
Number of students: 1,971.

MARYCREST COLLEGE

1607 WEST 12TH STREET,
DAVENPORT, IOWA 52804
Telephone: 326-9512.
Founded 1939.

President: Dr. Ron Van Ryswyk.
Registrar: Mrs. Elizabeth Shore.
Librarian: Sister Joan Sheil, C.H.M.

The library contains 89,000 vols.

Number of teachers: 95.
Number of students: 1,008.

MORNINGSIDE COLLEGE

1501 MORNINGSIDE AVENUE,
SIOUX CITY, IOWA 51106
Telephone: 277-5821.
Founded 1893.

President: Thomas S. Thompson.
Registrar: Mrs. Patricia Klatt.
Director of Admissions: C. Croston.
Director of Library: Charles Le Master.

The library contains 118,000 vols.

Number of teachers: 73
Number of students: 1,559.

MOUNT MERCY COLLEGE

1330 ELMHURST DRIVE N.E.,
CEDAR RAPIDS, IOWA 52402
Telephone: (319) 363-8213.
Founded 1928.

President: Dr. Thomas R. Feld.
Registrar: Sister Mary Michaeline Meehan.
Librarian: L. Racheal Davis.

The library contains 60,879 vols.

Number of teachers: 90.
Number of students: 912.

NORTHWESTERN COLLEGE

ORANGE CITY, IOWA 51041
Telephone: 737-4821.
Founded 1882.

President: H. Virgil Rowenhorst.
Academic Dean: Friedhelm Radandt.
Director of Admissions: Ron de Jong.
Director of Development: Robert Wallinga.
Director of Church Relations: John DeWild.
Director of Financial Aid: R. Simmelink.
Dean of Student Affairs: Arthur DeHoogh.
Registrar: Harold Vander Laan.
Business Manager: Paul Muyskens.
Librarian: A. Hielkema.

The library contains 61,640 volumes.

Number of teachers: 47.
Number of students: 755.

ST. AMBROSE COLLEGE

518 WEST LOCUST ST.,
DAVENPORT, IOWA 52803
Telephone: (319) 324-1681.
Founded 1882.

President: Dr. William J. Bakrow.
Vice-President for Academic Affairs: Donald J. Moeller.
Provost, Long Range Planning: Rev. F. J. McMahan.
Admissions Director: J. Timothy Barry.
Librarian: Corinne Potter.

The library contains 100,000 vols.

Number of teachers: 121.
Number of students: 1,613.

Publications: *Ambrose Scene* (quarterly), *Paper S.A.C.* (weekly), *Oaks* (Year Book).

SIMPSON COLLEGE

INDIANOLA, IOWA 50125
Founded 1860.

President: R. B. Lancaster.
Vice-President and Dean of Academic Affairs: R. Melvin Henderson.
Librarian: J. Christopher.

The library contains 98,700 vols.

Number of teachers: 65.
Number of students: 863.

Publications: *Simpson Scene* (quarterly), *Simpson Alumnus* (5 a year), *Bulletin* (annually).

UNIVERSITY OF DUBUQUE

2050 UNIVERSITY AVE.,
DUBUQUE, IOWA 52001
Telephone: (319) 557-2121.
Founded 1852.

President: W. F. Peterson.
Dean of the College of Liberal Arts: John F. Burhorn, Jr.

Director of Student Services, College: C. Bunting.

Dean of the Theological Seminary: Dr. Kenneth R. Mitchell.

College Librarian: K. Pease.

Seminary Librarian: F. Chenery.

The College library contains 65,000 vols. and periodicals.

The Seminary library contains 120,467 vols. and periodicals.

Number of students: 950.

UNIVERSITY OF IOWA

IOWA CITY, IOWA 52242
Telephone: (319) 353-2121.
Founded 1847.

State control; Academic year: August to May (two terms and summer session).

President: Willard L. Boyd, Jr., LL.M., S.J.D.

Vice-President for Student Affairs and Dean for Academic Affairs: P. G. Hubbard, M.S., PH.D.

Vice-President for Academic Affairs and Dean of the Faculties: May Brodbeck, M.A., PH.D.

Vice-President for Finance and University Services: Edward H. Jennings, PH.D.

Vice-President for Administrative Services: W. Shanhouse, B.S.

Vice-President for Educational Development and Research: D. C. Spriestersbach, M.A., PH.D.

Treasurer: R. B. Mossman, B.S.C.

Registrar: W. A. Cox, M.S.

Admissions: John E. Moore, M.A.

Continuing Education: R. F. Ray, M.A., PH.D.

Students: M. L. Huit, M.A.

Dean of Library Administration: L. W. Dunlap, M.A., B.S.L.S., PH.D.

Number of teachers: 1,231 full-time, 1,270 part-time.

Number of students: 12,667 men, 9,726 women, total 22,393.

Deans:

Liberal Arts: Howard Laster.
Law: N. William Hines, LL.B.
Medicine: John W. Eckstein.
Dentistry: James H. McLeran.
Pharmacy: Dale E. Wurster, PH.D.
Graduate: D. C. Spriestersbach, M.A., PH.D.
Engineering: Robert G. Hering, PH.D
Education: H. R. Jones, M.A., PH.D.
Busiuess Administration: B. L. Barnes, M.B A., PH.D., C.P.A.
Nursing: Evelyn C. Barritt, PH.D.
Advanced Studies: Rudolph W. Schulz, PH.D.

Professors:

College of Business Administration:

Barnard, J., PH.D., Economics
Barnes, B. L., M.B.A., PH.D., C.P.A., Accounting
Baumback, C. M., Business Administration
Constantino, A., M.A., PH.D., Business Administration
Dent, W. T., PH.D., Economics
Harlow, J. S., B.A., LL.B., Business Administration
Jennings, E. H., PH.D., Business Administration
Jeffers, J. R., PH.D., Economics
Kallaus, N. F., M.A., PH.D., Business Education
Kinney, W. S., PH.D., Accounting
Klasson, R., M.B.A., D.B.A., Business Administration
Kovarsky, I., M.A., PH.D., LL.M., Business Administration
Krause, W., M.A., PH.D., Economics
Marberry, C. E., M.A., PH.D., Business Administration
Morgan, C. A., M.A., PH.D., Economics
Nordquist, G. L., Economics
Pogue, T. F., M.S., PH.D., Economics
Schaefer, H., PH.D., Accounting
Shoderbek, P. P., M.S., PH.D., Business Administration
Siebert, C. D., PH.D., Economics
Sinicropi, A. V., PH.D., Business Administration
Smith, J. H., PH.D., Accounting
Soldofsky, R. M., M.A., PH.D., Business Administration
Stevenson, R. A., PH.D., Business Administration
Vaughan, E. J., M.A., PH.D., Business Administration
Wu, Shih-Yen, Economics

College of Dentistry:

Andreasen, G. F., D.O.C., M.S.D., Orthodontics
Appleby, R. C., D.D.S., M.S., Prosthetics
Bishara, S. E., B.D.S., M.A., Orthodontics
Bjorndal, A. M., D.D.S., M.S., Dentistry, Endodontics
Casho, J., D.D.S., M.S., Orthodontics
Chan, K. C., D.D.S., M.S., Operative
Deneky, G., D.D.S., Operative
Full, C. A., D.D.S., M.S., Pedodontics
Hale, M. L., D.D.S., M.S., Oral Surgery
Jacobs, R. M., D.D.S., M.P.H., PH.D., M.S., Orthodontics
Johnson, W. W., D.D.S., Operative Dentistry
Karlsson, U. L., PH.D., M.D., Pedodontics
Khowassah, M., D.D.S., M.S., Operative Dentistry
Killip, D. E., D.D.S., M.S.
Kremenak, C. R., D.D.S., M.S., Orthodontics
Lainson, P. A., D.D.S., M.S., Periodontology
Lilly, G. E., D.D.S., M.S., Oral Pathology
MacKenzie, I. C., D.D.S., PH.D., Periodontics
McLeran, J. H., D.D.S., M.S., Oral Surgery
Nowak, A. J., D.M.D., Pedodontics
Osbon, D. B., D.D.S., Oral Surgery
Parkins, F. M., M.S.D., PH.D., Pedodontics
Phair, W. P., D.D.S., M.P.H.
Sabiston, C. B., PH.D., Periodontics
Silverstone, L. M., D.D.SC., Pedodontics
Svare, C. W., PH.D., Prosthodontics
Tade, W. H., D.D.S., M.S., PH.D., Oral Pathology
Thayer, K. E., D.D.S., M.S., Fixed Prosthodontics
Wei, S., M.S., D.D.S., Pedodontics
Zach, G. A., M.S., Oral Surgery

College of Education:

Bagford, J., M.ED.
Belding, R. E., M.ED., PH.D.
Beltramo, Louise, M.A., PH.D.
Blommers, P. J., M.S., PH.D.
Burman, A. C., M.A., D.ED.
Cantor, G., PH.D.
Carlsen, G., PH.D.
Chambers, G. A., M.A., PH.D.
Coffman, W. E., M.A., PH.D.
Dustin, E. R., PH.D.
Feldt, L. S., M.ED., PH.D.
Fitch, R. M., PH.D.
Foley, W. J., M.ED., ED.D.
Forsyth, R. A., M.A., PH.D.
Haefner, J. H., PH.D.
Hieronymus, A. N., M.A., PH.D.
Hood, A. H., M.A., PH.D.
Howe, C. E., M.A., PH.D.
Jones, H. R., M.A., PH.D.
Kuhn, J. N., M.S.ED., PH.D.
Lane, W. R., M.S., PH.D.
Loomer, B., M.A., PH.D.
McAdam, J. E., M.A., ED.D.
Miller, L. A., M.A., PH.D.
Muehl, S., M.A., M.S., PH.D.
Novick, M. R., M.A., PH.D.
Randhawa, B., PH.D.
Retish, P. M., PH.D.
Sagen, H. B., PH.D.
Schoer, L. A., M.A., PH.D.
Smith, L. L., M.A., PH.D.
Snider, B. C. F., M.A., PH.D.
Stone, F. D., PH.D.
Van Dusseldorp, R. A., M.A., PH.D.
Yager, R. E., M.S., PH.D.
Zweng, Marilyn, PH.D.

College of Engineering:

Ames, W. F., M.S., Mechanics and Hydraulics
Arzbaecher, R. C., PH.D., Information
Betterley, M. L., M.A., Engineering Drawing
Branson, D. E., M.C.E., PH.D., Civil Engineering
Chen, C.-J., PH.D., Energy
Chyung, D. H., PH.D., Electrical Engineering
Dague, R. R., PH.D., Energy
Deegan, J. W., B.S.M.E., M.S.M.E., Industrial and Management Engineering
Eyman, E. D., M.S., PH.D., Electrical Engineering
Farrell, T., M.A., PH.D., Engineering Communications
Glover, J. R., PH.D., Hydraulics
Hering, R. G., M.S., PH.D., Mechanical Engineering
Hubbard, P. G., B.S.E.E., M.S., PH.D., Mechanics and Hydraulics
Hwang, S. T., PH.D., Chemical Engineering
Kane, H., M.S., PH.D., Civil Engineering
Kennedy, J. F., M.S., PH.D., Mechanics and Hydraulics
Lance, G., B.S.M.E., M.S., Mechanical Engineering
Landweber, L., M.A., PH.D., Mechanics and Hydraulics
Liittschwager, J. M., M.S., Industrial and Management Engineering
Lonngren, K., M.S., PH.D., Electrical Engineering
Macagno, E. O., ENGR., DR. PHYS. SCI., Mechanics and Hydraulics
McCauley, H. W., M.S.C.E., Civil Engineering
McDonald, D. B., PH.D., Electrical Engineering
Madsen, D. H., M.S.M.E., PH.D., Mechanical Engineering
Osburn, J. O., M.S., PH.D., Chemical Engineering
Patel, V. C., Energy
Paulson, W. L., PH.D., Civil Engineering
Rambert, J. S., PH.D., Systems

Rim, Kwan, Mechanics and Hydraulics
Robinson, J. P., ph.d., Electrical Engineering
Sayre, W. W., m.s., ph.d., Mechanics and Hydraulics
Simon, J. R., ph.d., Industrial Engineering
Stephens, R., ph.d., Mechanical Engineering
Trummel, J. M., m.s., ph.d., Mechanical Engineering
Valanis, K. C., m.s., ph.d., Mechanics and Hydraulics

College of Law:

Baldus, D. C., m.a., l.l.m.
Bartels, R. D., j.d.
Bayne, D. C., ll.b., ll.m., s.j.d., s.t.l., Law
Bonfield, A. E., ll.m., Law
Boyd, W. L., Jr., ll.m., s.j.d., Law
Buckley, H. A., j.d.
Buss, W. G., b.a., ll.b.
Davidson, C. W., j.d., ll.m., Law
Dole, R. F., ll.m., s.j.d.
Ellis, D., a.b., j.d.
Fahr, S. M., b.a., ll.b., Law
Gittler, J., j.d.
Hines, N. W., ll.b., Law
Kurtz, S. F., ll.b.
Meeks, J., e.b.a., ll.b.
Neuhauser, P. M., ll.m.
Sass, S. L., j.d.
Schantz, M. E., ll.b.
Vernon, D. H., ll.m., j.s.d.
Vestal, A. D., ll.d., Law
Widiss, A. I., b.s., ll.b., m.l.

College of Liberal Arts:

Addis, L., m.a., ph.d., Philosophy
Akers, R. L., ph.d., Sociology
Alexander, M., ph.d., Classics
Alexander, R. L., m.a., ph.d., Art
Alley, L. E., m.s., ph.d., Physical Education for Men
Alton, D. A., Computer Science
Anderson, P. G., Music
Anderson, R. E., m.s.w., Social Work
Armens, S., m.a., ph.d., English
Ascroft, J., ph.d., Journalism
Aspel, A., d.l., Romance Languages
Asprey, G. M., m.s., ph.d., Physical Education
Atcherson, W. T., ph.d., Music
Atkinson, K., ph.d., Mathematics
Aydelotte, W. O., ph.d., History
Ayres, T., ph.d., Music
Baender, P. E., English
Baenziger, N. C., ph.d., Chemistry
Baird, R. D., s.t.m., ph.d., Religion
Baron, R. J., ph.d., Computer Science
Bechtoldt, H., m.s.ed., ph.d., Psychology
Becker, S. L., m.a., ph.d., Television and Radio
Belgum, D., ph.d., Religion
Bentz, D. M., m.s., Library Education
Bourjaily, V., b.a., English
Bovbjerg, R. V., ph.d., Zoology
Bowers, J. W., m.a., ph.d., Speech
Boynton, G. R., b.a., ph.d., Political Science
Brodbeck, M., ph.d., Philosophy
Brown, M. E., m.a., ph.d., English
Brownstein, O. L., m.a., ph.d., Speech
Bruns, G. L., m.a., ph.d., English
Buckles, R. E., m.s., ph.d., Chemistry
Burford, B. L., m.f.a., Art
Burton, D., b.s., ph.d., Chemistry
Butchvarov, P., m.a., ph.d., Philosophy
Cac, N., ph.d., Mathematics
Carey, J., ph.d., Journalism
Carlson, R. R., ph.d., m.s. ph.d., Physics
Casady, D. R., ph.d., Physical Education
Cerreta, F., m.s., ph.d., Romance Languages
Chamberlain, D., ph.d., English
Ch'eng, H., m.litt., East Asian Studies
Coolidge, A., m.a., ph.d., English
Cordier, H. V., m.a., ph.d., Speech
Coucouvanis, D. C., ph.d., Chemistry
Cummins, P. D., m.a., ph.d., Philosophy
Curtis, J. F., m.a., ph.d., Speech Pathology and Audiology
Cuttler, C. D., m.a., ph.d., Art
Daniel, M. L., ph.d., Spanish, Portuguese
Davis, E. L., m.a., ph.d., Political Science
Davis, T. L., m.m., Music
Deligiorgis, S., ph.d., English
Dingle, H., ph.d., Zoology
Dixon, J. A., Music
Dorfman, D. D., m.a., ph.d., Psychology
Doyle, J. R., m.s., ph.d., Chemistry
Dueker, K. J., ph.d., Urban and Regional Planning
Dunlap, L. W., m.a., ph.d., Library Science
Dunlap, R., m.a., d.phil., English
Duran-Cerda, J., Romance Languages
Dvoretzky, E., German
Dykstra, R. R., ph.d., History
Ehninger, D., m.a., ph.d., Speech
Epley, D. L., ph.d., Computer Science
Fernandez, O., a.m., ph.d., Romance Languages
Fleck, A., ph.d., Mathematics and Computer Science
Forell, G. W., th.m., th.d., Religion
Fox, M., ph.d., Physical Education for Women
Fox, S. S., m.a., ph.d., Psychology
Frank, L. A., m.s., ph.d., Physics
Frankel, J., b.a., ph.d., Zoology
Fuller, K., ph.d., Mathematics
Gelfand, L. E., m.a., ph.d., History
Giesey, R. E., m.a., ph.d., History
Glenister, B. F., m.sc., ph.d., Geology
Goff, L. A., m.f.a., ph.d., Speech
Goldstein, J., a.m., ph.d., History
Gormezano, I., m.a., ph.d., Psychology
Gram, M. S., ph.d., Philosophy
Grant, J. E., ph.d., English
Gurnett, D. A., ph.d., Physics
Hale, C., m.a., ph.d., History
Hardt, H., m.a., ph.d., Journalism
Hardy, J. C., m.a., ph.d., Speech Pathology
Harris, J. L., m.arch., m.c.p., Planning
Harvey, J. A., ph.d., Psychology
Hawley, E., m.a., ph.d., History
Heffner, R. L., Jr., m.a., ph.d., English
Hegmann, J. P., ph.d., Zoology
Helm, June, m.a., ph.d., Sociology and Anthropology
Henneman, J. B., ph.d., History
Hernadi, P. Z., ph.d., English
Hershkowitz, N., ph.d., Physics
Hervig, R. B., m.a., ph.d., Music
Hibbard, W., ph.d., Music
Hill, J. D., ph.d., Music
Hogg, R. V., m.s., ph.d., Statistics
Hoppin, R. A., m.a., ph.d., Geology
Hornsby, Jessie G., ph.d., French and Italian
Hornsby, R., m.a., ph.d., Classics
Horwitz, H. G., ph.d., History
Hulbary, R. L., ph.d., Botany
Huntley, J. F., ph.d., English
Irwin, W. R., m.a., ph.d., English
James, S. V., m.a., ph.d., History
Jenni, D., d.m.a., Music
Johnson, D. B., m.a., ph.d., Political Science
Johnson, E., ph.d., Mathematics
Joyce, G., ph.d., Physics
Justice, D. R., ph.d., English
Kelley, R., ph.d., English
Kelso, H. E., m.a., ph.d., Political Science
Kessel, R. G., m.s., ph.d., Zoology
Keys, M., ph.d., Home Economics
Kim, C. L., ph.d., Political Science
Kirk, W. A., m.a., ph.d., Mathematics
Klapper, G., ph.d., Geology
Klaus, C. H., ph.d., English
Kleinfeld, E., m.a., ph.d., Mathematics
Klink, W., ph.d., Physics
Knorr, G. E., ph.d., Physics.
Kohn, C. F., m.a., ph.d., Geography
Kollros, J. J., ph.d., Zoology
Kosier, F. J., m.s., ph.d., Mathematics
Kuntz, J. K., th.d., Religion
Lafore, L. D., m.a., ph.d., History
Lagoria, V., ph.d., English
Lambert, H. W., ph.d., Mathematics
Lasansky, M., d.f.a., Art
Laster, H., ph.d., Physics
Legett, J., a.b., English
Levin, I., ph.d., Psychology
Lilly, D. J., ph.d., Speech Pathology
Lin, B.-L., ph.d., Mathematics
Lloyd-Jones, R., m.a., ph.d., English
Loewenberg, G., a.m., ph.d., Political Science
Luper, A. T., m.mus., Music
Luxenburg, N., a.m., ph.d., Russian
MacCann, R. D., Speech
McCormick, G. M., ph.d., Geology
McCue, J. F., ph.d., Religion
McDowell, F. P. W., m.a., ph.d., English
McDowell, M., ph.d., Rhetoric
McLaughlin, J. C., m.a., ph.d., English
McNulty, M., ph.d., Geography
Martinez-Bonati, F., ph.d., Spanish and Portuguese
Mather, Betty B., m.a., Music
Merriman, L. C., m.a., ph.d., Music
Milkman, R. D., a.m., ph.d., Zoology
Mohler, J. D., a.m., ph.d., Zoology
Moll, K. L., m.a., ph.d., Speech Pathology and Audiology
Montgomery, D., m.a., ph.d., Physics
Morris, D., ph.d., English
Muhly, P., ph.d., Mathematics
Muir, R. M., m.a., ph.d., Botany
Mukhopadhyay, A., ph.d., Computer Science
Murray, J. W., m.a., ph.d., Political Science
Murray, W. M., m.a., ph.d., English
Nelson, E. B., m.s., ph.d., Physics
Nesbitt, J., ed.d., Recreation Education
Nickelsburg, G., th.d., Religion
Nolf, L. O., m.s., sc.d., Zoology
Norbeck, E., ph.d., Physics and Astronomy
Norton, D., ph.d., English
Nothnagle, J., ph.d., French and Italian
Obrecht, E. R., m.a., ph.d., Music
Oehmke, R. H., m.s., ph.d., Mathematics
O'Gorman, R., m.a., ph.d., Romance Languages
Ohmes, A. F., m.b., m.m., Music
Osborn, Velva J., ph.d., Library Science
Osman, Elizabeth M., m.s., ph.d., Home Economics
Parton, D., ph.d., Sociology
Patterson, S. C., m.s., ph.d., Political Science
Paul, S., m.a., ph.d., English
Pelenski, J., ph.d., History
Persons, S., ph.d., History
Pflaum, R. T., m.s., ph.d., Chemistry
Piersol, F. A., m.a., Music and Bands
Pietrzyk, D., ph.d., Chemistry
Preucil, W. W., m.m., Music

Price, J. L., M.A., PH.D., Sociology and Anthropology
Price, T. M., PH.D., Mathematics
Randall, W. L., PH.D., Psychology
Ray, R. F., M.A., PH.D., Extension
Reynolds, D. R., M.S., PH.D., Geography
Robertson, T. J., M.A., PH.D., Statistics
Rohrbough, M. J., PH.D., History
Rosenbaum, M. E., M.S., PH.D., Psychology
Ross, R. M., M.A., PH.D., Political Science
Rushton, G., M.A., PH.D., Geography
Ryan, M., PH.D., East Asian Studies
Salisbury, N., PH.D., Geography
Sandrock, J. P., PH.D., German
Savage, W. R., PH.D., Physics
Sayre, R. F., PH.D., English
Schaal, D. G., M.A., PH.D., Telecommunications
Scharlemann, R. P., TH.D., Religion
Schmidt, J., U.F.A., Art
Schneider, E. H., M.S., PH.D., Music
Schoenbaum, D., M.A., PH.D., History
Schulz, R. W., M.A., PH.D., Psychology
Schulze, J. H., M.F.A., Art
Semken, H., PH.D., Geology
Shannon, L. W., M.A., PH.D., Sociology and Anthropology
Shutler, R., PH.D., Anthropology
Simms, J. C., M.B., M.F.A., Music
Sines, J. O., M.S., PH.D., Psychology
Small, A. M., Jr., M.S., PH.D., Speech Pathology and Audiology
Snider, Mildred, M.S.S., Social Work
Snow, P. G., M.A., PH.D., Political Science
Spalding, J. C., PH.D., Religion
Spaziani, E., PH.D., Zoology
Spiker, C. C., M.A., PH.D., Child Behaviour and Development
Spitzer, A. B., M.A., PH.D., History
Spivak, G., PH.D., English
Spriestersbach, D. C., M.A., PH.D., Speech Pathology and Audiology
Starck, K., PH.D., Journalism
Stay, B., PH.D., Zoology
Steele, O., M.S., PH.D., English
Stille, J. K., M.S., PH.D., Chemistry
Sutherland, D. W., PH.D., History
Swett, K., PH.D., Geology
Talbot, A., PH.D., Journalism
Thayer, D. L., M.A., PH.D., Speech and Dramatic Art
ter Haar, J., PH.D., German
Tipton, C. M., PH.D., Physical Education for Men
Tomasini, W. J., M.A., PH.D., Art
Turner, D., M.A., English
Turner, T. S., M.A., PH.D., Music
Tuttle, S. D., M.S., M.J., PH.D., Geology
Van Allen, J. A., M.S., PH.D., D.SC., Physics
Van Dyke, V., M.A., PH.D., Political Science
Voxman, H., M.A., Music
Wachal, R., PH.D., Linguistics
Wahlke, J., M.A., PH.D., Political Science
Waltman, P. E., M.A., PH.D., Mathematics
Walz, T. H., PH.D., Social Work
Wawzonek, S., PH.D., Chemistry
Welsh, W. A., M.A., PH.D., Political Science
Wezeman, F., B.S., M.E., B.L.S., Library Science
Whitehead, F. Eugenia, M.S.ED., D.S.C., Home Economics
Williams, D. E., M.A., PH.D., Speech Pathology and Audiology
Williams, N. E., M.S., PH.D., Zoology
Wilmeth, J. R., PH.D., Sociology
Zenor, M. D., M.A., PH.D., Public Affairs

College of Medicine:

Abboud, F. M., Internal Medicine
Anderson, T. A., M.S., PH.D., Paediatrics
Armstrong, M., M.D., Internal Medicine
Baker, G. L., M.A., Paediatrics
Bardach, J., M.D., M.D., Otolaryngology
Bedell, G. N., Internal Medicine
Bell, W. E., M.S., M.D., Neurology and Paediatrics
Benton, A. L., M.A., PH.D., Neurobiology
Berry, C. M., M.S., PH.D., Agricultural Medicine
Blakley, R. L., M.S., PH.D., Biochemistry
Blodi, F. S., M.S., Ophthalmology
Bonfiglio, M., M.D., Orthopaedic Surgery
Brody, M. J., PH.D., Pharmacology
Cadoret, R. J., M.D., Psychiatry
Cancilla, P., M.D., Pathology
Canter, A., M.A., PH.D., Psychiatry
Caplan, R. M., M.A., M.D., Dermatology
Cazin, J., PH.D., Microbiology
Chalkley, G. R., PH.D., Biochemistry
Chapler, F. K., M.D., Obstetrics and Gynaecology
Christensen, J., B.S., M.D., Internal Medicine
Christie, J. H., B.S., M.D., Radiology
Clancy, J., M.B., B.CH., Psychiatry
Clifton, J. A., M.D., Internal Medicine
Conway, T., PH.D., Biochemistry
Cooper, R. R., M.S., M.D., Orthopaedic Surgery
Cornell, S. H., M.S., Radiology
Corry, R. J., M.D., Surgery
Culp, D., M.D., Urology
DeGowin, R. L., M.D., Internal Medicine
Diana, J. N., M.A., PH.D., Physiology
Dibona, G. F., M.S., Internal Medicine
Dolan, K., M.D., Radiology
Doty, D. B., M.S., Surgery
Dryer, R. L., PH.D., Biochemistry
Eckstein, J. W., M.D., InternalMedicine
Ehrenhaft, J. L., M.D., Surgery
Ekhardt, R. T., M.D., Internal Medicine
Falsetti, H. L., M.D., Internal Medicine
Fellows, R. E., PH.D., Physiology
Filer, L. J., PH.D., M.D., Paediatrics
Fincham, R. W., M.D., Neurology
Fischer, L. J., PH.D., Pharmacology
Fitz, A., M.D., Internal Medicine
Flatt, A., M.B., M.A., M.D., Orthopaedic Surgery
Folk, G. E., Jr., M.A., PH.D., Physiology
Fomon, S. J., M.D., Paediatrics
Forker, E., B.S., M.D., Internal Medicine
Freeman, R. M., M.D., Internal Medicine
Gal, E. M., M.SC., PH.D., Psychiatry and Biochemistry
Gauron, E. F., M.A., PH.D., Psychiatry
Gergis, S. D., M.D., Anaesthesiology
Ghoneim, M., M.D., Anaesthesiology
Goplerud, C. P., M.D., Obstetrics and Gynaecology
Graf, C. J., B.A., M.D., Surgery
Granner, D. K., M.D., Internal Medicine
Halmi, N. S., M.D., Endocrinology
Hamilton, H. E., M.D., Internal Medicine
Hardin, R. C., M.D., Internal Medicine
Hartman, G., M.A., PH.D., Hospital Administration
Hawtrey, C. E., M.D., Urology
Hayreh, S. S., M.S., PH.D., F.R.C.A., Ophthalmology
Heath, E. C., PH.D., Biochemistry
Heistad, D. D., M.D., Internal Medicine
Hoak, J. C., B.S., M.D., Internal Medicine
Hoffman, L. G., D.SC., Microbiology
Hogben, C. A. M., M.D., PH.D., Physiology
Hsu, S. Y., PH.D., Preventive Medicine
Hubel, K. A., B.A., M.D., Internal Medicine
Ibrahim, M., M.B., CH.B., Anatomy
Ionasescu, V. V., M.D., Paediatrics
Isacson, E. P., M.S., M.D., Preventive Medicine
Jackson, H., M.S., PH.D., Radiology
January, L. E., M.D., Internal Medicine
Johnson, C. F., M.D., Paediatrics
Kaelber, W. W., Anatomy and Neurology
Kalnitsky, G., PH.D., Biochemistry
Kasik, J. E., M.D., PH.D., Internal Medicine
Kent, T. H., B.S., M.D., Pathology
Kerr, E., M.A., Health Occupations
Kinura, J., M.D., Neurology
Knapp, L. W., M.S., Agricultural Medicine
Koepke, J. A., M.S., M.D., Pathology
Kolder, H., M.D., Ophthalmology
Krause, C. J., M.D., Otolaryngology
Kremenak, C. R., D.D.S., M.S., Otolaryngology
Lachenbruch, P. A., PH.D., Preventive Medicine
Latourette, H. B., M.D., Radiology
Lauer, R. M., M.D., Paediatrics
LaVelle, W. E., D.D.S., Otolaryngology
Long, J. P., M.S., PH.D., Pharmacology
Long, K. R., M.A., PH.D., Preventive Medicine and Environmental Health
McCabe, B. F., M.D., Oto-Laryngology and Maxillofacial Surgery
MacQueen, J. C., M.D., Paediatrics
Mark, A. L., M.D., Internal Medicine
Markovetz, A., PH.D., Microbiology
Mason, E. E., M.D., PH.D., Surgery
Meek, E. S., Microbiology
Montgomery, R., PH.D., D.SC., Biochemistry
Morris, H. L., M.A., PH.D., Oto-Rhino-Laryngology
Morris, W. W., M.A., PH.D.
Moyers, J., B.A., M.D., Anaesthesia
Mulford, H. A., M.A., PH.D., Psychiatry
Nelson, H. L., B.A., M.D., Psychiatry
Olin, W. H., D.D.S., M.S., Otolaryngology
Osborne, J. W., PH.D., Radiology
Ossoing, K. C., M.D., Ophthalmology
Pedrini, V., D.PHARM., Orthopaedic Surgery
Penick, G. D., B.S., M.D., Pathology
Perret, G. B., M.D., SC.M., Surgery
Peterson, R. E., B.M.S., M.D., Radiology
Phillips, M. I., PH.D., Physiology
Pitkin, R. M., B.A., M.D., Obstetrics and Gynaecology
Ponseti, I. V., M.D., Orthopaedic Surgery
Powell, R. D., M.D., Internal Medicine
Rakel, R., B.S., M.D., Family Practice
Read, C. H., M.D., Paediatrics
Richerson, H. B., M.D., Internal Medicine
Riley, E. F., PH.D., Radiation Research Laboratory
Roberts, R. J., M.D., Pharmacology
Rose, E. F., M.D., LL.B., Pathology
Rossi, N. P., B.A., M.D., Surgery
Routh, J. I., M.S., PH.D., Biochemistry
Rowley, V. M., PH.D., Paediatrics
Sands, S., M.D., Psychiatry
Schapiro, R. L., M.D., Radiology
Schedl, H. P., M.D., Internal Medicine
Schmid, P. G., M.D., Internal Medicine
Schottelius, B. A., PH.D., Physiology
Scurletis, T., M.S., Paediatrics
Seebohm, P., M.D., Internal Medicine
Sheets, R. F., M.D., M.S., Internal Medicine
Shimosata, S., M.D., Anaesthesiology

Shipton, H. W., I.R.E., Physiology
Six, E. W., M.A., PHIL.NAT., Microbiology
Smidt, G., PH.D., Physical Therapy
Smith, F. G., B.S., M.D., Paediatrics
Smith, I. MacL., M.B., B.CH., Internal Medicine
Sokoll, M. D., B.S., M.D., Anaesthesia
Solomons, J. S., D.C.H., Paediatrics
Soper, R. T., B.A., M.D., Surgery
Spector, A. A., M.D., Biochemistry
Spratt, J. L., PH.D., M.D., Pharmacology
Stamler, F. W., M.D., Pathology
Steele, W. J., PH.D., Pharmacology
Steinmetz, P. R., M.D., Internal Medicine
Stegink, L. D., PH.D., Paediatrics
Stellwagen, E. C., PH.D., Biochemistry
Stewart, M., B.A., M.D., Psychiatry
Swenson, C. A., PH.D., Biochemistry
Tephly, T. R., M.D., PH.D., Pharmacology
Theilen, E. O., M.D., Internal Medicine
Thompson, H. S., M.D., Ophthalmology
Thompson, J. S., M.D., Internal Medicine
Tsuang, M.-T., M.D., Psychiatry
Van Allen, M. W., M.S., M.D., Neurology
Vandemark, D. R., PH.D., Otolaryngology
Van Orden, L. S., M.D., PH.D., Pharmacology
Watzke, R. C., M.D., Ophthalmology
Williams, T. H., PH.D., Anatomy
Williamson, H., B.S., PH.D., Pharmacology
Winokur, G., A.B., M.D., Psychiatry
Wunder, C. C., M.S., PH.D., Physiology
Zavala, D. C., M.D., Internal Medicine
Ziffren, S. E., M.D., Surgery

College of Pharmacy:
Barfknecht, C. F., PH.D., Pharmacy
Cannon, J. G., M.S., PH.D., Pharmaceutical Chemistry
Carew, D. P., M.S., PH.D., Pharmacognosy
Guillory, J. K., M.S., PH.D., Pharmacy
Lach, J. L., M.S., PH.D., Pharmacy
Norwood, G. J., PH.D., Pharmacy
Parrott, E. L., PH.D., Pharmacy
Posazza, J. P., PH.D., Pharmacy
Wurster, D. E., PH.D., Pharmacy

College of Nursing:
Barritt, Evelyn R., PH.D.
Christy, T. E., ED.D.
Triplett, June L., B.S., M.P.H.

UNIVERSITY OF NORTHERN IOWA

CEDAR FALLS, IOWA 50613

Telephone: (319) 273-2311.

Founded 1876.

President: John J. Kamerick.
Registrar: Robert Leahy.
Librarian: D. O. Rod.

The library contains 460,880 vols.

Number of teachers: 592 full-time.
Number of students: 9,284 full-time.

UPPER IOWA UNIVERSITY

FAYETTE, IOWA 52142

Telephone: (319) 425-3311.

Founded 1857.

President: Charles B. Clark (acting).
Registrar: Roger B. Bowen.
Librarian: Muriel K. Cooper.

The library contains 92,000 vols.
Number of teachers: 43.
Number of students: 1,550.

WARTBURG COLLEGE

WAVERLY, IOWA 50677

Telephone: 352-1200.

Founded 1852.

President: William W. Jellema.
Vice-President for Financial Affairs: W. Fredrick, Jr.
Dean of Faculty: (vacant).
Registrar: Marvin J. Ott.
Director of Admissions: Drew Boster.
Librarian: Donavon Schmoll.

The library contains 123,000 vols.
Number of teachers: 93.
Number of students: 1,200.

WESTMAR COLLEGE

LE MARS, IOWA 51031

Telephone: (712) 546-7081.

Founded 1890.

Four-year Liberal Arts College

President: Dr. Ben F. Wade.
Dean: Dr. John F. Courter.
Registrar: Mrs. Mary Dise.
Librarian: Robert Yontz.

The library contains 87,000 vols.
Number of teachers: 35.
Number of students: 600.

KANSAS

BAKER UNIVERSITY

(United Methodist)

BALDWIN CITY, KANSAS 66006

Telephone: 594-6451.

Chartered 1858.

President: Jerald C. Walker, REL.D.
Vice-President: Grant Thomas, M.A.
Executive Assistant to the President: John Crooch, Jr., PH.D.
Dean of Students: Fred Webb, M.S.
Dean of the College: Robert Kahle, M.A.
Treasurer: R. A. Ridley, M.S.
Registrar: Maureen Waters.
Librarian: R. Firestone, M.L.

Number of teachers: 55.
Number of students: 942.
Publications: *Orange*, *Wildcat*, *Baker World*.

BENEDICTINE COLLEGE

ATCHISON, KANSAS 66002

Founded 1924, name changed 1971 as result of merger of College of St. Benedict's and Mount St. Scholastica College.

President: Fr. Gerard Senecal, O.S.B.
Academic Dean: Robert Henry.
Registrar: Sister Rosaria Schaeffer, O.S.B.

The library contains 220,000 vols.

Number of teachers: 72.
Number of students: 951.

BETHANY COLLEGE

LINDSBORG, KANSAS 67456

Telephone: (913) 227-3312.

Founded 1881.

President: Dr. Arvin Hahn.
Dean: Dr. L. Foerster.
Registrar: Mary E. Hanley.
Librarian: Dixie Lanning.

The library contains 78,833 vols.
Number of teachers: 56.
Number of students: 829.

BETHEL COLLEGE

NORTH NEWTON, KANSAS 67117

Telephone: (316) 283-2500.

Founded 1887.

President: Dr. Harold J. Schultz.
Academic Dean: Dr. Marion Deckert.
Librarian: Martha Stucky.

The library contains 90,200 vols.

Number of teachers: 40 full-time, 25 part-time, total 65.

Number of students: 603.

Publications: *Bulletin*, *Mennonite Life*.

EMPORIA STATE UNIVERSITY

1200 COMMERCIAL,
EMPORIA, KANSAS 66801

Telephone: (316) 343-1200.

Founded 1857, university status 1976.

President: John E. Visser.

Library of 350,000 vols.
Number of students: 6,000.

FORT HAYS KANSAS STATE COLLEGE

HAYS, KANSAS 67601

Founded 1902.

President: Dr. G. W. Tomanek.
Vice-President for Academic Affairs: Dr. Harold Eickhoff.
Vice-President for Administration and Finance: W. E. Keating.
Vice-President for Student Affairs: Dr. B. D. Jellison.
Registrar: James V. Kellerman.
Institutional Research Director: Kay A. Day.
Librarian: M. Campbell.

The library contains 663,000 vols.

Number of teachers: 267.

Number of students: 5,678.
Publications: *Leader*, *Reveille*, *Fort Hays Studies*.

Deans:

Liberal Arts: Dr. W. R. Thompson.
Nursing: Dr. Elaine Harvey.
Instruction: Dr. J. D. Garwood.
Education: Dr. LaVier L. Staven.
Graduate Faculty: Dr. J. W. Rice.
Students: Dr. B. D. Jellison.

FRIENDS UNIVERSITY

2100 UNIVERSITY AVE.,
WICHITA, KANSAS 67213
Telephone: (316) 263-9131.
Founded 1898.
Liberal Arts; four-year course.

President: Dr. Harold Cope.
Dean: Dr. John P. Williams.
Registrar: Dr. Howard L. Reitz.
Business Manager: Billy D. Warner.
Director of Learning Resources Center: Mrs. F. Hocking.
Director of Public Relations: Ken Anderson.
Dean of Students: Merle R. Johnson.

The library contains 60,000 vols.

Number of teachers: 53.
Number of students: 900.

Publication: *Focus* (quarterly).

KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE

MANHATTAN, KANSAS 66506
Telephone: (913) 532-6011.

Founded as Kansas State Agricultural College 1863; name changed by Act of State Legislature 1931 and 1959.

President: Duane C. Acker.
Vice-President, Academic Affairs: J. Chalmers.
Vice-President, University Facilities: P. Young.
Vice-President for Agriculture: R. Mitchell.
Vice-President for Student Affairs: C. E. Peters.
Vice-President, Business Affairs: D. D. Beatty.
Dean of Admissions and Records: E. M. Gerritz.
Librarian: G. J. Rausch, Jr.

The library contains 830,000 vols.

Number of students: 19,045.

Publications: *General Catalog*, *Student Catalog*, *Summer School Catalog*, *K-Stater*, Extension Bulletins, *Collegian*, Engineering Bulletins, *Dimensions*.

Deans:

Graduate School: R. F. Kruh.
College of Agriculture: C. V. Hess.
College of Engineering: D. E. Rathbone.
College of Architecture and Design: B. Foerster.
College of Arts and Sciences: W. Stamey.
College of Home Economics: Ruth M. Hoeflin.
College of Veterinary Medicine: D. Trotter.
Division of Extension: John O. Dunbar.
College of Education: Jordan B. Utsey.
College of Business Administration: R. A. Lynn.

KANSAS WESLEYAN UNIVERSITY

SALINA, KANSAS 67401
Telephone: (913) 827-5541.
Founded 1886.

President: Daniel L. Bratton.
Registrar: Mrs. Roberta Nelson.
Librarian: Robert Copeland.

The library contains 62,000 volumes.

Number of teachers: 33.
Number of students: 428.

MARYMOUNT COLLEGE OF KANSAS

EAST IRON AVE.
AND MARYMOUNT RD.,
SALINA, KANSAS 67401
Founded 1922.

President: Sister Mary Paul Buser.
Academic Dean: Sister Jean Sweat.
Dean of Students: Herb Songer.

The library contains 69,874 vols.

Number of teachers: 77.
Number of students: 877.

OTTAWA UNIVERSITY

10th & CEDAR STREETS,
OTTAWA, KANSAS 66067
Telephone: (913) 242-5200.
Founded 1865.

President: Dr. Peter H. Armacost.
Registrar: Mrs. Annabelle Pence.
Dean: Harold D. Germer.
Director of Admissions: Terry D. Mathias.
Librarian: Marion Rioth.

The library contains 90,000 vols.

Number of teachers: 75.
Number of students: 950.

PITTSBURG STATE UNIVERSITY

1700 SOUTH BROADWAY,
PITTSBURG, KANSAS 66762
Telephone: 231-7000.
Founded 1903.

President: James B. Appleberry.
Registrar: Dr. Lee R. Christensen.
Librarian: Stevens W. Hilyard.

The library contains 359,000 vols.

Number of teachers: 321.
Number of students: 4,514.

Deans:

School of Arts and Sciences: Dr. R. C. Welty.
School of Education: Dr. Wesley J. Sandness.
School of Technology: Dr. W. P. Spence.
Graduate Studies: Dr. J. D. Haggard.
Kelce School of Business and Economics: Dr. Richard K. Hay.

SAINT MARY COLLEGE

LEAVENWORTH, KANSAS 66048
Telephone: (913) 682-5151.
Founded 1923.
Liberal arts college for women.

President: Sister Mary Janet McGilley, ph.d.
Dean: Sister Sue Miller, ph.d.
Registrar: Sister Regina DeCoursey, m.a.
Librarian: Sister Anna Rose Hanne, m.l.
Dean of Students: Sister Mary Elizabeth Kelly, m.s.ed.

The library contains over 110,000 vols.

Number of teachers: 55.
Number of students: 650.

SAINT MARY OF THE PLAINS COLLEGE

240 SAN JOSE DRIVE,
DODGE CITY, KANSAS 67801
Telephone: 225-4171.
Founded 1952.

President: Michael J. McCarthy.
Registrar: Sister Agnes Joseph Wachter.
Librarian: Sister Hildegarde Struble, c.s.j.

The library contains 57,000 volumes.

Number of teachers: 43.
Number of students: 507.

SOUTHWESTERN COLLEGE

100 COLLEGE,
WINFIELD, KANSAS 67156
Telephone: (316) 221-4150.
Founded 1885.

President: Dr. D. B. Ruthenberg.
Registrar: Ralph Decker.
Academic Dean: J. H. Barton.
Director of Admissions: Lewis Gilbreath.
Librarian: D. Nutter.

The library contains over 100,000 vols.

Number of teachers: 58.
Number of students: 693.

STERLING COLLEGE

STERLING, KANSAS 67579
Telephone: (316) 278-2173.
Founded 1887.

President: Dr. Charles W. Schoenherr.
Registrar: Dr. Ralph Renfro.
Librarian: Mrs. Louise Snyder.

The library contains 60,000 volumes.

Number of teachers: 42.
Number of students: 550.

TABOR COLLEGE

400 SOUTH JEFFERSON,
HILLSBORO, KANSAS 67063
Founded 1908.

President: Dr. Roy Just.
Dean of Academic Affairs: Dr. Larry Feil.
Dean of Student Development: Jack Braun.

Director of Institutional Advancement: Dr. Allen Grunau.

The library contains 53,300 vols.
Number of students: 510.

UNIVERSITY OF KANSAS

LAWRENCE, KANSAS 66045
Telephone: (913) 864-2700.

State University, under the Kansas Board of Regents.

Organized by the Legislature 1864.
Opened 1866.

Chancellor: A. R. Dykes, ed.d.
Executive Secretary: R. von Ende, m.a.
Librarian: J. Ranz, ph.d.

The library contains 1,883,764 vols.
Number of teachers: 1,389.
Number of students: 25,327.

Lawrence Campus:

Executive Vice-Chancellor: D. M. Shankel, ph.d.
Vice-Chancellor for Academic Affairs: R. K. Calgaard, ph.d.
Vice-Chancellor for Research, Graduate Studies and Public Service: F. Horowitz, ph.d.
Vice-Chancellor for Student Affairs: D. Ambler, ph.d.

DEANS:

Admissions and Records: G. Dyck, ed.d.
Graduate School: F. Horowitz, ph.d.
College of Liberal Arts and Sciences: R. Cobb, ph.d.
School of Business: J. Pichler, ph.d.
School of Education: D. P. Scannell, ph.d.
School of Engineering: D. C. Kraft, ph.d.
School of Architecture and Urban Design: C. H. Kahn, m.s.
School of Fine Arts: J. Moeser, d.m.a.
School of Journalism: D. Brinkman, ph.d.
School of Law: M. Dickinson, j.d.
School of Pharmacy: H. L. Mossberg, ph.d.
School of Social Welfare: D. Hardcastle, ph.d.
Student Life: C. Smith, ph.d.
Student Services: D. Alderson, m.s.

PROFESSORS:

College of Liberal Arts and Sciences:

Adams, R., Chemistry
Akagi, J., Microbiology
Alexander, J., History
Ammar, R. G., Physics and Astronomy
Argersinger, W. J., Chemistry
Armitage, K., Biology
Armstrong, T., Physics and Astronomy
Augelli, J. P., Geography
Baer, D., Human Development
Balfour, W., Physiology
Baumgartel, H., Psychology
Baur, E., Sociology
Bavel, Z., Computer Science
Baxter, R., Botany
Beard, D., Physics and Astronomy
Bearse, R., Physics and Astronomy
Beer, R. E., Entomology
Bell, W., Entomology, Physiology and Cell Biology
Benson, R., Geology
Bergeron, D. M., English
Bickford, M., Geology
Blubaugh, J., Speech and Drama
Boon, J. P., French and Italian
Borchert, R., Botany, Physiology, Cell Biology
Born, D. G., Human Development
Bovee, E., Physiology and Cell Biology
Boyd, B. English
Bradt R.N., Mathematics
Brehm, J. W., Psychology
Bricker, C. E., Chemistry
Brown, B., History
Brushwood, J. S., Spanish
Bulgren, W., Computer Science
Buller, C., Microbiology
Burchill, B., Physiology and Cell Biology
Burgstahler, A., Chemistry
Burton, P., Physiology
Bushell, D. G., Human Development
Byers, G. W., Entomology
Calgaard, R., Economics
Camin, J., Entomology
Campbell, K. K., Speech and Drama
Campbell, P. N., Speech and Drama
Carlson, R., Chemistry
Chamberlin, V., Spanish
Cherniss, M., English
Christoffersen, R., Chemistry
Cienciala, A. M., History
Clark, J. G., History
Cobb, R., English
Coil, W. H., Systematics, Cell Biology
Cole, R., Philosophy
Conboy, W. A., Speech
Conrad, J. L., Slavic Languages and Literature
Conrad, P., Mathematics
Craif, Barbara, French
Crawford, M. H., Anthropology
Crockett, W. H., Speech
Cross, F., Biology
Culvahouse, J., Physics and Astronomy
Daicoff, D., Economics
Davidson, J., Physics
Davis, J., Speech
Davis, R. E., Physics and Astronomy
Debicki, A. P., Spanish
De George, R., Philosophy
Dellwig, L. F., Geology
Dick, E. S., German
Dinneen, D., Linguistics, French and Italian
Dort, W., Geology
Downs, C. W., Speech and Drama
Draper, L. R., Microbiology
Drury, J. W., Political Science
Duellman, W. E., Biology
Eagleman, J. R., Geography and Meteorology
Edwards, A. C., English
El Hodiri, M., Economics
Erickson, J. D., French
Etzel, B. S., Human Development
Everett, G. E., Chemistry
Fields, J. E., Political Science
Findlay, R., Speech and Drama
Fitch, H., Biology
Fletcher, W., Soviet Area Studies
Fox, J. E., Biology
Freeman, B. C., French and Italian
Friauf, R. J., Physics
Friesen, B. S., Radiation Biophysics
Gagen, Jean, English
Galton, H., Slavic Language and Literature
Galvin, F., Mathematics
Genova, A. C., Philosophy
Giffin, K., Speech
Gilbert, W., History
Gilles, P., Chemistry
Givens, R., Chemistry
Gold, J., English
Goldhammer, P., Physics and Astronomy
Goodman, G., History
Gowen, J. A., English
Greaves, R. W., History
Gridley, R. E., English
Grier, E., English
Griffin, C., History
Grunewald, G., Medicinal Chemistry
Gump, P. V., Psychology
Gunn, J., English
Hallenbeck, C., Psychology
Hambleton, W., Geology
Hanson, F. A., Anthropology
Hardin, R. E., English
Harmony, M., Chemistry
Heider, G., Psychology
Hersh, R., Biochemistry
Himes, R. H., Biochemistry
Himmelberg, C., Mathematics
Hiner, N. R., History, Education
Hoffmann, R. S., Biology
Holmes, D. S., Psychology
Hopkins, B. L., Human Development
Horowitz, F., Human Development
Horowitz, Floyd, English
Houston, B. K., Psychology
Houston, L. L., Biochemistry
Huelsbergan, H., German
Humphrey, P., Biology
Huston, Aletha, Human Development
Huyser, E., Chemistry
Ingemann, Frances, Linguistics
Iwamoto, R., Chemistry
Jander, R., Systematics and Ecology
Janzen, J. M., Anthropology
Jenks, G. F., Geography
Johnson, A., Anthropology
Johnson, J. T., French and Italian
Johnson, M. L., English
Johnson, W. S., East Asian Languages and Cultures
Johnston, R., Biology
Jones, J., English
Jones, N., Computer Science
Kaesler, R. L., Geology
Katzman, D. M., History
Kay, R., History
Kellas, G., A., Psychology
Ketzel, C., Political Science
Kitos, P., Biochemistry
Kleinberg, J., Chemistry
Krone, R., Physics and Astronomy
Kuhlke, W., Speech and Drama
Kwak, N., Physics and Astronomy
Lacy, N. J., French and Italian
Laird, R., Political Science
Lande, C. M., Political Science
Landgrebe, J., Chemistry
Leblanc, J., Human Development and Family Life
Lee, C.-J., Political Science, East Asian Studies
Lee, J. K., Chemistry
Levine, S., American Studies
Lichtwardt, R. W., Botany
Lingwall, J., Speech and Drama
Linkugel, W., Speech and Drama
Longhurst, J., History
Lown, C., Speech and Drama
Lundsgaarde, H. P., Anthropology
Maranell, G., Sociology
Martin, E. J., Psychology
Martin, R., Philosophy
Masinton, C., English
Maurer, J., Slavic Languages and Literatures
Maurer, W. R., German
McCarthy, P., Mathematics
McColl, R. W., Geography and Meteorology; East Asian Languages and Cultures
McCoy, D. R., History

McGregor, R., Biological Science
McKinney, H. L., History
McNall, S. G., Sociology
Mendelson, J., Psychology
Mengel, R., Systematics and Ecology
Merrill, W. M., Geology
Michel, L. F., Speech and Drama
Michener, C., Entomology
Miller, L. K., Human Development
Moos, F., Anthropology
Mostert, P., Mathematics
Munczek, H. J., Physics and Astronomy
Nehring, E., Political Science
Nelick, F. C., English
Nelson, L., History
Neuringer, C., Psychology
Nunley, R. E., Geography
Olsen, R. R., Economics
Orel, H., English
Paludan, P., History
Palumbo, D., Political Science
Paretsky, D., Microbiology
Parson, D., Speech and Drama
Patton, B., Speech and Drama
Percival, W. K., Linguistics
Piekalkiewicz, J. A., Political Science
Porter, J., Mathematics
Prosser, F. W., Physics and Astronomy
Quadagno, D. M., Physiology and Cell Biology
Quinn, D., English
Reiber, F. M., Design
Reynolds, C., Chemistry
Risley, T., Human Development
Robinson, W. S., History
Rosenfeld, H., Psychology
Rowell, A. J., Geology
Ruhe, E. L., English
Rutter, E. A., Jr., Mathematics
Sapp, R., Physics and Astronomy
Saricks, A., History
Sariola, S., Sociology
Saul, N. E., History
Schlager, G., Biological Sciences
Schowen, R. L., Chemistry
Schweppe, E. J., Computer Sciences
Seaver, J. E., History
Sedelow, S., Computer Science
Sedelow, W., Computer Science
Senior, J., Classics and Comparative Literature
Shaffer, H., Economics
Shankel, D., Microbiology
Shaw, E. I., Radiation Biophysics
Shelly, M., Psychology
Sheridan, R., Economics
Sherman, J., Human Development
Shontz, F. C., Psychology
Smith, A. J., Psychology
Smith, C. S., Anthropology
Smith, T. R., Geography
Snyder, H. L., History
Souza, R., Spanish and Portuguese
Spires, R. C., Spanish and Portuguese
Springer, H. S., English
Squier, R. J., Anthropology
Srinivasan, T. P., Mathematics
Stammler, H., Slavic Languages and Literatures
Stannard, J., History of Science
Stump, R., Physics and Astronomy
Sutton, M. K., English
Szeptycki, P., Mathematics
Taylor, L., Religious Studies
Thompson, R., Botany
Titus, J. E., Political Science
Tomasek, R., Political Science
Torres, A. M., Biology and Botany
Tuttle, W., History
Unruh, W., Physics and Astronomy
Van Schmus, W., Geology
Van Vleck, F. S., Mathematics
Verdu, A., Philosophy
Waggoner, G. R., English
Wallace, V., Computer Science
Warriner, C., Sociology
Weir, J. A., Physiology and Cell Biology
Weiss, T., Economics
Welch, R., Psychology
Wells, P. V., Biology
White, A., Anthropology
White, K. S., French and Italian
Wike, E. L., Psychology
Willer, D., Sociology
Willingham, J., English
Willis, R., Speech and Drama
Willner, A. R., East Asian Studies
Willner, D., Anthropology
Wilson, T. A., History
Wiseman, G., Physics and Astronomy
Woelfel, J., Philosophy, Religious Studies
Wolf, M., Human Development
Wolfe, H. G., Physiology and Cell Biology
Wong, K.-W., Physics and Astronomy
Woodyard, G. W., Spanish and Portuguese
Worth, G., English
Wright, Beatrice, Psychology
Wright, J. B., Speech and Drama
Wright, J. C., Human Development
Wright, M. E., Psychology
Wrightsman, L. S., Psychology
Wu, De-Min, Economics
Wyttenbach, C., Physiology and Cell Biology
Yetman, N., Sociology and American Studies
Yochim, J. M., Physiology and Cell Biology
Zeller, E., Geology
Zimbrick, J., Radiation Biophysics
Zuther, G. H. W., English

School of Architecture and Urban Design:

Benjamin, B.
Besinger, C.
Dean, T. S.
Kahn, C. H.
Lucas, W. M.
McSheffrey, G. R.
Michel, L. F.
Morley, J.

School of Business:

Barron, F. H., Business
Fitch, H. G., Business
Johnson, G. L., Accounting, Finance
Joy, O. M., Business
Knapper, A. R., Business
Krogh, H. C., Insurance, Finance
Lessig, V. P., Business
Mackenzie, K. D., Organization and Administration
Mitchell, W. S., Accounting
Pichler, J. A., Manpower Management
Pinches, G., Business
Pinet, F., Business
Saunders, C. B., Management, Organization & Administration
Sherr, L. A., Statistics, Operations Research
Stettler, H. F., Accounting
Swinth, R. L., Organizational Behaviour, Organization and Administration, Management Science
Tollefson, J. O., Marketing, Quantitative Methods
Weltmer, W. K., Accounting, Legal Aspects of Business
Yu, P., Business

School of Education:

Alley, G. R., Special Education
Anderson, K. E., Administration, Foundations, Higher Education
Barrientos, I. L., Administration, Foundations, Higher Education
Candoli, C., Administration, Foundations, Higher Education
Capps, L., Curriculum and Instruction
Chaffin, J. D., Special Education
Clark, G. M., Special Education
Duerksen, G. L., Music Education and Music Therapy
Dykes, A., Administration, Foundations and Higher Education
Fine, M., Educational Psychology and Research
Gallagher, P., Special Education
Guenther, J., Curriculum and Instruction
Haack, P. A., Music Education and Music Therapy
Hargiss, G. F., Music Education and Music Therapy
Haugh, O. M., Curriculum and Instruction
Havlicek, L. L., Educational Psychology and Research
Hillesheim, J. W., Administration, Foundations, Higher Education
Houchins, R., Special Education
LaShier, W., Curriculum and Instruction
Lindsley, O. R., Administration, Foundations, Higher Education
Miskel, C., Administration, Foundations and Higher Education
Osness, W. H., Health, Physical Education
Ridgway, R. W., Curriculum and Instruction
Rueschhoff, P. H., Visual Arts
Rundquist, R. M., Counselling
Scannell, D. P., Educational Psychology and Research
Schiefelbusch, R. L., Special Education
Schild, A. H., Curriculum and Instruction
Sears, W. W., Music Education and Music Therapy
Stucky, M., Administration, Foundations, Higher Education
Sundbye, N.W., Curriculum and Instruction
Swartz, M. E., Curriculum and Instruction
Treffinger, D., Education
Whelan, R. J., Special Education

School of Engineering:

Angino, E. E., Civil Engineering
Baer, C. J., Mechanical Engineering
Barr, B. G., Mechanical Engineering
Bauleke, M. P., Mechanical Engineering
Biggs, A. W., Electrical Engineering
Bishop, K. A., Chemical Engineering
Breipohl, A. M., Electrical Engineering
Burkhead, C. E., Civil Engineering
Burmeister, L. C., Mechanical Engineering
Daugherty, D., Electrical Engineering
Easley, J., Civil Engineering
Foreman, G. W., Mechanical Engineering
Fung, A., Electrical Engineering
Green, D. W., Chemical and Petroleum Engineering
Haralick, R. M., Electrical Engineering
Kelly, G. L., Electrical Engineering
Klein, R. L., Electrical Engineering
Kohlman, D. L., Aeronautical Engineering
Kraft, D. C., Civil Engineering
Kuzmanovic, B. O., Civil Engineering
Lan, C. E., Aerospace Engineering
Lenzen, K. H., Civil Engineering
Leonard, R. J., Civil Engineering
McBride, E. J., Mechanical Engineering
McKinney, R. E., Civil Engineering
McNown, J. S., Engineering
Maloney, J. O., Chemical Engineering
Mesler, R. B., Chemical Engineering
Metzler, D. E., Civil Engineering
Moore, R. K., Electrical Engineering

Muirhead, V., Aerospace Engineering
Pogge, E., Civil Engineering
Preston, F. W., Chemical and Petroleum Engineering
Rolfe, S. T., Civil Engineering
Rose, K. E., Mechanical Engineering
Roskam, J., Aerospace Engineering
Rosson, H. F., Chemical Engineering
Shirer, H. W., Physiology and Cell Biology, Electrical Engineering
Smith, H. W., Aerospace Engineering
Smith, R. L., Civil Engineering
Smith, W. P., Electrical Engineering
Swift, G. W., Chemical and Petroleum Engineering
Talley, H. E., Electrical Engineering
Ulaby, F., Electrical Engineering
Unz, H., Electrical Engineering
Walas, S. M., Chemical Engineering
Willems, N., Civil Engineering
Willhite, G. P., Chemical and Petroleum Engineering
Yu, Y. S., Civil Engineering

School of Fine Arts:
Blaas, K. H., Stringed Instruments
Boberg, G. R., Performance
Boyajian, H. N., Violin and Chamber Music
Boyle, A. L., Design
Branham, R. L., Design
Clark, J. B., Music History
DeGraw, E. A., Design
Duerksen, G. L., Music Education and Music Therapy
Dykes, D., Design
Enggass, R., History of Art
Foster, R. E., Ensembles
Gerken, A., Music Theory
Green, M. S., Voice
Green, R. B., Painting and Sculpture
Hargiss, G. F., Music Education
Hixon, G., Design
Hoag, C. K., Theory and Composition
Larsen, E., History of Art
Lawner, G., Orchestra
Li, C.-T., History of Art
Ling, M., Performance
McKay, J. S., Art
Mattila, E. C., Theory
Miller, L. D., Occupational Therapy
Moeser, J., Organ
Paige, N., Performance
Pozdro, J. W., Theory and Composition
Ralston, J., Music Ensembles
Rueschhoff, P. H., Art Education
Scheid, L. D., Woodwind
Schira, R., Painting and Sculpture
Sears, W. W., Music Education
Shimomura, R., Art
Shumway, S. N., Theory
Smith, K., Voice
Stokstad, M., History of Art
Sudlow, R. N., Painting and Sculpture
Talleur, J. J., Painting and Sculpture
Tefft, E., Painting and Scuplture
Thompson, P., Art
Vaccaro, N. D., Painting and Sculpture

School of Journalism:
Bremner, J. B., Editing, Critical Writing
Brinkman, D., Journalism
Dart, P., Broadcasting and Film History
Linton, B. A., TV and Film Production
Pickett, C. M., History, Reporting, Editing
Young, L., Journalism

School of Law:
Casad, R. C.
Clark, B.
Coggins, G. C.
Davis, M. J.
Dickinson, M. J.
Goetz, R. A.
Hecker, E. W.
Heller, F. H.
Kelly, W. A.
Kissam, P.
Lovitch, F. B.
Meyer, K.
Murphy, J. F.
Schulman, R. E.
Scott, W. R.
Shurtz, E. B.
Tacha, D.
Wilson, P. E.

School of Pharmacy:
Faiman, M. D., Pharmacology and Toxicology
Higuchi, T., Pharmaceutical Chemistry
Lindenbaum, S., Pharmaceutical Chemistry
Martin, F. G., Pharmacy Practice
Mertes, M. P., Medicinal Chemistry
Mitscher, L. A., Medicinal Chemistry
Mossberg, H. E., Pharmacology and Toxicology
Repta, A., Pharmaceutical Chemistry
Rutledge, C. O., Pharmacology and Toxicology
Wenzel, D. G., Pharmacology and Toxicology
Wiley, R. A., Medicinal Chemistry

School of Social Welfare:
Chambers, D. E., Research
Ernst, T., Social Policy and Research
Katz, A. J., Social Policy, Professional Issues
Leon, H., Practice and Human Behaviour
Schutz, M., Social Welfare
Taylor, J. B., Social Welfare

College of Health Sciences and Hospital (Kansas City):

Executive Vice-Chancellor: D. Waxman, M.D.
Vice-Chancellor for Clinical Affairs: D. W. Robinson, M.D.
Vice-Chancellor: R. H. Miller, M.H.A.

Deans:

School of Medicine (Kansas City): J. T. Lowman, M.D.
School of Medicine (Wichita): R. A. Walsh, M.D.
School of Nursing: D. Geitgey, R.N., ED.D.
School of Allied Health: R. L. Harper, PH.D.

Professors:

Abdou, N. I., M.D., PH.D., Medicine
Allen, M. S., M.D., Medicine
Amelunxen, R., PH.D., Microbiology
Anderson, H. C., M.D., Pathology
Arakawa, K., M.D., Anaesthesiology
Azarnoff, D. L., M.D., Medicine and Pharmacology
Barnhorst, D. A., Surgery
Behbehani, A. M., PH.D., Pathology
Bergin, J. J., M.D., Medicine
Bolinger, R. E., M.D., Medicine
Brackett, C. E., M.D., Surgery (Neurosurgery)
Brown, R. W., M.D., Medicine
Bunag, R. D., M.D., M.A., Pharmacology
Butterfield, E., PH.D., Paediatrics
Cameron, W. J., M.D., Gynaecology and Obstetrics
Chang, C. H. J., M.D., Diagnostic Radiology
Chapman, A., PH.D., Anatomy
Chiga, M., M.D., Pathology
Chin, T. D. Y., M.D., Community Health and Medicine
Cho, C. T., M.D., PH.D., Paediatrics and Microbiology
Clancy, R. L., PH.D., Physiology
Cohn, D., M.D., Biochemistry
Cook, J. S., M.D., Medicine
Cooke, A. R., M.D., Medicine
Cuppage, F. E., M.D., Pathology
Dickmann, Zeev, PH.D., Obstetrics and Gynaecology
Diedrich, W. M., PH.D., Hearing and Speech
Diehl, A. M., M.D., Paediatrics
Doull, J., M.D., PH.D., Pharmacology and Toxicology
Duffey, M., PH.D., Nursing
Dunn, M. I., M.D., Medicine
Dwyer, S. J., PH.D., Diagnostic Radiology
Ebner, K. E., PH.D., Biochemistry
Fainstat, T., M.D., PH.D., Obstetrics and Gynaecology
Fisher, H. F., M.D., PH.D., Biochemistry
Foltz, F. M., PH.D., Anatomy
Foret, J. D., M.D., Surgery
Frakes, Elizabeth, M.S., Nutrition
Frenkel, J. K., M.D., PH.D., Pathology
Friesen, S. R., M.D., PH.D., Surgery
Fulton, R. T., PH.D., Hearing and Speech
Geitgey, D. A., ED.D., Nursing
Goetzinger, C., PH.D., Oto-Rhino-Laryngology; Hearing and Speech
Goldberg, I. D., PH.D., Microbiology
Goodwin, D. W., M.D., Psychiatry
Grantham, J., M.D., Medicine
Greenberger, N. J., M.D., Medicine
Greenwald, G. S., PH.D., Obstetrics and Gynaecology and Physiology
Grisolia, S., M.D., Biochemistry
Hardin, C. A., M.D., Surgery
Harper, R. L., PH.D., Allied Health
Hassanein, K., PH.D., Biometry
Hermreck, A., M.D., PH.D., Surgery
Holmes, F. F., M.D., Medicine
Hoogstraten, B., M.D., Medicine
Houchins, R., PH.D., Hearing and Speech
Hudson, B. G., Biochemistry
Hudson, R. P., M.D., History of Medicine, Medicine
Hurwitz, A., M.D., Medicine and Pharmacology
Jensen, T., PH.D., Microbiology
Jerome, N., PH.D., Community Health
Jewell, W. R., M.D., Clinical Surgery
Johnson, D. C., PH.D., Obstetrics and Gynaecology and Physiology
Justesen, D. R., PH.D., Psychiatry
Kepes, J., M.D., Pathology
Kerby, G. R., M.D., Medicine
Ketchum, L. D., M.D., Surgery
Kimmel, J. R., M.D., PH.D., Biochemistry
Kirchner, F. R., M.D., Oto-Rhino-Laryngology
Klaassen, C., PH.D., Pharmacology
Knauff, H. S., M.D., Oto-Rhino-Laryngology
Knox, A. W., PH.D., Hearing and Speech
Krantz, K., M.D., Obstetrics, Gynaecology and Anatomy
Larson, Lily, M.ED., Nursing
Laybourne, P. C., Jr., M.D., Psychiatry, Family Practice
Lemoine, A. N., M.D., Ophthalmology
Liu, C., M.D., Paediatrics and Medicine
Lowman, J. T., M.D., Paediatrics
McReynolds, L., PH.D., Hearing and Speech
Mansfield, C. M., M.D., Radiation Therapy
Mantz, F. A., M.D., Pathology
Masters, F. W., M.D., Surgery
Masterson, B. J., M.D., Gynaecology and Obstetrics
Mathewson, H. S., M.D., Clinical Anaesthesiology
Mattioli, L., M.D., Paediatrics
Matzke, H. A., PH.D., Anatomy

MEBUST, W. K., M.D., Surgery
MEEK, J. C., M.D., Medicine
MELNYKOVYCH, G., PH.D., Microbiology
MEYEN, E. L., PH.D., Special Education
MILLER, JUNE, ED.D., Hearing and Speech
MILLS, R. C., PH.D., Biochemistry
MOHN, M. P., PH.D., Anatomy
NELSON, S., M.D., Pharmacology
NICHOLS, J. M., M.D., PH.D., Pathology
NORTON, S., PH.D., Pharmacology
OTHMER, E., M.D., PH.D., Psychiatry
POISNER, A. M., M.D., Pharmacology
PROUD, G. O., M.D., Oto-Rhino-Laryngology
PUGH, D. M., M.D., Medicine
RECKLING, F. W., M.D., Surgery
REDFORD, J. B., M.D., Rehabilitation Medicine
REISSMANN, K. R., M.D., Medicine
RISING, J., M.D., Medicine and Pharmacology
ROBINSON, D., M.D., Surgery
ROBISON, J. T., M.D., Ophthalmology
RUTH, W. E., M.D., Medicine
SAMSON, F. E., Jr., PH.D., Physiology
SCHIEFELBUSCH, R., PH.D., Hearing and Speech
SCHIMKE, R. NEIL, M.D., Medicine and Paediatrics
SCHLOERB, P. R., M.D., Surgery
SPRINZ, H., M.D., Pathology
STECHSCHULTE, D. J., M.D., Medicine
SULLIVAN, L. P., PH.D., Physiology
SVOBODA, D. J., M.D., Pathology
TEMPLETON, A. W., M.D., Diagnostic Radiology
THOMPSON, A. M., PH.D., Physiology
THURSTON, H. I., R.N., Nursing
UYEKI, E. M., PH.D., Pharmacology
WALASZEK, E. J., PH.D., Pharmacology
WALKER, J. D., M.D., Family Practice
WATANABE, I., M.D., Pathology
WAXMAN, D., M.D., Medicine
WERDER, A. A., PH.D., Microbiology
WHELAN, R. J., ED.D., Special Education
WOLKOFF, A. S., M.D., Obstetrics and Gynaecology
WOOD, J. D., PH.D., Physiology
YOUNGSTROM, K. A., M.D., Anatomy and Diagnostic Radiology
ZIEGLER, D. K., M.D., Neurology

WASHBURN UNIVERSITY OF TOPEKA

17TH AND COLLEGE STREETS,
TOPEKA, KANSAS 66621
Telephone: 295-6300.

President: JOHN W. HENDERSON, ED.D.
Vice-President, Academic Affairs, and Dean of the College: C. R. HAYWOOD, PH.D.
Vice-President for Student Affairs: L. L. DODSON, ED.D.
Registrar and Director of Admissions: JOHN E. TRIGGS, ED.S.
Librarian: CHARLENE HURT, M.L.

The library contains 149,722 vols.

Number of teachers: 294.
Number of students: 5,883.

Publications: *Washburn Alumnus, Washburn Law School Journal.*

DEANS:

Law: R. SPRING, J.D.
School of Business: PAUL E. JUNK, PH.D.
Special Instructional Programs: JAMES M. YOUNG, PH.D.

WICHITA STATE UNIVERSITY

WICHITA, KANSAS 67208

Founded 1895 as Fairmount College (Congregational), control transferred to City of Wichita 1926, added to the Kansas state higher education system 1964.

President: C. D. AHLBERG, M.A., PH.D.
Vice-President for Academic Affairs and Dean of Faculties: J. B. BREAZEALE, M.S., PH.D.
Vice-President for Student Affairs and Dean of Students: J. J. RHATIGAN, M.A., PH.D.
Vice-President for Business Affairs: R. D. LOWE, B.S.B.A., C.P.A.
Vice-President for Academic Resources Development: M. H. BUSH, M.A., PH.D.
Director of Libraries and Audiovisual Services: J. G. SCHAD, M.L.S.

The library contains 548,687 vols.

Number of teachers: 702 full-time, 60 part-time, total 762.

Number of students: 7,709 men, 7,133 women, total 14,842.

Publications: *University Studies*†, *Sunflower*†, *Wichita State University Magazine, Wichita State Alumni News.*

DEANS:

Admissions and Records: C. R. WENTWORTH, M.A., PH.D.
Liberal Arts and Sciences: P. J. MAGELLI, M.S., PH.D.
Education: L. M. CHAFFEE, M.ED., PH.D.
Fine Arts: G. B. TERWILLIGER, M.A., ED.D.
Engineering: C. V. JAKOWATZ, M.S.E.E., PH.D.
Business Administration: D. SHARP, M.B.A., PH.D.
Health Related Professions: S. D. RODENBERG, A.M., PH.D.
Graduate: L. M. BENNINGFIELD, M.S.E.E., PH.D.
University College: D. E. MCFARLAND, M.S., PH.D.
Continuing Education: J. H. PETREE, M.ED., ED.D.

KENTUCKY

BELLARMINE COLLEGE

NEWBURG RD.,
LOUISVILLE, KENTUCKY 40205
Telephone: 452-8011.
Founded 1950.

President: Dr. EUGENE V. PETRIK.
Director of Admissions and Records: ROBERT G. PFAADT.
Librarian: Miss BETTY DELIUS.

The library contains 86,500 vols.

Number of teachers: 83.
Number of students: 1,782.

BEREA COLLEGE*

BEREA, KENTUCKY 40404
Founded 1855.

President: WILLIS D. WEATHERFORD.
Comptroller: L. JONES.
Academic Vice-President: W. M. JONES.
Business Vice-President: K. WARMING.
Dean: W. M. JONES.
Registrar: VIRGINIA AUVIL.
Librarian: ELIZABETH D. GILBERT.

The library contains 170,000 volumes.

Number of teachers: 136.
Number of students: 1,442.

* No reply received to our questionnaire this year.

CAMPBELLSVILLE COLLEGE

CAMPBELLSVILLE,
KENTUCKY 42718
Telephone: (502) 465-8158.
Founded 1906.

President: Dr. W. R. DAVENPORT.
Librarian: B. H. PARSLEY.

The library contains 81,000 vols.

Number of teachers: 44.
Number of students: 700.

CENTRE COLLEGE OF KENTUCKY

DANVILLE, KENTUCKY 40422
Telephone: (606) 236-5211.
Founded 1819.

President: THOMAS A. SPRAGENS.
Director of Admissions: H. SMITH.
Librarian: J. R. MAY.

The library contains 100,952 vols.

Number of teachers: 73.
Number of students: 800.

CUMBERLAND COLLEGE

WILLIAMSBURG,
KENTUCKY 40769
Telephone: (606) 549-2200.
Founded 1889.

President: J. M. BOSWELL.
Registrar: ROGER BAKER.
Academic Dean: Dr. E. C. MASDEN.
Dean of College Personnel: Dr. J. P. DUKE.
Librarian: Dr. CARLYLE CROSS.

The library contains 75,000 vols.

Number of teachers: 100.
Number of students: 1,800.

EASTERN KENTUCKY UNIVERSITY

RICHMOND, KENTUCKY 40475
Telephone: 622-0111.
Founded 1906.

President: J. C. POWELL.
Vice-President for Academic Affairs and Research: JOHN D. ROWLETT.
Vice-President for Administration: J. C. POWELL.
Registrar: DONALD SMITH.

Librarian: E. Weyhrauch.

The library contains 500,000 vols.

Number of teachers: 725.
Number of students: 12,571.

GEORGETOWN COLLEGE

GEORGETOWN, KENTUCKY 40324
Telephone: (502) 863-8011.
Founded 1829.

President: Dr. Ben M. Elrod.
Chancellor: Dr. Robert L. Mills.
Academic Dean: Dr. John L. Butler.
Director of Business Affairs: Hubert Beck.
Director of Development: Russell Bridges.
Director of Admissions: Don De Borde.
Librarian: Miss Virginia Covington.

The library contains 122,920 vols.

Number of teachers: 83.
Number of students: 1,010.

KENTUCKY STATE UNIVERSITY

FRANKFORT, KENTUCKY 40601
Telephone: 564-2550.
Founded 1886.

President: W. A. Butts.
Vice-President for Academic Affairs: Donald F. Blake.
Dean of Admissions and Registrar: E. W. Morris.
Director of Libraries: Donald W. Lyons.

The library contains 155,000 vols.

Number of teachers: 154.
Number of students: 2,389.

KENTUCKY WESLEYAN COLLEGE

3000 FREDERICA STREET,
OWENSBORO, KENTUCKY 42301
Telephone: 926-3111.
Founded 1858.

President: Dr. William E. James.
Dean: Dr. Donald D. Douglass.
Registrar: Dr. Gus Paris.
Librarian: D. King.

The library contains 81,000 vols.

Number of teachers: 47.
Number of students: 693.

MOREHEAD STATE UNIVERSITY

MOREHEAD, KENTUCKY 40351
Telephone: (606) 783-2221.
Founded 1922.

President: Dr. Morris L. Norfleet.
Director of Admissions: W. Bradford.
Librarian: Dr. J. Ellis.

The library contains 344,809 vols.

Number of teachers: 300.
Number of students: 7,234.

MURRAY STATE UNIVERSITY

UNIVERSITY STATION,
MURRAY, KENTUCKY 42071
Telephone: 762-3011.
Founded 1922.

President: Constantine Curris.
Registrar: Wilson Gantt.
Librarian: Edwin Strohecker.

The library contains 350,000 vols.

Number of teachers: 360.
Number of students: 8,350.

PIKEVILLE COLLEGE

PIKEVILLE, KENTUCKY 41501
Telephone: (606) 432-3161.
Founded 1889.

President: Dr. Jackson O. Hall.
Vice-President for Academic Affairs: Dr. Marie V. Tarpey.
Librarian: William Aguilar.

The library contains 82,000 vols.

Number of teachers: 52.
Number of students: 705.

SPALDING COLLEGE

851 SOUTH FOURTH STREET,
LOUISVILLE, KENTUCKY 40203
Telephone: (502) 585-9911.
Founded 1920.

Four-year Liberal Arts College.

President: Dr. Eileen M. Egan, s.c.n., ph.d.
Assistant to the President: Vincent I. Brosky, m.a.
Director of Business and Financial Affairs: William L. Lieber.
Director of Admissions: Mary P. Nolan, m.a.
Academic Dean: Dr. Edward G. Smith.
Director of Student Services: Sister Bridgid Clifford, m.a.
Library Director: Lucille Schauer, m.l.s.

The library contains 91,372 vols.

Number of teachers: 85.
Number of students: 1,200.

THOMAS MORE COLLEGE

P.O.B 85, FORT MITCHELL,
KENTUCKY 41017
Telephone: 341-5800.
Founded 1921.

President: Dr. Richard A. DeGraff.
Registrar: Joan Yelton.
Librarian: Sister M. Adrienne Riehle, s.n.d.

The library contains 90,000 vols.

Number of teachers: 58.
Number of students: 1,002.

TRANSYLVANIA UNIVERSITY

300 N. BROADWAY,
LEXINGTON, KENTUCKY 40508
Telephone: 255-6861.

Founded 1780 as Transylvania College, attained university status 1970.

President: William W. Kelly.
Vice-President and Dean of the College: Walter G. Emge.
Vice-President and Business Manager: Edward Houlihan.
Vice-President for Student Affairs: David A. Palmer.
Registrar: Miss Ruth Blackburn.
Librarian: Miss Roemol Henry.

The library contains 100,581 vols.

Number of teachers: 59.
Number of students: 722.

UNION COLLEGE

BARBOURVILLE, KENTUCKY 40906
Telephone: (606) 546-4151.
Founded 1879.

President: Mahlon A. Miller.
Registrar: Edwin Le Master.
Dean of the Faculty and Director of Graduate Studies: Warren Robbins.
Dean for Undergraduate Academic Affairs: Dwight C. Stewart.
Director of Admissions: (vacant).
Librarian: J. B. McFerrin.

The library contains 67,000 vols.

Number of teachers: 71.
Number of students: 1,145.

UNIVERSITY OF KENTUCKY

LEXINGTON, KENTUCKY 40506
Telephone: 258-9000.
Founded 1865.

Academic year: August to May.

President: Dr. Otis A. Singletary.
Vice-President for Administration: Dr. Donald B. Clapp.
Vice-President for Academic Affairs: Dr. Lewis W. Cochran.
Vice-President for University Relations: Dr. Ray R. Hornback.
Vice-President for Student Affairs: Dr. Robert G. Zumwinkle.
Vice-President for Business Affairs and Treasurer: Jack C. Blanton.
Vice-President for the Albert B. Chandler Medical Center: Dr. Peter P. Bosomworth.
Vice-President for the Community College System: Dr. M. Stanley Wall.
Vice-President for Minority Affairs: Dr. John T. Smith.
Dean of Admissions and Registrar: E. W. Ockerman, ed.d.
Director of Libraries: Paul A. Willis, j.d.

Library: *see* Libraries.

Number of teachers: 1,875.
Number of students: 39,516.

Publications: *Agricultural Experimental Station Bulletin*, *Bureau of*

Business Research Bulletin, Bureau of Community Service Bulletin, Bureau of Government Research Bulletin, Bureau of School Service Bulletin, Engineering Experiment Station Bulletin, Kentucky Alumnus, Kentucky Engineer, Kentucky Law Journal, Report to Kentucky Schools, University of Kentucky Bulletin.

DEANS:

College of Agriculture: Dr. CHARLES E. BARNHART.
College of Arts and Sciences: Dr. A. GALLAHER.
College of Communications: RAMONA RUSH.
College of Engineering: Dr. JAMES E. FUNK.
College of Fine Arts: Dr. J. ROBERT WILLS.
College of Home Economics: Dr. MARJORIE STEWART.
College of Law: Dr. THOMAS P. LEWIS.
College of Education: Dr. GEORGE W. DENEMARK.
College of Business and Economics: Dr. WILLIAM W. ECTON.
College of Pharmacy: Dr. JOSEPH V. SWINTOSKY.
College of Medicine: Dr. D. KAY CLAWSON.
College of Nursing: Dr. MARION E. MCKENNA.
College of Dentistry: Dr. MERRILL W. PACKER.
College of Allied Health Professions: Dr. JOSEPH HAMBURG.
College of Architecture: Prof. ANTHONY EARDLEY.
College of Library Science: Dr. T. W. SINEATH.
College of Social Professions: Dr. RONDA CONNAWAY.
Graduate School: Dr. W. C. ROYSTER.
Undergraduate Studies: Dr. JOHN STEPHENSON.
University Extension: Dr. STEPHEN LANGSTON (acting).
Community College System: Dr. M. STANLEY WALL (Vice-President).
Community College Directors:
  Ashland Community College: Dr. R. L. GOODPASTER.
  Elizabethtown Community College: Dr. J. S. OWEN.
  Hazard Community College: Dr. J. M. JOLLY.
  Henderson Community College: Dr. MARSHALL ARNOLD.
  Hopkinsville Community College: Dr. T. L. RILEY.
  Jefferson Community College (Louisville): Dr. R. HORVATH.
  Lexington Technical Institute: W. N. PRICE.
  Madisonville Community College: Dr. ARTHUR D. STUMPF.
  Maysville Community College: Dr. J. SHIRES.
  Paducah Community College: Dr. D. J. CLEMENS.
  Prestonsburg Community College: Dr. H. A. CAMPBELL.
  Somerset Community College: Dr. R. D. KELLEY.
  Southeast Community College (Cumberland): Dr. LARRY STANLEY.

UNIVERSITY OF LOUISVILLE

LOUISVILLE, KENTUCKY 40208

Founded 1798.

President: JAMES GRIER MILLER.
Executive Vice-President: WILLIAM F. EKSTROM.
Vice-President for Academic Affairs: HERBERT GARFINKEL.
Vice-President for Financial Affairs: N. F. ELBERT.
Vice-President for Health Affairs: HAROLD E. BOYER.
Vice-President for Student Affairs: EDWARD H. HAMMOND.
Vice-President for University Relations: STEPHEN B. BING.
Director of Academic Services: W. GARY MORRISON.
Dean of Libraries: JOHN T. DEMOS.

Publications: *The Cardinal, University of Louisville Quarterly, Thoroughbred* (annually).

DEANS:

Arts and Sciences: LOIS S. CRONHOLM.
Medicine: ARTHUR H. KEENEY.
Law: HAROLD G. WREN.
Graduate School: X. JOSEPH MUSACCHIA.
Dentistry: RICHARD L. MILLER (acting).
Engineering (Speed Scientific School): Dr. H. C. SAXE.
Music: JERRY W. BALL.
Social Work (Graduate): ROGER M. LIND.
School of Education: THOMAS S. JEFFRIES (acting).
University College: WENDELL RAYBURN.
Business School: WILLIAM H. PETERS.
School of Police Administration: JOHN C. KLOTTER.

WESTERN KENTUCKY UNIVERSITY

COLLEGE HEIGHTS,
BOWLING GREEN,
KENTUCKY 42101

Telephone: (502) 745-0111.

Founded 1906.

President: Dr. DERO G. DOWNING.
Vice-President (Academic Affairs): Dr. JAMES L. DAVIS.
Vice-President (Administrative Affairs): Dr. JOHN D. MINTON.
Vice-President (Business Affairs): HARRY K. LARGEN.
Registrar: Dr. STEPHEN HOUSE.

The library contains 643,000 vols.

Number of teachers: 670.
Number of students: 13,586.

LOUISIANA

CENTENARY COLLEGE OF LOUISIANA

P.O.B. 4188,
CENTENARY STATION,
SHREVEPORT, LOUISIANA 71104

Telephone: 869-5011.

Founded 1825.

President: Dr. DONALD A. WEBB.
Dean of College: (vacant).
Dean of Students: ELYNOR ERICKSON.
Registrar: JOHNSON WATTS.
Librarian: JAMES VOLNY.

Number of teachers: 67.
Number of students: 925.

Publications: *Yoncopin*† (annually), *Conglomerate*†, *Scuttlebutt*†, *Dimensions*†, *This Is Centenary*†.

DILLARD UNIVERSITY

2601 GENTILLY BLVD.,
NEW ORLEANS, LOUISIANA 70122

Telephone: 944-8751.

Founded 1869.

President: SAMUEL D. COOK.
Registrar: C. L. REYNOLDS.
Director of Admissions: Mrs. VERNESE B. O'NEAL.
Librarian: Miss CAROLE R. TAYLOR.

The library contains 119,692 vols.

Number of teachers: 86.
Number of students: 1,156.

GRAMBLING STATE UNIVERSITY

GRAMBLING, LOUISIANA 71245

Telephone: 247-6941.

Founded 1901.

President: JOSEPH B. JOHNSON.
Registrar: Mrs. RUBY W. BILLUPS.
Librarian: Dr. MARY W. HYMON.

The library contains 80,000 volumes.

Number of teachers: 250.
Number of students: 4,050.

LOUISIANA COLLEGE

PINEVILLE, LOUISIANA 71360

Telephone: (318) 487-7011.

Founded 1906. College of Liberal Arts and Sciences owned by the Louisiana Baptist Convention.

President: ROBERT L. LYNN.
Academic Dean: Dr. E. EUGENE HALL.
Registrar: Miss DOROTHY CALHOON.
Librarian: LANDRUM SALLEY.

The library contains 75,000 volumes.

Number of teachers: 60.
Number of students: 1,260.

LOUISIANA STATE UNIVERSITY SYSTEM

BATON ROUGE,
LOUISIANA 70803

President: MARTIN D. WOODIN.

LOUISIANA STATE UNIVERSITY

BATON ROUGE, LOUISIANA 70803

Telephone: (504) 388-3202.

Founded 1860.

Chancellor: PAUL W. MURRILL, PH.D.

Director of Academic Services: A. L. CLARY, M.A.

Vice-Chancellor for Academic Affairs: OTIS B. WHEELER, PH.D.

Vice-Chancellor for Administration: LYNN PESSON, PH.D.

Vice-Chancellor for Advanced Studies and Research: JAMES G. TRAYNHAM, PH.D.

Vice-Chancellor for Business Affairs and Comptroller: QUINN M. COCO, B.S.

Vice-Chancellor for Student Affairs: JAMES W. REDDOCH, PH.D.

Director of Libraries: GEORGE J. GUIDRY, Jr., M.A.

Number of students: 24,500.

DEANS:

Junior Division: V. CANGELOSI.

General College: J. H. WHARTON, PH.D.

Division of Continuing Education: F. A. MCCAMERON, PH.D.

College of Agriculture: R. H. HANCHEY, PH.D.

College of Arts and Sciences: I. A. BERG, PH.D.

College of Chemistry and Physics: H. B. WILLIAMS, PH.D.

College of Business Administration: DONALD WOODLAND, PH.D.

College of Education: PETER A. SODERBERGH, PH.D.

College of Engineering: RICHARD MATULA, PH.D.

Law Center: WINSTON R. DAY, J.D. (acting).

School of Social Welfare: B. J. WIEST, D.S.W.

School of Library Science: Sister MARIE L. CAIRNS (acting).

School of Music: E. TIMM, PH.D.

School of Environmental Design: G. MCLINDON, M.L.A.

School of Veterinary Medicine: E. D. BESCH, D.V.M., PH.D.

University College: R. L. W. SCHMIDT, PH.D.

LOUISIANA STATE UNIVERSITY AT ALEXANDRIA

ALEXANDRIA, LOUISIANA 71301

Chancellor: Dr. RAYMOND E. CLEVELAND.

Number of students: 1,506.

LOUISIANA STATE UNIVERSITY AT EUNICE

EUNICE, LOUISIANA 70735

Dean: ANTHONY MUMPHREY, PH.D.

Number of students: 992.

LOUISIANA STATE UNIVERSITY MEDICAL CENTER

NEW ORLEANS,
LOUISIANA 70112

Chancellor: ALLEN A. COPPING, D.D.S.

Number of students: 2,250.

DEANS:

School of Medicine: PAUL F. LARSON, M.D.

School of Medicine (Shreveport): IKE MUSLOW, M.D.

School of Graduate Studies: JOHN C. FINERTY, PH.D.

School of Dentistry: JACK H. RAYSON, D.D.S.

School of Allied Health Professions: STANLEY H. ABADIE, PH.D.

School of Nursing: HELEN DUNN, D.P.H.

LOUISIANA STATE UNIVERSITY AT SHREVEPORT

SHREVEPORT, LOUISIANA 71105

Chancellor: DONALD E. SHIPP, PH.D.

Number of students: 3,161.

LOUISIANA TECH UNIVERSITY

RUSTON, LOUISIANA 71272

Chartered 1894 as Louisiana Industrial Institute and College; name changed to Louisiana Industrial Institute 1898; became Louisiana Polytechnic Institute 1921, became Louisiana Tech University 1970.

President: F. JAY TAYLOR, PH.D.

Vice-President for Academic Affairs: V. ORR, PH.D.

Vice-President for Administrative Affairs: GEORGE BYRNSIDE, B.S.

Vice-President for Student Affairs: S. X. LEWIS, M.S.

Registrar: ELEANOR S. ROCKETT, M.S.

Director of Libraries: S. A. DYSON, M.S.

The library contains 1,300,000 vols.

Number of teachers: 375.

Number of students: 9,000.

DEANS:

College of Life Sciences: H. B. BARKER, PH.D.

College of Arts and Sciences: P. J. PENNINGTON, PH.D.

College of Administration and Business: B. R. OWENS, PH.D.

College of Education: B. J. COLLINSWORTH, ED.D.

College of Engineering: J. J. THIGPEN, PH.D.

College of Home Economics: ELIZABETH G. HALEY, PH.D.

Graduate School: (vacant).

Division of Admissions, Basic and Career Studies: Mrs. PATSY LEWIS, M.A.

LOYOLA UNIVERSITY

6363 ST. CHARLES AVE.,
NEW ORLEANS,
LOUISIANA 70118

Telephone: (504) 865-2011.

Founded 1849 as College of the Immaculate Conception, name changed later to Loyola College. Chartered as University 1912.

President: Rev. JAMES C. CARTER, S.J.

Vice-President for Academic Affairs: Dr. ROBERT A. PRESTON.

Vice-President for Business and Finance: J. L. ECKHOLDT.

Vice-President for Communications: Rev. F. A. BENEDETTO, S.J.

Vice-President for Institutional Advancement: CHARLES E. YOUNG.

Vice-President for Student Affairs: VINCENT P. KNIPFING.

Director of Admissions: Dr. JAMES DUPLASS.

Librarian: JOANNE R. EUSTER.

The library contains 280,659 vols.

Number of teachers: 306.

Number of students: 4,108.

Publications: *New Orleans Review*, *Loyola Law Review*.

DEANS:

College of Arts and Sciences: Rev. R. J. RATCHFORD, S.J.

College of Business Administration: Dr. JOSEPH BONIN.

School of Law: MARCEL GARSAUD.

College of Music: Dr. DAVID SWANZY.

City College: WALTER S. MAESTRI.

Dean of Campus Ministry: Rev. JOSEPH MCGILL, S.J.

MCNEESE STATE UNIVERSITY

LAKE CHARLES,
LOUISIANA 70605

Telephone: (318) 477-2520.

Founded 1939.

President: Dr. T. S. LEARY.

Registrar: Miss LINDA FINLEY.

Librarian: Mrs. R. REEDY.

Number of teachers: 337.

Number of students: 6,025.

Publications: *The Log*, *The Corral*, *The McNeese Review*, *The Contraband* (weekly), *Alumni Newsletter* (monthly).

DEANS:

School of Education: Dr. GENE V. CAMPBELL.

School of the Arts: Dr. F. MAURICE PULLIG.

Graduate School: Dr. R. B. LANDERS.

School of Humanities: Dr. J. M. NORRIS.

School of the Sciences: Dr. S. M. SPENCER.

School of Business: Dr. A. L. PERRAULT.

School of Engineering and Technology: Dr. CARROLL KARKALITS.

NICHOLLS STATE UNIVERSITY

THIBODAUX, LOUISIANA 70301

Telephone: (504) 446-8111.

Opened in 1948 as a junior college of Louisiana State University; became Francis T. Nicholls State College 1956, attained university status 1970.

President: Dr. VERNON F. GALLIANO.

Vice-President and Provost: Dr. Donald J. Ayo.
Vice-President, Academic Affairs: Dr. O. E. Lovell, Jr.
Vice-President, Business Affairs: Maurice R. Charitat.
Vice-President, Student Affairs: Dr. G. G. Varvaro.
Library Director: Dr. Randall A. Detro.

The library contains 144,607 vols. and periodicals and 171,543 microforms.

Number of teachers: 170 (full-time).
Number of students: 6,460.

Deans:

Dean of Administration: Elmo C. Authement.
Dean of Admissions and Registrar: S. Dan Montz, Jr.
Dean of Men: William L. Duncan.
Dean of Women: Bonnie Jean Bourg.
College of Business Administration: Dr. Ridley J. Gros, Jr.
College of Education: Dr. D. G. Joseph.
College of Liberal Arts: Dr. Nolan P. Lecompte, Jr.
College of Life Science and Technology: C. J. Falcon.
College of Sciences: Dr. Merlin M. Ohmer.
Graduate School: Dr. Vern A. Pitre.

NORTHEAST LOUISIANA UNIVERSITY

NORTHEAST STATION,
MONROE, LOUISIANA 71209
Telephone: (318) 342-2011.

Founded 1931 as college, attained university status 1970.

President: Dwight D. Vines, D.B.A.
Registrar: Barry M. Delcambre, M.A.
Librarian: Larry D. Larason, PH.D.

The library contains 394,639 vols.

Number of teachers: 359.
Number of students: 9,098.

NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

NATCHITOCHES,
LOUISIANA 71457
Telephone: (318) 357-5701.

Founded 1884 as college, attained university status 1970.

President: René J. Bienvenu.
Registrar: W. P. Ledet.
Librarian: D. N. MacKenzie.

The library contains 200,000 vols.

Number of teachers: 300.
Number of students: 6,500.

OUR LADY OF HOLY CROSS COLLEGE

4123 WOODLAND DRIVE,
NEW ORLEANS,
LOUISIANA 70114
Telephone: (504) 394-7744.
Founded 1916.

President: Sister Enda Eileen Byrne, M.S.C.
Registrar: Sister Ann Louise Arno, M.S.C.
Librarian: Sister Evelyn Eason, M.S.C.

The library contains 58,211 vols.

Number of teachers: 70.
Number of students: 1,037.

ST. MARY'S DOMINICAN COLLEGE

7214 ST. CHARLES AVENUE,
NEW ORLEANS, LOUISIANA 70118
Telephone: 865-7761.
Founded 1910.

President: Dr. Mary G. Shea, I.H.M.
Registrar: Suzanne Matthew.
Librarian: Elaine Wiltse.

The library contains 78,000 vols.

Number of teachers: 76.
Number of students: 850.

SOUTHEASTERN LOUISIANA UNIVERSITY

UNIVERSITY STATION,
HAMMOND, LOUISIANA 70402
Telephone: 549-2000.

Founded 1925 as college, attained university status 1970.

President: Dr. Clea E. Parker.
Registrar: James B. Davis.
Librarian: Dr. F. L. Greaves, Jr.

The library contains 189,820 vols.

Number of teachers: 253 full-time.
Number of students: 7,073.

SOUTHERN UNIVERSITY

BATON ROUGE,
LOUISIANA 70813
Founded 1880.

President: Jesse N. Stone, Jr.
Chancellor Baton Rouge Campus: Roosevelt Steptoe.
System Vice-President for Academic Affairs: James J. Prestage.
Vice-President for Student Affairs and Community Services: Clarence M. Collier.
Vice-President for Research and Planning: Lewis L. White.
Registrar: C. H. Chapman.
Librarian: Mrs. Georgia Brown.

The library contains 268,842 vols.
Number of teachers: 430.
Number of students: 9,512.

TULANE UNIVERSITY OF LOUISIANA

NEW ORLEANS, LOUISIANA 70118
Telephone: 865-4011.

Founded 1834 as Medical College of Louisiana, became Tulane University of Louisiana 1884.

President: Sheldon Hackney, PH.D.
Vice-President: C. Sheps, PH.D.
Vice-President for Health Affairs and Chancellor: J. J. Walsh, M.D.
Vice-President and Dean for Student Services: Donald R. Moore, J.D.
Provost: Frank T. Birtel, PH.D. (acting).
Director of Admissions: John L. Martinez, M.S.
Director of Registration and Records: Earl D. Retif, J.D.
Director of Libraries: William Newman, M.L.S.

Library: *see* Libraries.

Number of teachers: 893 (675 full-time).
Number of students: 9,462.

Deans and Directors:

College of Arts and Sciences: J. E. Gordon, PH.D.
Newcomb College for Women: William J. Smither, PH.D.
Graduate School of Business Administration: James T. Murphy, PH.D. (acting).
School of Engineering: H. A. Thompson, PH.D.
School of Architecture: W. K. Turner, M.ARCH.
School of Law: Paul R. Verkuil, J.S.D.
Graduate School: Frank T. Birtel, PH.D. (acting).
School of Medicine: J. T. Hamlin III, PH.D.
School of Public Health and Tropical Medicine: J. E. Banta, M.P.H.
School of Social Work: F. M. Southerland, M.S.W., M.P.H.
University College and Summer School: Wayne Woody, PH.D. (acting).

Professors:

Adrouny, G. A., PH.D., Biochemistry
Andre, T. J., LL.M., Law
Andrews, E. W., PH.D., Mathematics
Archinard, E. B., M.S.W., Social Work
Arcos, J. C., L.SC., Medicine
Argus, M. F., PH.D., Medicine
Arimura, A., DR.MED.SC., Medicine
Assad, T. J., PH.D., English
Ballard, E. G., PH.D., Philosophy
Bamforth, S. S., PH.D., Biology
Barcelo, J. J. III, B.A., J.D., Law
Barham, M. E., J.D., Law
Batiza, R., LL.B., Law
Beck, C. H., PH.D., Electrical Engineering
Beckjord, P. R., M.B., M.D., D.P.H., Public Health Administration
Beckwith, R. E., PH.D., Management Science
Bell, C. B., PH.D., Mathematics
Beltran-Mora, G. S., M.D., Medicine
Bilodeau, Ina, PH.D., Psychology
Blessey, W. E., C.E., Civil Engineering
Bollier, E. P., PH.D., English
Boothby, N. B., M.F.A., Art
Bowers, C. Y., M.D., Medicine
Boyd, H. W., PH.D., Business Studies
Brizzee, K. R., M.D., Biomedical Science
Brosman, C. H., PH.D., French
Brosman, P. W., PH.D., French
Brown, B. B., PH.D., History
Bruce, R. N., Jr., PH.D., Civil Engineering
Brunstetter, R. W., M.D., Psychiatry and Neurology
Buccino, S., PH.D., Physics
Buchanan, J. J., PH.D., Classical Languages
Burns, K. F., PH.D., D.V.M., D.V.SC., Comparative Medicine
Calogne, W. F., Jr., B.ARCH., Architecture
Carter, C. H., PH.D., History
Carter, J. P., M.D., Nutrition
Carter, M. K., M.D., Pharmacology
Cassidy, Helen E., M.S.W., Social Work
Clemmer, D. I., PH.D., Epidemiology

Clemmer, J., Architecture
Cochrane, J. D., Ph.D., Political Science
Cohen, J., Ph.D., English
Cohen, W., Ph.D., Biochemistry
Comarda, R. M., M.S.W., Social Work
Conway, E. D., Ph.D., Mathematics
Cowin, S. C., Ph.D., Mechanical Engineering
Cronvich, J. A., M.S., S.M., Medicine and Electrical Engineering
Dalia, F. J., Ph.D., Civil Engineering
Davidson, J. F., Ph.D., Political Science
Davis, C. T., Ph.D., History
Delgado, R., M.D., Environmental Health Sciences
Derbes, C., Social Work
Di Luzio, N. R., Ph.D., Physiology
Domer, F. R., Ph.D., Pharmacology
Domingue, G. J., Ph.D., Microbiology
Drake, R. L., Ph.D., Electrical Engineering
Dundee, H., Ph.D., Biology
Dunlap, C. E., A.B., M.D., Pathology
Durnam, F. E., Ph.D., Physics
Edmonson, M. S., Ph.D., Anthropology
Epstein, A. W., M.D., Psychiatry and Neurology
Esthus, R. A., Ph.D., History
Evans, B. B., M.D., Urology
Fagley, T. F., Ph.D., Chemistry
Fingerman, R. J., Ph.D., English
Finneran, R. J., Ph.D., English
Fischer, J. L., Ph.D., Anthropology
Fisher, J. W., Ph.D., Pharmacology
Font, R. G., M.D., Medicine
Frazer, R. M., Ph.D., Classical Languages
Freudenberger, H., Ph.D., Economics
Friedman, Lorraine, Ph.D., Microbiology
Fritchie, C. J., Ph.D., Chemistry
Fuchs, L., Ph.D., Mathematics
Gallant, D. M., M.D., Psychiatry and Neurology
Gerall, A. A., Ph.D., Psychology
Giles, T. D., M.D., Medicine
Goldstein, J. A., Ph.D., Mathematics
Goodman, S. S., Ph.D., Economics
Gottlieb, A. A., M.D., Microbiology
Gotzkowsky, B. K., Ph.D., Slavonic Languages
Grillet, P. A., Ph.D., Mathematics
Gum, O. B., Ph.D., M.D., Medicine
Gunning, G. E., Ph.D., Biology
Guth, P. S., Ph.D., Pharmacology
Gwyn, W. B., Ph.D., Political Science
Hack, M. H., Ph.D., Medicine
Hamburg, C. H., Ph.D., Philosophy
Hamilton, de W. C., Jr., Ph.D., Mechanical Engineering
Hamrick, J. T., M.D., M.P.H., Health Services Administration
Harbert, E. N., Ph.D., Graduate School
Harkin, J. C., M.D., Pathology, Anatomy
Harris, E. H., M.B., Mechanical Engineering
Harris, W. H., Pathology
Hayden, R. G., Ph.D., Social Work
Heath, R. G., D.M.Sc., M.D., Psychiatry and Neurology
Hendrickson, G. W., M.F.A., Speech and Dramatic Art
Hermann, A. M., Ph.D., Physics
Hewitt, R. L., M.D., Surgery
Hofmann, K. H., Ph.D., Mathematics
Holland, M. G., M.D., Ophthalmology
Hrubecky, H. F., Ph.D., Mechanical Engineering
Hyman, A. L., M.D., Surgery
Ichinose, H., M.D., Pathology
James, F. G., Ph.D., History
Johnson, E. J., Ph.D., Microbiology and Immunology
Johnson, H. A., M.D., Pathology
Johnson, H. McK., Geology and Geophysics
Johnson, L. H., S.M., Sc.D., Civil Engineering
Jonassen, H. B., M.S., Ph.D., Chemistry
Jones, J. W., M.D., Surgery
Kastin, A. J., M.D., Medicine
Keller, F. L., Ph.D., Economics
King, A. R., Ph.D., Anthropology
Kirby, R., M.D., Anaesthesiology
Kmen, H. A., Ph.D., History
Knill, R. J., Ph.D., Mathematics
Koenig, F. W., Ph.D., Sociology
Krementz, E. T., M.D., Surgery
Ktsanes, T., Ph.D., Sociology
Laguaite, Jeanette K., Ph.D., Oto-Laryngology
Lamantia, J. R., Jr., B.Arch., Architecture
Lavalle, I. H., D.B.A., Management Science
Law, V. J., Ph.D., Chemical Engineering
Levine, A., Ph.D., Statistics
Li, Y., Ph.D., Biochemistry
Little, M. D., Ph.D., Tropical Medicine
Liu, Y. King, Ph.D., Biomechanics, Orthopaedics
Llewellyn, R. C., M.D., Neuro-Surgery
Lovett, W. A., Ph.D., Law
Luza, R., Ph.D., History
McDougal, L. L., III, LL.M., Law
McKinley, E. W., Ph.D., Economics
McMahon, F. G., M.D., Medicine
Mcpheeters, D. W., Ph.D., Spanish
Malek, E. A., Ph.D., Parasitology
Mason, H. L., Ph.D., Political Science
Meckstroth, G. R., Ph.D., Radiology
Michel, M. L., Jr., Surgery
Miles, H. H. W., M.D., Psychiatry and Neurology
Miller, M. J., Ph.D., Tropical Medicine and Parasitology
Mizell, M., Ph.D., Biology and Anatomy
Mogabgab, W. J., M.D., Medicine
Monachino, F. L., M.M., Music
Montgomery, T. A., Ph.D., Spanish and Portuguese
Monty, J. R., Ph.D., French
Moroney, J. R., Jr., Ph.D., Economics
Morriss, R. H., Ph.D., Physics
Mouton, W. J., Jr., M.S.C.E., Architecture
Murphy, J. T., Ph.D., Finance
Nice, C. M., Jr., M.D., Ph.D., Radiology
Niklaus, J. L., Ph.D., Civil Engineering
Norman, E. C., M.D., Tropical Medicine, Psychiatry and Neurology
Olivera, O. H., Ph.D. ,Spanish and Portuguese
O'Neal, E. C., Ph.D., Psychology
Oppenheimer, L. M., B.Arch., Architecture
Orihel, T. C., Ph.D., Tropical Medicine and Parasitology
Osakwe, C. O., J.S.D., Law
Palmer, V. V., LL.M., Law
Paolini, G., Ph.D., Spanish and Portuguese
Partridge, E. B., Ph.D., English
Paterson, Ruth D., M.D., Medicine and Psychiatry and Neurology
Patterson, A. J., D.T.M. & H., Tropical Medicine and International Health
Peacock, E. E., M.D., Surgery
Percy, B. P., LL.B., Law
Peschel, J. L., J.D., Law
Peyronnin, C. A., M.S., Mechanical Engineering
Phillips, J. H., M.D., Medicine
Pierce, W. A., Jr., Ph.D., Microbiology and Immunology
Pizer, D., Ph.D., English
Poesch, J. J., Ph.D., Art History
Powell, R. O., Ph.D., Architecture
Preston, R. E., Ph.D., Music
Purrington, R. D., Ph.D., Physics
Puyau, F. A., M.D., Paediatrics and Radiology
Quigley, F. D., Ph.D., Mathematics
Quittner, H., M.D., Pathology
Rankin, H. F., Ph.D., History
Ray, C. T., M.D., Medicine
Reck, A. J., Ph.D., Philosophy
Redman, H., Jr., Ph.D., French
Reed, R. J., M.D., Pathology
Reiss, F. K., LL.M., Business Studies
Roberts, J. A., M.D., Urology
Roberts, Louise, Ph.D., Philosophy
Roberts, Warren, Jr., Ph.D., Political Science
Robertson, D., Ph.D., Art History
Robins, R. S., Ph.D., Political Science
Robinson, L. H., M.D., Psychology
Rogers, J. T., Jr., Ph.D., Mathematics
Roman, P. M., Ph.D., Sociology
Roppolo, J. P., Ph.D., English
Rosencrans, S. I., Ph.D., Mathematics
Ryan, R. F., M.D., Plastic Surgery
Salvaggio, J. E., M.D., Medicine
Schally, A. V., Ph.D., Medicine
Schenker, R. L., B.Arch., Architecture
Schlegel, J. U., M.D., Ph.D., Urology and Surgery
Schneidau, J. D., Ph.D., Microbiology and Immunology
Serfling, R. E., Ph.D., Tropical Medicine and Public Health
Seto, Y. J., Ph.D., Electrical Engineering
Shirkey, H. C., M.D., Paediatrics
Simmons, J. L., Ph.D., English
Skinner, H. C., Ph.D., Geology
Smalley, A. E., Ph.D., Biology
Smither, W. J., Ph.D., Spanish and Portuguese
Sogin, H. N., Ph.D., Mechanical Engineering
Sperry, C. J., M.S., Electrical Engineering
Steele, R. H., Ph.D., Biochemistry
Steg, J. L., M.A., Art
Sternberg, W. H., B.A., M.D., Pathology
Stjernholm, R. L., Ph.D., Biochemistry
Stone, F. F., J.S.D., Law
Struppeck, J., M.A., Art
Stuckey, W. J., Jr., M.D., Medicine
Sulzer, J. L., Ph.D., Psychology
Suttkus, R. D., Ph.D., Biology
Sweeney, J. M., LL.B., Law
Tabb, H. G., B.S., Oto-Laryngology
Tanner, J. E., Ph.D., Economics
Threefoot, S. A., M.D., Medicine
Trivigno, Pat., M.A., Art
Tyler, D. H., M.B.A., Business Studies
Van Gelder, D. W., M.D., Paediatrics
Vliet, D. H., Ph.D., Electrical Engineering
Volpe, E. P., Ph.D., Biology
Walker, L. B., Ph.D., Anatomy
Wall, B. H., Ph.D., History
Waring, W. W., M.D., Paediatrics
Weaver, R. E., Ph.D., Chemical Engineering
Webb, W., M.D., Surgery
Weill, H., M.D., Medicine
Welden, A. L., Ph.D., Biology
Wickstrom, J. K., M.D., Orthopaedics
Williams, M. J., M.D., Surgery
Woodward, R. E., Ph.D., History
Woody, H. B., M.D., Paediatrics
Woody, N. C., M.D., Paediatrics
Yaeger, R. G., Ph.D., Tropical Medicine and Parasitology
Yard, R. N., Ph.D., Physical Education
Yates, R. D., Ph.D., Anatomy
Zeff, S. A., Ph.D., Accounting
Ziskind, M. M., M.D., Medicine

Attached Institutes:

Center for Latin American Studies: f. 1966; Dir. R. E. Greenleaf, Ph.D.

Delta Regional Primate Research Center: f. 1964; Dir. P. J. Gerone, Sc.D.

Middle American Research Institute: *see* under Research Institutes.

Center for Business History Studies: f. 1975; Dir. B. H. Wall, Ph.D.

Center for Teacher Education: f. 1962; Dir. LOUIS E. BARRILLEAUX, PH.D.

UNIVERSITY OF NEW ORLEANS

NEW ORLEANS, LOUISIANA
70122
Telephone: (504) 283-0366.

Established in 1956 by Act 60 of Louisiana State Legislature. Metropolitan campus of the Louisiana State University System.

Chancellor: HOMER L. HITT, PH.D.
Vice-Chancellor for Academic Affairs: GEORGE C. BRANAM, PH.D.
Vice-Chancellor for Business Affairs and Comptroller: GEORGE D. D'AQUIN, Jr., B.C.S.
Vice-Chancellor for Student Affairs: EDGAR E. BURKS, M.A.
Vice-Chancellor for Development and Research Services: JEROME P. DICKHAUS, M.A.
Director of Admissions and Records: S. MARK STRICKLAND, M.B.A.
Director of Library: DONALD D. HENDRICKS, PH.D.

The library contains 750,000 vols.

Number of teachers: 600.

Number of students: 14,000.

Publications: *Statistical Abstract of Louisiana, Mississippi Valley Journal of Business and Economics, Division of Business and Economic Research Studies and Reports, Community Outreach, The UNO Graduate School Program.*

DEANS:

Graduate School: J. R. BOBO, PH.D.
College of Business Administration: JOHN E. ALTAZAN, PH.D.
College of Education: MILTON L. FERGUSON, ED.D.
College of Liberal Arts: C. R. MACKIN, PH.D.
College of Sciences: BILL J. GOOD, PH.D.
School of Engineering: FRITZ E. DOHSE, PH.D.
Junior Division: JAMES W. ELLIS, PH.D.
Division of Continuing Education: ALBAN F. VARNADO, PH.D.
Dean of Student Development: E. FRANK MASINGILL, PH.D.

UNIVERSITY OF SOUTHWESTERN LOUISIANA

U.S.L. STATION,
LAFAYETTE, LOUISIANA 70504
Telephone: (318) 264-6000.
Founded 1898.

President: R. AUTHEMENT.
Registrar: W. CHAMPAGNE.
Librarian: DONALD SAPORITO.

The library contains 425,000 vols.

Number of teachers: 584.

Number of students: 13,318.

Publications: *The USL History Series, Proceedings of French-North America Symposium* (irregular), *Louisiana History* (quarterly), *Attakapas Gazette* (2 a year), *The USL Research Series* (irregular), *Revue de Louisiane* (2 a year).

XAVIER UNIVERSITY OF LOUISIANA

7325 PALMETTO ST.,
NEW ORLEANS,
LOUISIANA 70125
Telephone: (504) 486-7411.
Founded 1915.

President: NORMAN C. FRANCIS.
Director of Admissions: Dr. ALFRED GUILLAUME.
Director of Student Financial Aid: LINDA CHAPITAL.
Librarian: LESLIE MORRIS.

The library contains 100,000 volumes.

Number of teachers: 133.

Number of students: 1,800.

DEANS:

University Dean: Sister MARY VERONICA DRAWE, S.B.S.
College of Arts & Sciences: Sister MIRIAM F. QUINN, S.B.S.
College of Pharmacy: Dr. DUANE ALDOUS.
Graduate School: JULIAN A. PARKER.

MAINE

BATES COLLEGE

LEWISTON, MAINE 04240
Telephone: (207) 782-5531.
Founded 1864.

President: Dr. THOMAS H. REYNOLDS.
Dean of Faculty: Dr. CARL B. STRAUB.
Dean of Admissions: RALPH R. DAVIS.
Librarian: JOSEPH J. DERBYSHIRE.

The library contains 239,000 vols.

Number of teachers: 116.

Number of students: 1,370.

BOWDOIN COLLEGE

BRUNSWICK, MAINE 04011
Incorporated 1794.

President: WILLIAM F. ENTEMAN, PH.D.
Dean of Faculty: ALFRED H. FUCHS, PH.D.
Vice-President for Administration and Finance: W. A. HOKANSON, Jr., M.B.A.
Vice-President for Development: C. W. RING, A.B.
Registrar: HELEN B. JOHNSON.
Bursar: T. M. LIBBY, A.B.
Dean of College: PAUL L. NYHUS, PH.D.
Dean of Students: WENDY W. FAIREY, PH.D.
Librarian: A. MONKE, M.S.

The library contains 517,631 vols.

Number of teachers: 102.

Number of students: 827 men, 509 women.

Publications: *Bowdoin Alumnus*† (5 a year), *Bowdoin College Bulletin*† (quarterly), *The British Studies Monitor*† (3 a year).

COLBY COLLEGE

WATERVILLE, MAINE 04901
Founded 1813.

President: ROBERT E. L. STRIDER.
Vice-President: R. W. PULLEN.
Treasurer: KARL BROEKHUIZEN.
Dean of Faculty: P. G. JENSON.
Dean of Students: EARL H. SMITH.
Dean of Admissions: H. CARROLL.
Librarian: W. STUART DEBENHAM.

The library contains 300,000 volumes.

Number of teachers: 159, including 36 professors.

Number of students: 889 men, 737 women, total 1,626.

Publications: *Library Quarterly*†, *Colby Alumnus*†, *Colby*†, *Annual Catalog*†.

NASSON COLLEGE

MAIN STREET,
SPRINGVALE, MAINE 04083
Telephone: (207) 324-5340.
Founded 1912.

President: WILLIAM G. COLE.
Registrar: WILLIAM W. HOAG.
Director-Librarian: R. J. BERKLEY.

The library contains 110,000 volumes.

Number of teachers: 50.

Number of students: 600

SAINT FRANCIS COLLEGE

BIDDEFORD, MAINE 04005
Founded 1953.

President: JACK S. KETCHUM.
Dean: RAYMOND N. KIEFT, PH.D.
Dean of Student Life: THOMAS B. POLSON.

The library contains 65,000 vols.

Number of teachers: 21 full-time, 20 part-time.

Number of students: 400.

SAINT JOSEPH'S COLLEGE

NORTH WINDHAM, MAINE 04062
Telephone: 892-6766.
Founded 1915.

President: BERNARD P. CURRIER.
Registrar: Sister MARY ALINE.
Academic Dean: Sr. M. DOLORES SABLONE.
Librarian: Sister FLEURETTE KENNON.

The library contains 40,000 vols.

Number of teachers: 49.

Number of students: 568.

UNIVERSITY OF MAINE AT FARMINGTON

FARMINGTON, MAINE 04938

Telephone: (207) 778-3501.

Founded 1864 as college, attained university status 1970.

President: Dr. Einar A. Olsen.
Vice-President for Academic Affairs: Dr. Dick C. Rice.
Vice-President for Finance and Administration: Roger G. Spear.
Director of Admissions: J. A. McLaughlin.
Librarian: John Burnham.

The library contains 80,000 vols.

Number of teachers: 106.
Number of students: 1,640.

UNIVERSITY OF MAINE AT ORONO

ORONO, MAINE 04473

Telephone: Orono 581-1110.

Founded 1865.

President: Howard R. Neville, Ph.D.
Vice-President for Academic Affairs: J. M. Clark, Ph.D.
Registrar: John Collins.
Vice-President for Student Affairs: A. M. Kaplan, Ph.D.
Vice-President for Finance and Administration: J. M. Blake.
Vice-President for Research and Public Service: F. R. Hutchinson, Ph.D.
Librarian: J. MacCampbell, Ph.D.

Number of teachers: 596.

Number of students: 6,108 men, 4,580 women, total 10,688.

Publications: *Bulletin, Maine Studies, Agricultural Experimental Station Publications, Co-operative Extension Bulletins, Technology Experiment Station Publications.*

Deans:

College of Life Sciences and Agriculture: Kenneth E. Wing, Ph.D.
College of Arts and Sciences: Gordon A. Haaland, Ph.D.
College of Business Administration: W. S. Devino, Ph.D.
College of Engineering and Science: B. Myers, Ph.D.
College of Education: J. Muro, Ed.D.
Graduate School: H. Hooper, Ph.D.

UNIVERSITY OF MAINE AT PORTLAND-GORHAM

GORHAM, MAINE 04038

Telephone: (207) 839-6771.

Founded 1878.

President: N. Edd Miller.
Registrar: John F. Keysor.
Director of Admissions: William J. Munsey.
Librarian: Clifton F. Giles, Jr.

The library contains 250,000 volumes.

Number of teachers: 244.
Number of students: 7,602.

MARYLAND

COLUMBIA UNION COLLEGE

TAKOMA PARK,
MARYLAND 20012

Telephone: (301) 270-9200.

Founded 1904.

President: Dr. William Loveless.
Dean: Dr. Fred Hauck.
Director of Development: Fenton Froom.
Director of Religious Activities: N. Johnson.
Registrar: J. Gurubatham.
Librarian: Margaret von Hake.

The library contains 95,000 vols.

Number of teachers: 100.
Number of students: 925.

Publications: *The Sligonian* (weekly), *The Columbian* (quarterly), *The Bulletin, Columbia Perspectives* (bi-annually), *Golden Memories, Montage* (annually).

COPPIN STATE COLLEGE

2500 WEST NORTH AVENUE,
BALTIMORE, MARYLAND 21216

Telephone: 383-4500.

Founded 1900.

President: Calvin W. Burnett.
Vice-President for Academic Affairs: Cassell Lawson.
Vice-President for Business & Finance: Joseph Haskins, Jr.
Vice-President for Institutional Planning & Development: Robert B. Chapman, III.
Vice-President for Student Affairs: Ronald K. DeSouza.
Registrar: Marvin G. Logan.
Librarian: Joseph A. Boyce.

The library contains 101,045 vols.

Number of teachers: 143 full-time, 90 part-time.

Number of students: 1,933 day, 916 evening, 256 postgraduates, total 3,105.

FROSTBURG STATE COLLEGE

COLLEGE AVENUE,
FROSTBURG, MARYLAND 21532

Telephone: 689-4000.

Founded 1898.

President: Nelson P. Guild.
Registrar: (vacant).
Director of Admissions: D. Sanford.
Librarian: J. J. Zimmerman.

The library contains 141,000 vols.

Number of teachers: 171.
Number of students: 3,581.

GOUCHER COLLEGE

TOWSON, MARYLAND 21204

Founded 1885.

President: Rhoda M. Dorsey.
Dean: James Billet.
Dean of Students: Julie Collier-Adams.
Registrar: Evelyn D. Schroedl.
Director of Admission: B. Barbara Boerner.
Librarian: Sarah D. Jones.

Number of teachers: 123, including 28 professors.

Number of students: 962 women, 8 men.

Publications: *Weekly, Donnybrook Fair, Preface, The Goucher Quarterly.*

HOOD COLLEGE

FREDERICK, MARYLAND 21701

Founded 1893.

President: Martha E. Church, Ph.D., Sc.D.
Treasurer: Larry T. Campbell.
Provost: Mary S. Metz, Ph.D.
Vice-President for Administration: Joseph A. Pastore.
Vice-President for Development: William S. Bivens.
Registrar: Loretta M. Bassler, A.M.
Librarian: Marion U. Rueth, M.A. in L.S.

The library contains 111,081 vols.

Number of teachers: 82 full-time, 46 part-time.

Number of students: 1,565.

Publications: *Catalogue, Prospectus, Alumnae Magazine, Graduate Bulletin.*

Deans:

Student Affairs: E. Susan Petering, A.M.
Graduate Program: Marvin E. Farbstein, Ed.D.
Academic Affairs: Mary S. Metz, Ph.D.

JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

Telephone: (301) 338-8000.

Founded 1876.

Private control; academic year: September to June.

President: Steven Muller, Ph.D.
Provost: Richard P. Longaker, Ph.D.
Vice-President for Administrative Services: Richard A. Zdanis, Ph.D.
Vice-President for Finance and Management Systems: Robert C. Bowie.
Vice-President for Health Divisions: Richard S. Ross, M.D.
Vice-President for Institutional Affairs: Ross Jones, M.S.
Registrar: Robert E. Cyphers, M.Ed.
Librarian: Richard A. Polacsek, M.D. (acting).

Library: *see* Libraries.

Number of full-time teachers: 1,278, including 332 full professors.

Number of students: 9,700.

Deans:

Homewood Faculties: George E. Owen, Ph.D.

Faculty of Arts and Sciences: Sigmund R. Suskind, ph.d.
Faculty of Engineering: V. David VandeLinde, ph.d.
Faculty of Medicine: Richard S. Ross, m.d.
School of Hygiene and Public Health: Donald A. Henderson, m.d., m.p.h.
Evening College: Roman J. Verhaalen, ph.d.
School of Advanced International Studies: Robert E. Osgood, ph.d.
Peabody Conservatory of Music: Elliott W. Galkin, ph.d. (Director).
Applied Physics Laboratory: Alexander Kossiakoff, ph.d. (Director).

Professors:

Homewood Faculties (Arts and Sciences and Engineering):

Achinstein, P., ph.d., Philosophy
Ackers, G. K., ph.d., Biology
Ahern, Emily, ph.d., Anthropology
Armstrong, L., Jr., ph.d., Physics
Arrowsmith, W., ph.d., Humanities and Classics
Balassa, Bela, ph.d., Political Economy
Baldwin, J., ph.d., History
Barker, S. F., ph.d., Philosophy
Barth, J., m.a., Writing Seminars and English
Beer, M., ph.d., Biophysics
Bell, J. F., b.a., Mechanics and Materials Science
Benton, G. S., ph.d., Earth and Planetary Science; Mechanics and Materials Science
Bessman, M., ph.d., Biology
Bloch, A., ph.d., Chemistry
Boardman, J. M., ph.d., Mathematics
Brand, L., ph.d., Biology
Braudy, L., ph.d., English
Brush, L. M., ph.d., Geography and Environmental Engineering; Earth and Planetary Sciences
Carlson, F. D., ph.d., Biophysics
Cebra, J., ph.d., Biology
Chapanis, A., ph.d., Psychology
Chien, C.-Y., ph.d., Physics
Christ, C. F., ph.d., Political Economy
Clay, D., ph.d., Classics
Cohen, D., ph.d., History and Anthropology
Cone, R. A., ph.d., Biophysics
Corrsin, S., ph.d., Mechanics and Materials Science
Cowan, D., ph.d., Chemistry
Crenson, M., ph.d., Political Science
Cummings, M., ph.d., Political Science
Curtin, P., ph.d., History
Davis, S. H., ph.d., Mechanics and Materials Science, Earth and Planetary Science
De Soto, C. B., ph.d., Psychology
Dietze, G., dr. jur., ph.d., s.j.d., Political Science
Doering, J., ph.d., Chemistry
Domokos, G., ph.d., Physics
Edidin, M., ph.d., Biology
Egeth, H., ph.d., Psychology
Elliott, D., ph.d., Earth and Planetary Sciences
Entwisle, Doris, ph.d., Social Relations
Ericksen, J. R., ph.d., Mechanics and Materials Science
Eugster, H. P., dr.sci.nat., Earth and Planetary Science
Feldman, G., ph.d., Physics
Feldman, P., ph.d., Physics
Fish, S., ph.d., English
Fisher, G. W., ph.d., Earth and Planetary Science
Fisher, J., ph.d., Geography and Environmental Engineering
Fitzgerald, E. R., ph.d., Mechanics and Materials Science
Flathman, R. C., ph.d., Political Science
Fleishman, A., ph.d., English
Forster, R., ph.d., History
Freehling, W. W., ph.d., History
Fried, M., ph.d., Humanities and History of Art
Fulton, T., ph.d., Physics
Galambos, L. P., ph.d., History
Garvey, W., ph.d., Psychology
Girard, R., ph.d., Romance Languages and Humanities
Goedicke, H., ph.d., Near Eastern Studies
Goldstein, M., d.sc., Electrical Engineering
Goldthwaite, R., ph.d., History
Gore, W. C., d.eng., Electrical Engineering
Green, B. F., ph.d., Psychology
Green, R. E., Jr., ph.d., Mechanics and Materials Science
Greenberger, M., ph.d., Mathematical Science
Greene, J., ph.d., History
Gryder, J., ph.d., Chemistry
Hanke, S., ph.d., Geography and Environmental Engineering, Political Economy
Hannaway, O., ph.d., History of Science
Hardie, L. A., ph.d., Earth and Planetary Science
Harrington, W. F., ph.d., Biology
Hartman, P., ph.d., Mathematics
Hartman, P. E., ph.d., Biology
Harvey, D., ph.d., Geography and Environmental Engineering
Henry, R., ph.d., Physics
Higham, J., ph.d., History
Hillers, D., ph.d., Near Eastern Studies
Hogan, R., ph.d., Psychology, Social Relations
Holland, J., ph.d., Social Relations and Psychology
Holland, L. B., ph.d., English
Horn, R., ph.d., Mathematical Sciences
Howard, J. W., ph.d., Political Science
Huang, R. C., ph.d., Biology
Huggins, W. H., sc.d., Electrical Engineering
Hulse, S. H., ph.d., Psychology
Igusa, J.-I., ph.d., Mathematics
Irwin, J., ph.d., Writing Seminars
Joseph, R., ph.d., Electrical Engineering
Judd, B., ph.d., Physics
Kargon, R. H., ph.d., History of Science
Kempf, G., ph.d., Mathematics
Kenner, H., ph.d., English
Kessler, H., ph.d., History of Art
Kim, C. W., ph.d., Physics
Knight, F., ph.d., History
Kosaraju, S. R., ph.d., Electrical Engineering
Koski, W. S., ph.d., Chemistry
Kovasznay, L. S. G., dr.tech.sc., Mechanics and Materials Science
Kurth, Lieselotte E., ph.d., German
Larrabee, M. G., ph.d., Biophysics
Lee, Y. C., ph.d., Biology
Lee, Y. K., ph.d., Physics
Lidke, V., ph.d., History
Liska, G., ph.d., Political Science
Long, R. R., ph.d., Mechanics and Materials Science, Earth and Planetary Science
Longaker, R., ph.d., Political Science
Love, W., ph.d., Biophysics
Luck, G., ph.d., Classics
Lynn, K. S., ph.d., History
MacDonald, C., m.a., Writing Seminars
Macksey, R., ph.d., Humanistic Studies
Madansky, L., ph.d., Physics
McClain, W. H., ph.d., German
McDill, E., ph.d., Social Relations
McGann, J., ph.d., English
Mintz, S., ph.d., Anthropology
Moos, H. W., ph.d., Physics
Moudrianakis, E., ph.d., Biology
Muller, S., ph.d., Political Science
Murr, B. L., ph.d., Chemistry
Naddor, E., ph.d., Mathematical Science
Newman, P., d.sc., Political Economy
Nickon, A., ph.d., Chemistry
Olson, P., ph.d., Romance Languages
Ono, T., ph.d., Mathematics
Orgel, S., ph.d., English
Owen, G. E., ph.d., Physics
Peabody, R. L., ph.d., Political Science
Pevsner, A., ph.d., Physics
Phillips, O. M., ph.d., Earth and Planetary Science
Pocock, J. G., ph.d., History
Pond, R. B., b.s., Mechanics and Materials Science
Price, K., ph.d., Philosophy and Education
Price, R., ph.d., Anthropology
Pritchard, D. W., ph.d., Earth and Planetary Science
Ranum, O., ph.d., History
Revelle, C., ph.d., Geography and Environmental Engineering
Robinson, D. W., ph.d., Chemistry
Rose, H., ph.d., Political Economy
Rose, W. L., ph.d., History
Roseman, S., ph.d., Biology
Rourke, F. E., ph.d., Political Science
Russell-Wood, A. J. R., ph.d., History
Saccone, E., lic. in lett., Romance Languages
Sachs, D., ph.d., Philosophy
Sampson, J. H., ph.d., Mathematics
Schwarz, W., dr.eng., Mechanics and Materials Science
Seliger, H., ph.d., Biology
Shalika, J., ph.d., Mathematics
Shiffman, B., ph.d., Mathematics
Sieber, H., ph.d., Romance Languages
Silverstone, H. J., ph.d., Chemistry
Smith, T., ph.d., Education and History
Spring, D., ph.d., History
Stanley, J., ed.d., Psychology
Stanley, S., ph.d., Earth and Planetary Sciences
Stanton, Phoebe, ph.d., History of Art
Stein, A., ph.d., English
Strauss, M., ph.d., Psychology
Struever, Nancy, ph.d., Humanities and History
Suskind, S. R., ph.d., Biology
Torgerson, W., ph.d., Psychology
Truesdell, C., ph.d., Mechanics and Materials Science
Tucker, R. W., ph.d., Political Science
VandeLinde, V. D., ph.d., Electrical Engineering
Verheyen, E., ph.d., History of Art
Walker, J. C., ph.d., Physics
Walker, M., ph.d., History
Walters, A., ph.d., Political Economy
Westgate, C., ph.d., Electrical Engineering
White, E. H., ph.d., Chemistry
Wolman, M. G., ph.d., Geography
Young, J. H., ph.d., Classics
Zdanis, R. A., ph.d., Physics

Faculty of Medicine:

Asper, S. P., Jr., m.d., Medicine
August, J. T., m.d., Pharmacology and Experimental Therapeutics

Baker, R. R., M.D., Surgery and Oncology
Bennett, J. E., M.D., Medicine
Boyer, S. H., IV, M.D., Medicine
Brady, J. V., PH.D., Psychiatry
Brusilow, S. W., M.D., Paediatrics
Childs, B., M.D., Paediatrics
Coffey, D. S., PH.D., Pharmacology and Experimental Therapeutics, Oncology, and Urology
Conley, C. L., M.D., Medicine
Conn, R. B., Jr., M.D., Laboratory Medicine
Dintzis, H. M., PH.D., Biophysics
Donner, M. W., M.D., Radiology
Dorst, J. P., M.D., Radiology
Drachman, D. B., M.D., Neurology
Elkes, J., M.D., Psychiatry
Freedberg, I. M., M.D., Dermatology
Frost, J. K., M.D., Pathology
Gann, D. S., M.D., Biomedical Engineering, Emergency Medicine and Surgery
Gott, V. L., M.D., Surgery
Green, W. R., M.D., Ophthalmology
Haller, J. A., Jr., M.D., Paediatric Surgery and Emergency Medicine
Hardy, J. M. B., M.D., C.M., Paediatrics
Harvey, A. M., M.D., Medicine
Hendrix, T. R., M.D., Medicine
Heptinstall, R. H., M.D., Pathology
Heyssel, R. M., M.D., Medicine
Hodges, F. J. III, M.D., Radiology
Hoopes, J. E., M.D., Plastic Surgery
Hughes, W. T., Jr., M.D., Paediatrics—Infectious Diseases
Humphries, J. O., M.D., Medicine
Ishizaka, K., M.D., Medicine and Microbiology
Jeffs, R. D., M.D., Paediatric Urology
Johns, R. J., M.D., Biomedical Engineering and Medicine
Johnson, R. T., M.D., Neurology and Microbiology
Jones, G. S., M.D., Gynaecology and Obstetrics
Kidd, B. S. L., M.D., Paediatric Cardiology
King, T. M., M.D., PH.D., Gynaecology and Obstetrics
Lane, M. D., PH.D., Physiological Chemistry
Lehninger, A. L., PH.D., Physiological Chemistry
Lennarz, W. J., PH.D., Physiological Chemistry
Lichtenstein, L. M., M.D., Medicine
Littlefield, J. W., M.D., Paediatrics
Long, D. M., M.D., PH.D., Neurological Surgery
McHugh, P. R., M.D., Psychiatry
McKhann, G. M., M.D., Neurology
McKusick, V. A., M.D., Medicine
Margolis, S., M.D., PH.D., Medicine
Maumenee, A. E., M.D., Ophthalmology
Mayer, M. M., PH.D., Microbiology
Meyer, E., III, M.D., Psychiatry and Medicine
Migeon, C. J., M.D., Paediatrics
Milnor, W. R., M.D., Physiology
Money, J. W., PH.D., Medical Psychology
Moser, H. W., M.D., Neurology and Paediatrics
Mountcastle, V. B., M.D., Physiology
Murphy, E. A., M.D., SC.D., Medicine
Nagel, E. L., M.D., Anaesthesiology
Nager, G. T., M.D., Laryngology and Otology
Nathans, D., M.D., Microbiology
Norman, P. S., M.D., Medicine
Order, S. E., M.D., Oncology and Radiology
Owens, A. H., Jr., M.D., Medicine and Oncology
Patz, A., M.D., Ophthalmology
Pedersen, P. L., PH.D., Physiological Chemistry
Permutt, S., M.D., Medicine
Poggio, G. F., M.D., Physiology
Polacsek, R. A., M.D., Medical Bibliography
Poljak, R. J., PH.D., Biophysics
Pollard, T. D., M.D., Anatomy
Proctor, D. F., M.D., Laryngology and Otology
Riley, L. H., Jr., M.D., Orthopaedic Surgery
Robinson, C. H., PH.D., Pharmacology and Experimental Therapeutics
Robinson, D. A., DR.ENG., Ophthalmology and Biomedical Engineering
Robinson, R. A., M.D., Orthopaedic Surgery
Ross, R. S., M.D., Medicine
Sagawa, K., M.D., PH.D., Biomedical Engineering
Santos, G. W., M.D., Oncology and Medicine
Schmeisser, G., Jr., M.D., Orthopaedic Surgery
Schuster, M. M., M.D., Medicine
Scott, W. W., M.D., PH.D., Urology
Shepard, R. H., M.D., Biomedical Engineering and Physiology
Siebens, A. A., M.D., Surgery and Medicine
Siegelman, S. S., M.D., Radiology
Silverstein, A. M., PH.D., Ophthalmology
Smith, G. W., M.D., Surgery
Smith, H. O., M.D., Microbiology
Snyder, S. H., M.D., Pharmacology and Experimental Therapeutics and Psychiatry
Stevenson, L. G., M.D., PH.D., History of Medicine
Talalay, P., M.D., Pharmacology and Experimental Therapeutics
Talamo, R. C., M.D., Paediatrics
Tumulty, P. A., M.D., Medicine
Udvarhelyi, G. B., M.D., Neurological Surgery
Waalkes, T. P., M.D., PH.D., Oncology
Wagner, H. N., Jr., M.D., Radiology and Medicine
Walker, D. G., PH.D., Anatomy
Walker, W. G., M.D., Medicine
Walser, McK., M.D., Pharmacology and Experimental Therapeutics and Medicine
Walsh, P. C., M.D., Urology
Williams, G. M., M.D., Surgery
Woodruff, J. D., M.D., Gynaecology and Obstetrics
Yardley, J. H., M.D., Pathology
Zierler, K. L., M.D., Physiology and Medicine
Zieve, P. D., M.D., Medicine
Zinkham, W. H., M.D., Paediatrics and Oncology
Zuidema, G. D., M.D., Surgery

School of Hygiene and Public Health:
Abbey, H., SC.D., Biostatistics
Baker, T. D., M.D., M.P.H., International Health
Bang, F. B., M.D., Pathobiology
Bright, M., PH.D., Behavioural Science
Bromberger-Barnea, B., PH.D., Environmental Health Sciences
Bueding, E., M.D., Pathobiology
Bushel, A., D.D.S., M.P.H., Health Services Administration
Chow, L. P., M.D., DR.P.H., Population Dynamics
Cohen, B., PH.D., M.P.H., Epidemiology
Cole, G. A., PH.D., Epidemiology
Comstock, G. W., M.D., DR.P.H., Epidemiology
Cornely, D. A., M.D., M.P.H., Maternal and Child Health
Dannenberg, A. M., Jr., M.D., PH.D., Environmental Health Sciences
Diamond, E. L., PH.D., Epidemiology
Duncan, D. B., PH.D., Biostatistics
Ewing, L. E., PH.D., Population Dynamics
Flagle, C. D., D.ENG., Health Services Administration
Gittelsohn, A. M., PH.D., M.P.H., Biostatistics
Goldberg, A. M., PH.D., Environmental Health Sciences
Goodman, H. C., M.D., Pathobiology
Gordis, L., M.D., DR.PH., Epidemiology
Gould, E., PH.D., Mental Hygiene
Graham, G. G., M.D., International Health
Green, G. M., M.D., Environmental Health Sciences
Green, L. W., DR.P.H., Health Services Administration
Grossman, L., PH.D., Biochemistry
Gruenberg, E. M., M.D., DR.P.H., Mental Hygiene
Hardy, W. G., PH.D., Health Services Administration
Henderson, D. A., M.D., M.P.H., Health Services Administration
Herriott, R. M., PH.D., Biochemistry
Hsu, Y. C., M.D., Pathobiology
Huang, P. C., PH.D., Biochemistry
Hume, J. C., M.D., DR.P.H., Health Services Administration
Kahn, H. A., M.A., Epidemiology
Kantner, J. F., PH.D., Population Dynamics
Kimball, A. W., PH.D., Biostatistics
Kramer, M. S., SC.D., Mental Hygiene
Kruse, C. W., DR.P.H., Environmental Health Sciences
Lerner, M., PH.D., Health Services Administration
Levin, M. L., M.D., DR.P.H., Epidemiology
Levy, D. A., M.D., Biochemistry
Lilienfeld, A. M., M.D., M.P.H., Epidemiology
Mandell, W., PH.D., M.P.H., Mental Hygiene
Matanoski, G. M., M.D., DR.P.H., Epidemiology
Nathanson, N., M.D., Epidemiology
Navarro, V., M.D., DR.P.H., Health Services Administration
Parker, R. D., PH.D., Health Services Administration
Price, D. E., M.D., DR.P.H., Health Services Administration
Reinke, W. V., PH.D., International Health
Rider, R. V., SC.D., Population Dynamics
Ross, A., PH.D., Biostatistics
Royall, R. M., PH.D., Biostatistics
Rubin, R. J., PH.D., Environmental Health Sciences
Schiller, E. L., SC.D., Pathobiology
Schoenrich, E. H., M.D., M.P.H., Health Services Administration
Schuetz, A. W., PH.D., Population Dynamics
Seltser, R., M.D., M.P.H., Epidemiology
Shah, K. V., M.B.B.S., DR.P.H., Pathobiology
Shapiro, S., B.S., Health Services Administration
Sirageldin, I. A., PH.D., Population Dynamics
Sladen, W. J. L., M.D., PH.D., Pathobiology
Southwick, C. H., PH.D., Pathobiology
Starfield, B. H., M.D., M.P.H., Health Services Administration
Taylor, C. E., M.D., DR.P.H., International Health
Ts'o, P. O. P., PH.D., Biochemistry
Wang, S. Y., PH.D., Environmental Health Sciences

White, P. E., ph.d., Behavioural Sciences
Williamson, J. W., m.d., Health Services Administration
Wright, R. D., m.d., m.p.h., International Health
Young, J. P., d.eng., Health Services Administration
Zelnik, M., ph.d., Population Dynamics

School of Advanced International Studies:
Calleo, D., ph.d., European Studies
Dinerstein, H. S., ph.d., Soviet Studies
Fassberg, H. E., ph.d., Quantitative Methods
Frank, I., ph.d., International Economics
Hansen, R. D., ph.d., International Organizations
Khadduri, M., ph.d., Middle East Studies
Liska, G., ph.d., Political Science
Lystad, R. A., ph.d., African Studies
McKay, V., ph.d., African Studies
Osgood, R. C., ph.d., American Foreign Policy
Pearson, C. S., ph.d., International Economics
Roett, R., ph.d., Latin American Studies
Schwebel, S. M., ll.b., International Law
Tucker, Robert W., ph.d., Political Science

THE MARYLAND INSTITUTE, COLLEGE OF ART

1300 WEST MT. ROYAL AVE.,
BALTIMORE, MARYLAND 21217
Telephone: (301) 669-9200.
Founded 1826.

President: Dr. Theodore E. Klitzke (acting).
Registrar: Miss Ann Heether.
Academic Dean: Dr. T. Klitzke.
Librarian: J. Stoneham.

The library contains 30,000 vols.
Number of teachers: 85.
Number of students: 1,542.

MORGAN STATE UNIVERSITY

HILLEN RD. AND
COLD SPRING LANE
BALTIMORE, MARYLAND 21239
Founded 1867.

President: Dr. Andrew Billingsley.
Vice-President of Academic Affairs: Horace A. Judson.
Vice-President for Business and Finance: Dr. Wright L. Lassiter.
Dean of the College of Arts and Sciences: Dr. Robert B. Johnson.
Registrar: H. Stansbury.
Director of Library: George C. Grant.

The library contains 403,711 vols.
Number of teachers: 299.
Number of students: 5,297.

MOUNT SAINT MARY'S COLLEGE

EMMITSBURG, MARYLAND 21727
Telephone: (301) 447-6122.
Founded 1808.

President: Dr. Robert J. Wickenheiser.
Dean: Dr. John Campbell.
Registrar: G. Baker.
Librarian: T. K. Fitzpatrick.

The library contains 105,000 vols.
Number of teachers: 73.
Number of students: 1,215.

SAINT JOHN'S COLLEGE

ANNAPOLIS, MARYLAND 21404
Founded as King William School 1696.

President: Richard D. Weigle.
Vice-President: William B. Dunham.
Dean: Edward G. Sparrow, Jr.
Treasurer: C. T. Elzey.
Registrar: Leanore Rinder.
Director of Admissions: Joanne Aitken.
Librarian: Charlotte Fletcher.

The library contains 71,000 vols. (approx.).
Number of teachers: 53.
Number of students: 380.

For Santa Fe branch *see* under New Mexico.

ST. MARY'S SEMINARY AND UNIVERSITY

5400 ROLAND AVE.,
BALTIMORE, MARYLAND 21210
Telephone: (301) 323-3200.

Founded 1791.

President: Rev. William J. Lee, s.s.
Vice-President, Rector, School of Theology: Rev. Leonard R. Foisey, s.s.
Vice-President for Alumni Affairs: Rev. John J. Canfield, s.s.
Dean: Rev. William R. Jenkinson.
Treasurer: Richard G. Childs, b.s.
Director of Financial Aid: John J. Lennon, b.a.

Publications: *St. Mary's Bulletin* (quarterly), *Catalogues.*

The libraries contain 153,975 vols.

Number of teachers: 27 full-time, 29 part-time, total 56.

Number of students: 177 full-time, 133 part-time, total 310.

SALISBURY STATE COLLEGE

SALISBURY, MARYLAND 21801
Telephone: (301) 546-3261.
Founded 1925.

President: Dr. N. C. Crawford, Jr.
Academic Dean: Dr. T. L. Erskine.
Registrar: Dorothy L. Powell.
Dean of Students: O. Robinson.
Director of Business: G. Howatt.
Director of Information: W. Fox.
Director of Admissions: Margaret Hopkins.
Librarian: J. T. Thrash.

The library contains 120,000 vols.
Number of teachers: 200.
Number of students: 4,107.

TOWSON STATE UNIVERSITY

YORK ROAD,
BALTIMORE, MARYLAND 21204
Telephone: (301) 321-2000.
Founded 1866.

President: James L. Fisher.
Registrar: G. A. Sartori.
Director of Admissions: Michael L. Mahoney.
Vice-President for Academic Affairs: Joseph W. Cox.
Vice-President, Business and Finance: Wayne Schelle.
Vice-President, Student Affairs: Dorothy Siegel.
Vice-President, Institutional Development: Paul E. Wisdom.
Librarian: Thomas E. Strader.

The library contains 255,603 vols.
Number of teachers: 430.
Number of students: 14,355.

Publication: *Towson State Journal of International Affairs* (2 a year).

UNITED STATES NAVAL ACADEMY

ANNAPOLIS, MARYLAND 21402
Founded 1845.

Superintendent: Vice-Admiral Kinnaird R. McKee, u.s.n.
Commandant of Midshipmen: Capt. E. J. Hogan, Jr., u.s.n.
Academic Dean: B. M. Davidson, m.s., ph.d.
Associate Dean: E. J. Cook, ph.d.
Dean of Admissions: Rear-Admiral R. W. McNitt, u.s.n. (retd.), m.s.
Assistant Deans: Capt. M. B. Sousa, u.s.n., m.s., Cdr. J. P. Ford, u.s.n., m.s., Prof. J. F. Kelley, ph.d.
Registrar: Prof. E. T. Heise, m.a.
Director of Museum: Prof. W. W. Jeffries, ph.d.
Librarian: Prof. R. A. Evans, a.b., m.l.s.

The library contains 370,000 volumes.
Number of teachers: 546.
Number of students (midshipmen): 4,169.

Publications: *USNA Catalogue, Lucky Bag, The Log, Shipmate.*

Division Directors:

Engineering and Weapons: Capt. J. R. Eshman, u.s.n.
English and History: Col. F. Zimolzak, u.s.m.c.
Mathematics and Science: Cdr. M. C. Colley, u.s.n.

Professional Development: Capt. R. C. USTICK, U.S.N., M.S.
U.S. and International Studies: Cdr. J. A. BUTTERFIELD, U.S.N.
Athletics: Capt. J. O. COPPEDGE, U.S.N. (retd.), M.A.

UNIVERSITY OF BALTIMORE

CHARLES AT MOUNT ROYAL,
BALTIMORE, MARYLAND 21201
Telephone: (301) 727-6350.
Founded 1925.

President: Dr. H. MEBANE TURNER.
Dean of Admissions: Mrs. CATHRYN FEATHER.
Librarian: JOHN B. NICHOLSON, Jr.

The library contains 229,000 vols.

Number of teachers: 95 full-time, 170 part-time.

Number of students: 2,178 full-time, 3,796 part-time.

DEANS:

Law: JOSEPH CURTIS.
Liberal Arts: Dr. ALFRED H. GUY, Jr.
Business: Dr. A. LEE HALL.
Graduate: Dr. FRED HOPKINS.

UNIVERSITY OF MARYLAND SYSTEM

COLLEGE PARK,
MARYLAND 20742
Founded 1807.

President: **WILSON H. ELKINS, D.PHIL.**
Vice-President for Baltimore Campuses: **A. O. KUHN, PH.D.**
Vice-President for Academic Affairs: **R. L. HORNBAKE, PH.D.**
Vice-President for Administrative Affairs: **W. B. WAETJEN, ED.D.**
Vice-President for Graduate Studies and Research: **M. J. PELCZAR, Jr.**
Vice-President for Agricultural Affairs: **F. L. BENTZ, Jr.**
Registrar: **J. P. HILL, ED.M.**
Librarian: **H. ROVELSTAD, M.A., B.S.L.S.**

University of Maryland at College Park

COLLEGE PARK, MARYLAND 20742

Chancellor: ROBERT L. GLUCKSTERN.

Number of students: 37,866.

Divisions of: Agricultural and Life Sciences, Mathematics, Physical Sciences and Engineering, Behavioural and Social Sciences, Arts and Humanities, Human and Community Resources. Colleges of: Agriculture, Education, Engineering, Architecture, Business and Management, Human Ecology, Journalism, Library and Information Services, Physical Education. Graduate School.

University of Maryland at Baltimore

BALTIMORE, MARYLAND 21201

Founded 1807.

Chancellor: ALBIN O. KUHN.

Number of students: 4,495.

Schools of Dentistry, Law, Medicine, Nursing, Pharmacy, Social Work and Community Planning, University of Maryland Hospital, Maryland Institute for Emergency Medical Services.

The libraries contain 346,000 vols.

University of Maryland, Baltimore County

BALTIMORE, MARYLAND 21228

Chancellor: Dr. JOHN W. DORSEY.

Number of students: *c.* 5,000.

University of Maryland, Eastern Shore

PRINCESS ANNE, MARYLAND 21853
Telephone: (301) 651-2200.
Founded 1886.

Liberal Studies, Professional Studies and Experimental Studies.

Chancellor: WILLIAM P. HYTCHE.
Vice-Chancellor, Academic Affairs: WILLIAM M. PENDER.
Vice-Chancellor, Administrative Affairs: JOEL C. MACK.
Vice-Chancellor, Student Affairs: HERMAN FRANKLIN.
Dean of Research: C. DENNIS IGNASIAS.
Librarian: JESSIE C. SMITH.
Director of Admissions and Registration: JAMES B. EWERS.

The library contains 85,000 vols.
Number of teachers: 80.
Number of students: 1,009.

WASHINGTON COLLEGE

CHESTERTOWN,
MARYLAND 21620
Telephone: (301) 778-2800.
Founded 1782.

President: Dr. JOSEPH H. MCLAIN.
Registrar: ERMON N. FOSTER.
Dean: GARRY E. CLARKE.
Director of Admissions: J. R. MCCLINTOCK, Jr.
Librarian: BETTY WASSON.

The library contains 108,299 vols.
Number of teachers: 69.
Number of students: 840.

WESTERN MARYLAND COLLEGE

WESTMINSTER,
MARYLAND 21157.
Telephone: 848-7000.
Founded 1867.

President: RALPH C. JOHN.
Vice-President and Dean of Academic Affairs: WILLIAM MCCORMICK, Jr.
Vice-President for Business Affairs: PHILIP B. SCHAEFFER.
Vice-President for Development: JAMES F. RIDENOUR.
Vice-President for Student Affairs: C. WRAY MOWBRAY, Jr.
Registrar: HILBERT HUGHLETT DAWKINS.
Librarian: G. T. BACHMANN, Jr.

The library contains 110,000 vols.
Number of teachers: 107.
Number of students: 1,321.

MASSACHUSETTS

AMERICAN INTERNATIONAL COLLEGE

SPRINGFIELD,
MASSACHUSETTS 01109
Telephone: 737-5331.
Founded 1885.

President: HARRY J. COURNIOTES.
Director of Admissions: JOHN R. FALLON.
Registrar: Mrs. ESTHER F. HANSEN.
Librarian: Miss EVELYN E. JACKSON.

The library contains 100,000 vols.
Number of teachers: 80.
Number of students: 2,500.

AMHERST COLLEGE

AMHERST,
MASSACHUSETTS 01002
Telephone: (413) 542-2000.
Founded 1821; Chartered 1825.

President: JOHN WILLIAM WARD, M.A., PH.D.
General Secretary: J. L. CALLAHAN, Jr., B.A.
Secretary for Public Affairs: D. C. WILSON, M.A.
Registrar: G. M. MAGER, A.M., PH.D.
Treasurer: K. M. HERTZFELD, M.B.A.
Comptroller: G. B. MAY, B.A.
Librarian: W. E. BRIDEGAM, Jr., M.S.
Dean of the Faculty: P. GIFFORD, LL.B., PH.D.
Dean of Students: J. BISHOP, PH.D.
Dean of Admission: EDWARD B. WALL, B.A.

The library contains 524,000 vols.
Number of teachers: 160.
Number of students: 1,500.

ANNA MARIA COLLEGE

PAXTON, MASSACHUSETTS 01612
Telephone: (617) 757-4586.
Founded 1946.

President: Sister CAROLINE FINN, S.S.A.
Academic Dean: Sister BERNADETTE MADORE, S.S.A.
Registrar: Sister ROLLANDE QUINTAL, S.S.A.

The library contains 42,000 vols.
Number of teachers: 99.
Number of students: 1,044

ASSUMPTION COLLEGE

500 SALISBURY STREET,
WORCESTER,
MASSACHUSETTS 01609
Telephone: 752-5615.
Founded 1904.

President: Joseph H. Hagan.
Director of Admissions: T. E. Dunn.
Dean: Richard A. Oehling.
Librarian: Philippe L. Poisson.

The library contains 143,112 vols.
Number of teachers: 121.
Number of students: 1,836.

ATLANTIC UNION COLLEGE

SOUTH LANCASTER,
MASSACHUSETTS 01561
Telephone: 365-4561.
Founded 1882.

President: R. D. McCune.
Registrar: J. D. Mustard.
Librarian: O. R. Schmidt.

The library contains 86,050 vols.
Number of teachers: 86.
Number of students: 809.

BABSON COLLEGE

BABSON PARK, (WELLESLEY),
MASSACHUSETTS 02157
Telephone: 235-1200.

Founded 1919; College of Management.

President: Dr. Ralph Z. Sorenson.
Vice-President (Academic Affairs): W. Carpenter.
Vice-President (Financial Affairs): J. Putney.
Vice-President (Student Affairs): P. Staake, Jr.
Vice-President (College Resources): Charles D. Thompson.
Director of Admission: Joseph B. Carver.
Librarian: J. A. Boudreau.

The library contains 76,991 vols.
Number of teachers: 128.
Number of students: 2,812.

Publications: *College Catalogs*† (annual), *Alumni Bulletin*† (quarterly).

BENTLEY COLLEGE

WALTHAM, MASSACHUSETTS
02154
Founded 1917.

President: Dr. Gregory H. Adamian.
Vice-President for Academic Affairs: Dr. John T. Nichol.
Vice-President for Business and Finance, and Treasurer: R. J. Weafer.
Vice-President for Institutional Advancement: David W. Ellis.
Vice-President for Student Affairs: Dr. Thomas H. Zarle.

The library contains 99,800 vols.
Number of teachers: 246.
Number of students: 7,400.

BOSTON COLLEGE

CHESTNUT HILL,
MASSACHUSETTS 02167

Founded 1863 by the Society of Jesus.

President: Rev. J. Donald Monan, S.J., PH.D.
Financial Vice-President: J. R. Smith, M.B.A
Academic Vice-President: Rev. C. F. Donovan, S.J., PH.D.
Director of Libraries: Thomas O'Connell, D.C.L. (acting).

The library contains 919,764 vols.

Number of teachers: 945, including 119 full professors.

Number of students: 6,722 men, 5,659 women, total 12,381.

Publications: *Stylus, Humanities, Annual Survey of Massachusetts Law, Industrial and Commercial Law Review, Journal of Business, Cosmos.*

Deans:

College of Arts and Sciences: Rev. Thomas P. O'Malley, S.J., D.LITT.
Graduate School of Arts and Sciences: Donald J. White, PH.D.
School of Management: A. J. Kelley, SC.D.
Evening College of Arts, Sciences, and Business Administration: Rev. J. A. Woods, S.J., ED.D.
School of Education: Mary D. Griffin, PH.D. (acting).
School of Nursing: Mary A. Dineen, ED.D.
Law School: R. G. Huber, LL.M.
School of Social Work: June G. Hopps, PH.D.
Summer Session: Rev. G. R. Fuir, S.J., A.M., S.T.L.

BOSTON STATE COLLEGE

625 HUNTINGTON AVENUE,
BOSTON, MASSACHUSETTS 02115
Telephone: 731-3300.
Founded 1852.

President: Kermit C. Morrissey.
Registrar: David Sullivan.
Librarian: Peter Fenton.

The library contains 141,584 vols.
Number of teachers: 282.
Number of students: 5,623.

BOSTON UNIVERSITY

147 BAY STATE RD.,
BOSTON, MASSACHUSETTS 02215
Telephone: (617) 353-2000.
Founded 1839, Chartered 1869.

Private control; Academic year: September to May, June to August (two semesters).

President: John R. Silber.
Provost: Harold P. Hanson.
Vice-Presidents: Ernest Corvo (Operations), Dean Doner (Academic Affairs), Richard Egdahl (Academic Affairs, Health), Daniel Finn (Alumni, Government, Community Affairs), Gerald Gross (Administration), Robert Mayfield (External Programs), Charles Smith (Business and Financial Affairs).
Registrar: Jon V. Haywood.
Librarian: John Laucus.

Library: *see* Libraries.
Number of teachers: 1,330.
Number of students: 25,000.

Publications: *Journal, Journal of Education, Boston University Law Review, Philosophical Forum, Arion, Spectrum, Boston University Today, Bostonia, Journal of Field Archaeology.*

Deans:

College of Basic Studies: Brendan Gilbane.
College of Engineering: Louis Padulo.
College of Liberal Arts: Dean Doner (acting).
Graduate School: Dean Doner (acting).
Metropolitan College: Hubert Gibbs.
Program in Artisanry: Neil Hoffman.
Sargent College of Allied Health Professions: David Hershenson.
School of Education: Robert Dentler.
School for the Arts: Norman Dello Joio.
School of Graduate Dentistry: Spencer Frankl.
School of Law: Richard Speidel.
School of Management: Jules Schwartz.
School of Medicine: John Sandson.
School of Nursing: Linda K. Amos.
School of Public Communications: Donis Dondis (acting).
School of Social Work: Hubert E. Jones.
School of Theology: Richard Nesmith.

BRANDEIS UNIVERSITY

415 SOUTH ST., WALTHAM,
MASSACHUSETTS 02154
Telephone: (617) 647-2000.
Founded 1948.

President: Dr. Marver H. Bernstein, PH.D.
Chancellor: Dr. Abram L. Sachar, PH.D., LITT.D.
Financial Affairs and University Treasurer: L. G. Loomis, M.B.A.
Development: A. J. Kupperman, B.S.
Administration: D. F. Squire, B.A.
Admission: D. Gould, M.S.ED.

Number of teachers: 352.
Number of students: 2,800 undergraduate, 630 graduate students.

Deans:

Faculty, Arts and Sciences: J. S. Goldstein, PH.D.
Graduate School, Arts and Sciences: R. Art, PH.D.
College, Arts and Sciences: R. Evans, Jr.
Florence Heller School for Advanced Studies in Social Welfare: S. Altman, PH.D.

Department Chairmen:

Creative Arts:
  Fine Arts: Elaine Loeffler, B.MUS.
  Music: R. L. Koff, B.MUS., C. Titcomb, PH.D.
  Theatre Arts: Charles W. Moore, M.F.A.

Humanities:
  - *Classics:* D. J. STEWART, PH.D.
  - *Contemporary Jewish Studies:* LEON A. JICK, PH.D.
  - *English:* J. H. SMITH, PH.D.
  - *German and Slavonic:* R. SZULKIN, PH.D.
  - *Near Eastern and Judaic Studies:* MARVIN FOX, PH.D.
  - *Philosophy and History of Ideas:* (vacant).
  - *Romance Languages:* S. GENDZIER, PH.D.

Science:
  - *Biochemistry:* R. ABELES, PH.D.
  - *Biology:* ANDREW G. SZENT-GYORGI, M.D.
  - *Chemistry:* J. HENDRICKSON, PH.D.
  - *Mathematics:* MAURICE AUSLANDER, PH.D.
  - *Photobiology Institute:* JEROME A. SCHIFF, PH.D.
  - *Physics:* E. GROSS, PH.D., M. CHRETIEN, PH.D.
  - *Medical Science Research Center:* H. O. HALVORSON, PH.D.

Social Science:
  - *African and Afro-American:* WELLINGTON W. NYANGONI.
  - *American Studies:* L. H. FUCHS, PH.D.
  - *Anthropology:* BENSON SALER, PH.D.
  - *Economics:* RICHARD S. WECKSTEIN, PH.D.
  - *History:* E. BLACK, PH.D.
  - *Politics:* D. HINDLEY, PH.D.
  - *Psychology:* JAMES R. LACKNER, PH.D.
  - *Sociology:* EGON BITTNER, PH.D.

BRIDGEWATER STATE COLLEGE

BRIDGEWATER,
MASSACHUSETTS 02324
Telephone: 697-8321.

Founded 1840.

President: ADRIAN RONDILEAU.
Academic Dean: WALLACE L. ANDERSON.
Librarian: O. T. P. MCGOWAN.

The library contains 160,000 vols.

Number of teachers: 243.
Number of students: 4,400.

CLARK UNIVERSITY

950 MAIN STREET, WORCESTER,
MASSACHUSETTS 01610
Telephone: (617) 793-7711.

Founded by Jonas Gilman Clark; Chartered 1887.

President: MORTIMER H. APPLEY.
Vice-President for Business and Finance: LAWRENCE L. LANDRY.
Dean of College: MARCIA A. SAVAGE.
Dean of Graduate School: LEONARD BERRY.
Dean of the College of Professional and Continuing Education: RICHARD L. HOPKINS.
Dean of Academic Affairs: FRANK PUFFER.
Director of Admissions: R. W. PIERSON, M.A.
Registrar: G. T. CORCORAN, M.A.
Librarian: T. M. BARRON, B.S. in L.S.

The library contains 365,000 vols.

Number of teachers: 131 day, 65 evening.

Number of students: 2,375; Evening College: 1,254; Summer School: 881.

Publications: catalogs, *Dissertations and Theses*, *Alumni Magazine*, *Report from Clark University*, *Economic Geography*, *President's Report*, *Clark Now*, *Idealistic Studies*, *Journal of Family History*.

COLLEGE OF OUR LADY OF THE ELMS

291 SPRINGFIELD STREET,
CHICOPEE, MASSACHUSETTS 01013
Telephone: (413) 598-8351.

Founded 1928.

President: Dr. EDWARD R. D'ALESSIO.
Registrar: Sister HELEN BURKE, S.S.J.
Librarian: Sister EDITH MCALICE, S.S.J.

The library contains 61,038 vols.

Number of teachers: 74.
Number of students: 410.

COLLEGE OF THE HOLY CROSS

WORCESTER,
MASSACHUSETTS 01610

Founded 1843.

President: Rev. JOHN E. BROOKS, S.J.
Vice-President: PAUL F. HARMAN, S.J.
Dean of the College: Rev. J. R. FAHEY, S.J.
Dean of Students: D. T. MCLAIN.
Treasurer: J. F. O'KEEFE.
Librarian: J. M. MAHONEY, B.L.S.

The library contains 300,000 vols.

Number of teachers: 203.
Number of students: 2,400.

EASTERN NAZARENE COLLEGE

23 EAST ELM AVENUE,
QUINCY, MASSACHUSETTS 02170
Telephone: (617) 773-6350.

Founded 1900.

President: DONALD IRWIN.
Dean: D. L. YOUNG.
Registrar: BARBARA FINCH.
Dean of Students: R. W. HELFRICH.
Director of Admissions: GARY JONES.
Librarian: SUSAN WATKINS.

The library contains 78,000 vols.

Number of teachers: 52.
Number of students: 812.

EMERSON COLLEGE

148 BEACON STREET,
BOSTON, MASSACHUSETTS 02116
Telephone: 262-2010.

Founded 1880.

President: OLIVER W. WOODRUFF (acting).
Registrar: GERD P. BOND.
Librarian: DONNA TRIPP.
Controller: ROGER D. SPIDLE.

The library contains 60,000 vols.

Number of teachers: 125.
Number of students: 1,500.

EMMANUEL COLLEGE

400 THE FENWAY,
BOSTON, MASSACHUSETTS 02115
Telephone: (617) 277-9340.

Founded 1919.

President: Sister MARY FRANCES MCCARTHY, S.N.D., PH.D.
Vice-President for Academic Planning and Research: DONALD PROCACCINI.
Vice-President for Business and Finance: DANIEL H. NADEAU, M.ED.
Director of Admissions: EDWARD M. GILLIS.
Academic Dean: MARY ANN T. BURNS, PH.D.
Dean of Continuing Education: Sister MARY ELLEN O'KEEFE, S.N.D., PH.D.
Librarian: Sister MAURA MEADE, S.N.D., M.S.

The library contains 111,000 vols.

Number of teachers: 97.
Number of students: 1,283.

FITCHBURG STATE COLLEGE

FITCHBURG,
MASSACHUSETTS 01420
Telephone: (617) 345-2151.

Founded 1894.

President: VINCENT J. MARE.
Academic Dean: FRANCIS J. PILECKI.
Dean of Students: WILLIAM H. FITZGIBBON (acting).
Dean of Administration: JOHN J. BOURSY.
Director of Admissions: JOSEPH A. ANGELINI.
Librarian: W. T. CASEY.

The library contains 130,000 vols.

Number of teachers: 240.
Number of students: *c.* 5,600.

FRAMINGHAM STATE COLLEGE

FRAMINGHAM CENTRE,
MASSACHUSETTS 01701
Telephone: (617) 872-3501.

Founded 1839.

President: D. JUSTIN MCCARTHY.
Director of Admissions: JOSEPH LOPES (acting).
Librarian: STANLEY MCDONALD.

The library contains 344,185 holdings.

Number of teachers: 152.

Number of students: 3,125 day, 2,127 evening.

GORDON COLLEGE

255 GRAPEVINE ROAD,
WENHAM, MASSACHUSETTS 01984

Telephone: (617) 927-2300.

Founded 1889.

President: Richard F. Gross, PH.D.

Registrar: Miss Florence Winsor.

Dean of Admissions and Financial Aid: David Macmillan.

Librarian: John Beauregard (acting).

The library contains 142,000 vols.

Number of teachers: 57.

Number of students: 1,000.

HARVARD UNIVERSITY

CAMBRIDGE,
MASSACHUSETTS 02138

Telephone: 868-7600.

Founded October 1636; Charter signed May 1650.

President: D. C. Bok, A.M., J.D.

Vice-President for Administration: S. S. J. Hall, B.S., M.B.A.

Vice-President for Financial Affairs: H. Champion, B.A.

Vice-President for Government and Community Affairs: C. U. Daly, M.S.

Vice-President for Alumni Affairs and Development: Chase Peterson, A.B., M.D.

Director of University Library: D. W. Bryant, A.B., A.M.L.S.

Director of Harvard College Observatory: George Field, PH.D.

Director of Peabody Museum of Archaeology and Ethnology: S. Williams, A.M.

Director of Museum of Comparative Zoology: A. W. Crompton, M.SC., D.SC., PH.D.

Director of Gray Herbarium: R. C. Rollins, S.M., PH.D.

Director of Arnold Arboretum: R. A. Howard, PH.D

Director of Botanical Museum: R. E. Schultes, PH.D.

Director of the William Hayes Fogg Art Museum: D. J. Robbins, A.M.

Curator of The Busch-Reisinger Museum of Germanic Culture: Charles Haxthausen, M.A.

Farlow Library and Herbarium: R. C. Rollins (Chairman).

Director of Bussey Institution: R. C. Rollins, S.M., PH.D.

Chairman of Maria Moors Cabot Foundation for Botanical Research: J. G. Torrey, A.M., PH.D.

Director of Harvard Forest (Petersham, Massachusetts): M. H. Zimmermann, DR. NAT. SC.

Curator of Geological Museum: C. Frondel, PH.D.

Curator of Semitic Museum: G. E. Wright, PH.D., D.D.

Director of Dumbarton Oaks Research Library and Collection (Washington, D.C.): W. R. Tyler, A.M., D.LITT.

Director of Villa I Tatti (Florence, Italy): Craig Smyth, PH.D.

Number of teachers: 5,170.

Number of students: 19,322.

Deans:

Harvard College: C. Whitlock, A.M.

Divinity School: K. Stendahl, THEOL.DR., LITT.D.

Faculty of Arts and Sciences: H. Rosovsky, PH.D.

Division of Engineering and Applied Physics: G. F. Carrier, PH.D. (acting).

Graduate School of Design: M. D. Kilbridge, A.M., S.M., PH.D.

Law School: A. M. Sacks, LL.D.

Medical School: R. H. Ebert, S.B., M.D., DR.PHIL.

Graduate School of Public Health: H. H. Hiatt, M.D.

Graduate School of Business Administration: L. E. Fouraker, PH.D.

Graduate School of Education: P. N. Ylvisaker, PH.D., LL.D.

J. F. Kennedy School of Government: D. K. Price, B.LITT., M.A.

Graduate School of Arts and Sciences: B. S. Dreben, A.M.

School of Dental Medicine: P. Goldhaber, S.B., D.D.S.

Professors:

Divinity School:

Carman, J. B., Comparative Religion
Cox, H. G., Divinity
Georgi, D., Biblical Studies
Gomes, P. J., Christian Morals
Hanson, P. D., Old Testament
Hutchison, W. R., History of Religion
Kaufman, G. D., Theology
Koester, H. H., New Testament Studies
McGill, A. C., Theology
Macrae, G. W., Roman Catholic Theological Studies
Niebuhr, R. R., Divinity
Potter, R. B., Social Ethics
Stendhal, K., Biblical Studies
Strugnell, J., Christian Origins
Williams, G. H., Divinity
Williams, P. M., Theology
Wright, C. C., American Church History

Faculty of Arts and Sciences:

Aaron, D. B., English and American Literature
Ackerman, J. S., Fine Arts
Allfors, L. V., Mathematics
Alfred, W., English
Anderson-Imbert, E., Hispanic American Literature
Andersson, T. M., German and Scandinavian
Arrow, K. J., Economics
Badian, E., History
Bailyn, B., History
Baker, H. C., English
Bales, R. F., Social Relations
Barghoorn, E. S., Botany
Barnes, L. B., Organizational Behaviour
Bartlett, P. D., Chemistry
Bate, W. J., Humanities
Beer, S. H., Government
Bell, D., Sociology
Benichou, P., French Literature
Benson, L. D., English
Bergson, A., Economics
Berthoff, W. B., English
Birkhoff, G., Applied Mathematics
Bloch, H., Greek and Latin
Bloch, K. E., Biochemistry
Bloomfield, M. W., English
Bogorad, L., Biology
Bond, W. H., Bibliography
Boss, K. J., Biology
Bott, R., Mathematics
Bowersock, G. W., Greek and Latin
Bowie, R. R., International Affairs
Brown, R. W., Social Psychology
Bruneau, J. L., French and Comparative Literature
Buckley, J. H., English
Bullitt, J. M., English
Cavell, S. L., Aesthetics
Caves, R. E., Economics
Chapman, R. H., English
Clausen, W. V., Greek and Latin
Cleaves, F. W., Far Eastern Languages
Clive, J. L., History
Cochran, W. G., Statistics
Cohen, I. B., History of Science
Cohn, D., German
Constable, D., Medieval History
Coolidge, J. P., Fine Arts
Corey, E. J., Chemistry
Craig, A. M., Japanese History
Cranston, E. A., Japanese Literature
Crompton, A. W., Biology
Cross, F. M., Hebrew
Della Terza, D., Romance Languages
Dempster, A. P., Theoretical Statistics
Deutsch, K. W., Government
Devore, B. I., Anthropology
Dike, K. O., History
Doebele, W. A., Regional Planning
Doering, W. von E., Chemistry
Donald, D. H., American History and Civilization
Dorfman, R., Economics
Doty, P., Chemistry
Dreben, B. S., Philosophy
Dunn, C. W., Celtic Languages
Dyck, A. J., Population Ethics
Eckstein, O., Economics
Elder, J. P., Greek and Latin
Evans, G. B., English
Fairbank, J. K., History
Fell, H. B., Zoology
Field, G. B., Practical Astronomy
Firth, R., Philosophy
Fitzgerald, R. S., Rhetoric and Oratory
Fleming, D. H., History
Fletcher, J. F., Chinese and Central Asian History
Fogel, R. W., Political Economy and History
Forbes, E., Music
Freedberg, S.J., Fine Arts
Freidel, F. B., History
Freund, P. A., University Professor
Frohock, W. M., Romance Languages and Literatures
Frondel, C., Mineralogy
Frye, R. N., Iranian
Furry, W. H., Physics
Germani, G., Latin-American Studies
Giacconi, R., Astronomy
Gilbert, W., Biophysics
Gilman, S., Romance Languages
Gilmore, M. P., History
Gingerich, O., Astronomy and History of Science
Glashow, S. L., Physics
Glauber, R. J., Physics
Gleason, A. M., Mathematics
Goodman, N., Philosophy

Gordon, R. G., Chemistry
Gould, S. J., Geology
Grabar, O., Fine Arts
Green, D. M., Psychophysics
Griffiths, P. A., Mathematics
Griliches, Z., Economics
Guidotti, G., Biochemistry
Guinier, E., Afro-American Studies
Gursky, H., Z-Ray Astronomy
Guthke, K. S., German
Haller, J., Geology
Hanan, P. D., Chinese Literature
Handlin, O., History
Hanfmann, G. M. A., Archaeology
Harris, C. W., Landscape Architecture
Hatfield, H. C., German Art and Culture
Hays, J. F., Geology
Heiment, A. E., American Literature
Henrichs, A. M., Greek and Latin
Herlihy, D. J., History
Herrnstein, R. J., Psychology
Herschbach, D. O., Chemistry
Hibbett, H. S., Japanese Literature
Hiebert, E. N., History of Science
Hightower, J. R., Chinese Literature
Higonnet, P. L.-R., History
Hironaka, H., Mathematics
Hoffmann, S. H., Government
Hofheinz, R. M., Government
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School of Law: Michael C. Meltsner, A.B., LL.B.

College of Pharmacy and Allied Health Professions: Gerald E. Schumacher, Pharm.D., Ph.D.

College of Nursing: Juanita Long, B.S.M.S.

Boston Bouvé College of Physical Education and Physical Therapy: Paul M. Lepley, Ed.D.

University College: John W. Jordan, M.Ed. (acting).

Dean of Students: Christopher Kennedy, Ed.M.

Research: M. W. Essigmann, M.S.

RADCLIFFE COLLEGE

10 GARDEN ST.,
CAMBRIDGE,
MASSACHUSETTS 02138
Founded 1879; Chartered 1882.

Instruction is provided by the Faculty of Arts and Sciences of Harvard University.

President: Matina S. Horner.

Number of students: 2,200 women.

Publication: *Radcliffe Alumnae Quarterly.*

REGIS COLLEGE

235 WELLESLEY ST., WESTON,
MASSACHUSETTS 02193.
Telephone: (617) 893-1820.
Founded 1927.

President: Sister Therese Higgins, C.S.J.

Registrar: Sister M. Albertina Kelly, C.S.J.

Director of Finance and Business Affairs: Thomas A. Weber.

Academic Dean: Edward Mulholland.

Dean of Students: Sister Zita Fleming, C.S.J.

Librarian: Sister Sarah Barrett.

The library contains 112,118 vols.

Number of teachers: 83.

Number of students: 853.

Publications: *Our Times, Regis Today, Hemetera, Alumnae Bulletin.*

SALEM STATE COLLEGE

LORING AVE., SALEM,
MASSACHUSETTS 01970
Telephone: 745-0556.
Founded 1854.

President: Dr. Edward M. Penson.

Academic Dean: Dr. Walter T. James.

Dean of Students: Winston Thompson.

Director of Admissions: Stephen C. Spanger.

Librarian: N. Olson.

The library contains 175,000 vols.

Number of teachers: 300.

Number of students: 8,400.

SIMMONS COLLEGE

300 THE FENWAY, BOSTON,
MASSACHUSETTS 02115
Founded 1899.

President: William J. Holmes, Ph.D.

Vice-President for Public Affairs: Paul R. Miller, Jr., A.B.

Treasurer: M. D. Sargent, A.M.

Registrar: S. A. Barrow, A.B.

Director of Libraries: Dorothy C. Senghas, M.S.

Number of teachers: 149 full-time, 100 part-time.

Number of students: 2,627.

Publications: *Simmons Review, Now, Janus, Essays and Studies.*

Deans:

College: Charlotte M. Morocco, M.Ed.

Graduate Studies: John A. Robinson, Ed.D.

Library Science: Robert Stueart, Ph.D.

Social Work: Meyer Shwartz, Ph.D.

SMITH COLLEGE

NORTHAMPTON,
MASSACHUSETTS 01060
Founded 1871.

President: Jill K. Conway, Ph.D.

Treasurer: R. L. Ellis, M.B.A.

Secretary: Mary E. McDougle, A.M.

Registrar: Yvonne J. Freccero, B.A.

Librarian: Billie Bozone, M.A.L.S.

Dean: George F. Mair, Ph.D.

Dean of Students: Helen L. Russell, Ph.D.

The library contains 814,000 vols.

Number of teachers: 240.

Number of students: 2,586 undergraduate women, 113 men and women graduates.

Publications: *Smith College Studies* (4 series) in: *Modern Languages, History, Classical Languages, Social Work.* Bulletin and exhibition catalogues of the Museum of Art, *New Valley Music Press,* Land Prize essays (undergraduate), *Smith College Pamphlets, Alumnae Quarterly.*

SOUTHEASTERN MASSACHUSETTS UNIVERSITY

NORTH DARTMOUTH,
MASSACHUSETTS 02747
Telephone: (617) 997-9321.
Founded 1895.

President: Dr. DONALD E. WALKER.
Registrar: P. FISTORI.
Director of Admissions: B. G. PHELPS.
Director of Continuing Studies and Special Programs: Dr. ROBERT L. PIPER.
Dean of Faculty: Dr. RICHARD M. FONTERA.
Librarian: JANET FREEDMAN.

The library contains 198,000 vols.
Number of teachers: 302.
Number of students: 4,987.

DEANS:

Administration: Dr. WILLIAM C. WILD, Jr.
College of Arts and Sciences: Dr. JOSEPH P. SAURO.
College of Engineering: (vacant).
College of Nursing: Dr. JOYCE PASSOS.
College of Fine and Applied Arts: DIETMAR WINKLER.
College of Business and Industry: Dr. RICHARD J. WARD.

SPRINGFIELD COLLEGE

263 ALDEN ST., SPRINGFIELD,
MASSACHUSETTS 01109
Founded 1885.

President: WILBERT E. LOCKLIN.
Registrar: D. W. WUERTHELE, Jr.
Librarian: GERALD F. DAVIS.

The library contains 105,632 vols. and 184,500 microfilms.
Number of teachers: 128.
Number of full-time students: 2,374.
Publications: *Catalogue, Alumni Bulletin.*

DEANS:

College: Dr. P. U. CONGDON.
Students: Dr. J. J. COSTELLO.
Admissions: ROBERT B. PALMER.

STONEHILL COLLEGE

NORTH EASTON,
MASSACHUSETTS 02356
Telephone: (617) 238-1081.
696-0400 (Boston Line).
Founded 1948.

President: Rev. BARTLEY MACPHAÍDÍN, C.S.C.
Academic Dean: ROBERT J. KRUSE, C.S.C.
Director of Admissions: BRIAN MURPHY.

The library contains 105,000 vols.
Number of teachers: 140.
Number of students: 2,200.

SUFFOLK UNIVERSITY

41 TEMPLE ST., BOSTON,
MASSACHUSETTS 02114
Telephone: (617) 723-4700.
Founded 1906.

President: Dr. THOMAS A. FULHAM.
Vice-President and Treasurer: FRANCIS X. FLANNERY.
Dean of Students: Dr. D. B. SULLIVAN
Director of Admissions—Colleges: W. F. COUGHLIN.
Director of Admissions—Law School: (vacant).
Registrar of College Departments: MARY A. HEFRON.
Registrar of Law School: DORIS R. POTÉ.
Director of Libraries: EDMUND HAMANN.

Number of teachers: 295.
Number of students: 6,373.
Publications: *Suffolk Journal, Suffolk Law Review, The Advocate, The Venture.*

DEANS:

Colleges of Liberal Arts and Sciences: Dr. MICHAEL R. RONAYNE.
College of Business Administration and Graduate School of Administration: Dr. RICHARD L. MCDOWELL.
Law School: DAVID J. SARGENT.
Associate Dean in charge of Evening Div. and Dir. of Summer Sessions: Dr. J. H. STRAIN.

TUFTS UNIVERSITY

MEDFORD,
MASSACHUSETTS 02155
Telephone: 628-5000.
Chartered 1852.

President: JEAN MAYER, PH.D.
Senior Vice-President and Provost: KATHRYN A. MCCARTHY, PH.D.
Vice-Presidents: J. W. SHEETZ, M.S., J. F. MITCHELL, M.B.A.
Vice-President and Treasurer: C. R. DE BURLO, Jr., D.B.A.
Dean of Undergraduate Admissions: MICHAEL BEHNKE, M.A.
Recorder: MILDRED HEALY, B.A.
Librarian: J. S. KOMIDAR, B.S.L.S., M.A

The library contains 530,000 vols.
Number of teachers: 392 full-time, 574 part-time.
Number of students: 6,766.
Publications: *Tufts Alumni Review, Tufts Medical Alumni Bulletin, Tufts Criterion.*

DEANS:

Arts and Sciences: BERNARD W. HARLESTON, PH.D.
Dentistry (Boston): ROBERT B. SHIRA, D.D.S., F.A.C.D.
Engineering: A. UHLIR, Jr., PH.D.
Graduate: C. G. NELSON, PH.D.
Liberal Arts: G. S. MUMFORD, PH.D.
Dean of Students: THOMAS T. WINANT, M.A.
Medicine (Boston): LAURO F. CAVAZOS, PH.D.
Fletcher School of Law and Diplomacy (f. 1933): JOHN P. ROCHE, PH.D. (acting).
Summer School: R. L. H. MILLER, TH.D. (Director).

UNIVERSITY OF LOWELL

ONE UNIVERSITY AVE.,
LOWELL, MASSACHUSETTS 01854
Telephone: (617) 452-5000.

Founded 1975 by merger of Lowell State College and Lowell Technological Institute.

President: JOHN B. DUFF.
Vice-President, Executive: EVERETT V. OLSEN.
Vice-President, Academic Affairs: WILLIAM HOGAN.
Dean: ROBERT J. FOY.
Librarian: WILLIAM MCGRATH.

The library contains 325,000 vols.
Number of teachers: 420.
Number of students: 12,000.

UNIVERSITY OF MASSACHUSETTS

AMHERST,
MASSACHUSETTS 01003
Telephone: (413) 545-0111.

Chartered as Massachusetts Agricultural College 1863; name changed to Massachusetts State College 1931, to University 1947.

Academic year: September to June.

Chancellor: RANDOLPH W. BROMERY.
Vice-Chancellor for Academic Affairs and Provost: PAUL L. PURYEAR.
Vice-Chancellor for Student Affairs: ROBERT L. WOODBURY (acting).
Secretary: GLADYS HARDY.
Treasurer: K. W. JOHNSON, B.S.
Dean of Admissions: W. D. TUNIS, M.S., PH.D.
Director of Libraries: RICHARD J. TALBOT.

The library contains 1,200,000 vols.
Number of teachers: 1,400.
Number of students: 24,000.
Publication: *The Massachusetts Review* (quarterly).

DEANS:

College of Arts and Sciences:
  Humanities and Fine Arts: J. M. ALLEN, PH.D.
  Social and Behavioral Sciences: T. O. WILKINSON (acting).

Natural Sciences and Mathematics: SEYMOUR SHAPIRO.
College of Food and Natural Resources: ROSS WHALEY.
School of Business Administration: JACK S. WOLFE (acting).
School of Health Sciences: WILLIAM DARITY.
School of Engineering: RUSSEL C. JONES.
School of Education: MARIO FANTINI.
School of Physical Education: DAVID BISCHOFF.
Graduate School: EUGENE B. PIEDMONT.

ASSOCIATED INSTITUTES:

Medical School: 55 Lake Ave. North, Worcester, Mass. 01605; Tel. (617) 856-0011; est. 1962.

Dean: Dr. ROGER J. BULGER.

Stockbridge School of Agriculture: Amherst, Mass. 01003; Tel. (413) 545-2222; est. 1918.

Director: JOHN W. DENISON.

UNIVERSITY OF MASSACHUSETTS AT BOSTON

HARBOR CAMPUS, BOSTON,
MASSACHUSETTS 02125

Founded 1964.

Chancellor: CLAIRE VAN UMMERSEN.

The library contains 300,000 vols.

Number of teachers: 550.

Number of students: 8,200.

WELLESLEY COLLEGE

WELLESLEY,
MASSACHUSETTS 02181

Chartered 1870; Opened 1875.

President: BARBARA W. NEWELL.
Vice-President, College Relations: ALLA O'BRIEN.
Vice-President for Business Affairs: JOHN W. HARTLEY.
Vice-President for Resources: PETER M. BUCHANAN.
Treasurer: HORACE S. NICHOLS.
Dean of the College: MAUD H. CHAPLIN (acting).
Dean of Academic Programs: (vacant).
Director of Admission: MARY ELLEN AMES.
Librarian: Y. T. FENG.

The library contains over 585,000 vols.

Number of teachers: 270 full-time, 63 part-time.

Number of students: 2,064 women.

WESTERN NEW ENGLAND COLLEGE

1215 WILBRAHAM RD.,
SPRINGFIELD,
MASSACHUSETTS 01119

Founded 1919.

College of Liberal Arts, supported by professional Schools of Engineering, of Business Administration, and of Law.

President: RICHARD F. GOTTIER.
Academic Vice-President: ALLAN W. BOSCH.
Executive Vice-President: L. D. CHAPIN.
Assistant to President: STANLEY KOWALSKI.

The library contains 154,000 vols.

Number of teachers: 102 full-time, 183 part-time.

Number of students: 4,189.

WESTFIELD STATE COLLEGE

WESTFIELD,
MASSACHUSETTS 01085

Founded 1839.

Co-educational College of Liberal Arts.

President: ROBERT L. RANDOLPH.
Academic Dean: PAUL A. MARROTTE.

The library contains 117,000 vols.

Number of teachers: 155.

Number of students: 2,700.

WHEATON COLLEGE

NORTON,
MASSACHUSETTS 02766

Founded 1834.

President: ALICE F. EMERSON, PH.D.
Vice-President for Finance and Operations: DAVID L. WAGNER, M.B.A.
Provost: RUTH A. SCHMIDT, PH.D.
Dean: HERBERT ELLISON, PH.D. (acting).
Director of Admissions: BARBARA J. LUNDBERG, M.S.
Librarian: SHERRIE BERGMAN, B.S.

The library contains 190,000 vols. plus 12,000 government documents.

Number of teachers: 112, including 30 professors.

Number of students: 1,120.

Publications: *Bulletin, Newsletter.*

DEANS:

Dean of the College: NANCY HEER, PH.D.
Students: E. SUSAN PETERING, A.M.

WHEELOCK COLLEGE

200 THE RIVERWAY, BOSTON,
MASSACHUSETTS 02215

Telephone: (617) 734-5200.

Founded 1888.

President: Dr. GORDON L. MARSHALL.
Academic Dean: Dr. ELIZABETH ANN LIDDLE.

The library contains 62,000 vols.
Number of teachers: 52.
Number of students: 870.

Publications: *Bulletin, Wheelock College Catalogue.*

WILLIAMS COLLEGE

WILLIAMSTOWN,
MASSACHUSETTS 01267

Chartered as Free School 1791; College Charter granted 1793.

President: JOHN W. CHANDLER, PH.D., L.H.D., LL.D.
Secretary of Faculty: FRED STOCKING, PH.D.
Vice-President and Treasurer: F. A. DEWEY III.
Provost: NEIL R. GRABOIS, PH.D.
Dean of Faculty: FRANCIS C. OAKLEY, PH.D.
Dean: PETER BEREK, PH.D.
Director of Admissions: P. H. SMITH, M.A.T.
Registrar: G. C. HOWARD, LL.B., M.A.
Librarian: L. E. WIKANDER, M.A.

The library contains 444,000 vols.
Number of teachers: 152.
Number of students: 1,204 men and 710 women.

WORCESTER POLYTECHNIC INSTITUTE

WORCESTER,
MASSACHUSETTS 01609

Founded 1865.

President: Dr. EDMUND T. CRANCH.
Vice-President and Dean of Faculty: Dr. RAY E. BOLZ.
Registrar: Prof. ROBERT LONG II.
Dean of Student Affairs: D. P. REUTLINGER.
Librarian: A. G. ANDERSON, Jr.

The library contains 110,000 vols.
Number of students: 2,500.

WORCESTER STATE COLLEGE

486 CHANDLER ST., WORCESTER,
MASSACHUSETTS 01602

Founded 1874.

President: JOSEPH J. ORZE.
Academic Dean: NOEL RAYBURN.
Dean of Students: JAMES A. SCULLY.

The library contains 143,642 vols.
Number of full-time teachers: 200.
Number of students: 5,698.

Publications: *The New Student Voice* (weekly), *Yearbook, The Agora* (annual).

MICHIGAN

ADRIAN COLLEGE

ADRIAN, MICHIGAN 49221

Telephone: 265-5161.

Founded 1859.

President: DONALD S. STANTON.
Vice-President, Academic Affairs: GEORGE E. SOMERS (acting).
Vice-President, Business Affairs: RONALD L. BLEECKER.
Vice-President, Development: (vacant).

Admissions Director: THOMAS E. WILLIAMS.
Registrar: O. IOAN STEPP.
Librarian: J. DODD.

The library contains 109,196 vols.
Number of teachers: 56.
Number of students: 912.

ALBION COLLEGE

ALBION, MICHIGAN 49224
Telephone: 629-5511.
Founded 1835.

President: BERNARD T. LOMAS.
Dean of Admissions: F. BONTA.
Librarian: C. H. HELD.

The library contains 190,000 vols.
Number of teachers: 109.
Number of students: 1,715.

ALMA COLLEGE

ALMA, MICHIGAN 48801
Telephone: (517) 463-2141.
Founded 1886.

President: ROBERT D. SWANSON.
Registrar: Miss MOLLY PARRISH.
Director of Admissions: STEPHEN J. BUSHOUSE.
Librarian: PETER DOLLARD.

The library contains 143,000 vols.
Number of teachers: 80.
Number of students: 1,200.

ANDREWS UNIVERSITY

BERRIEN SPRINGS,
MICHIGAN 49104
Telephone: (616) 471-7771.
Founded 1874.

President: JOSEPH G. SMOOT.
Dean of the College of Arts and Sciences: DWAIN L. FORD.
Dean of the College of Technology: WILLIAM W. DAVIDSON.
Dean of Graduate Studies: ROBERT A. WILLIAMS.
Dean, S.D.A. Theological Seminary: THOMAS H. BLINCOE.
Registrar: DOUGLAS K. BROWN.
Librarian: Mrs. MARY J. MITCHELL.

The library contains 517,906 vols.
Number of teachers: 191.
Number of students: 2,837.

AQUINAS COLLEGE

1607 ROBINSON RD.,
GRAND RAPIDS, MICHIGAN 49506
Telephone: 459-8281.
Founded 1886.

President: Dr. N. HRUBY.
Registrar: LEE JACOKES.
Librarian: Sister J. M. JONES.

The library contains 90,000 vols.
Number of teachers: 112.
Number of students: 1,706.

CALVIN COLLEGE

3201 BURTON, S.E.,
GRAND RAPIDS, MICHIGAN 49506
Telephone: 949-4000.
Founded 1876.

President: ANTHONY J. DIEKEMA, PH.D.
Registrar: ERNEST VAN VUGT, M.A.
Director of the Library: M. MONSMA, M.A., M.A.L.S.

The library contains 300,000 vols.

Number of teachers: 199 full-time, 49 part-time.

Number of students: 4,085.

CENTRAL MICHIGAN UNIVERSITY

MOUNT PLEASANT,
MICHIGAN 48859
Telephone: (517) 774-3151.
Founded 1892.

President: HAROLD ABEL, M.A., PH.D.
Provost and Vice-President for Academic Affairs: JOHN E. CANTELON, D.PHIL.
Vice-Presidents: TERRENCE J. CAREY, PH.D. (University Relations), ARTHUR E. ELLIS, M.A. (Public Affairs), JERRY R. TUBBS, M.A. (Business and Finance).
Registrar: ROBERT E. CONNELL, M.A.
Director of Libraries: J. L. WEATHERFORD, A.M.L.S.

Number of teachers: 740.
Number of students: 16,000.

DEANS:

School of Arts and Sciences: THOMAS J. MILES, M.S., PH.D. (acting).
School of Business Administration: JOHN D. HOGAN, M.A., PH.D.
School of Education: C. E. NASH, ED.M., ED.D.
School of Fine and Applied Arts: FRANK S. STILLINGS, M.M., PH.D.
School of Health and Physical Education: W. V. THEUNISSEN, A.M., P.E.D.
School of Graduate Studies: ROBERT L. BRANYAN, M.A., PH.D.
Student Affairs: JAMES HILL, B.S., M.S.
School of Continuing Education and Community Services: ALAN F. QUICK, M.A., ED.D.

CRANBROOK ACADEMY OF ART

500 LONE PINE ROAD,
BLOOMFIELD HILLS,
MICHIGAN 48013
Telephone: 645-3300.
Founded 1932.

President: ROY SLADE.
Registrar: LUCILLE HARPER.
Librarian: STELLA TOLAND.

The library contains 17,000 volumes.

Number of teachers: 10 full-time.

Number of students: 150.

DETROIT INSTITUTE OF TECHNOLOGY

2727 SECOND AVE., DETROIT,
MICHIGAN 48201
Telephone: 962-0830.
Founded 1891.

President: Dr. HUGH L. THOMPSON.

Executive Vice-President and Chief Academic Officer: Dr. ROBERT W. ELLIS, Jr.

Director of Co-operative Education: RICHARD A. HAYES, Jr.

Dean of Admissions and Student Services: HARRY SCHADE.

Director of Campus Activities: (vacant).

Business Manager: MOSHEN MIKHAIL.

Registrar: MARY LOU BAKER.

Personnel Director: PAUL D. WALKER.

Librarian: LINDA SIMS.

Number of teachers: 116.
Number of students: 1,550.

Publications: *The Technonian, Detroit Institute of Technology Newsletter.*

DEANS:

College of Arts and Sciences: Dr. PHELPS TRIX.
College of Business Administration: Dr. R. R. GAMBY.
College of Engineering: Dr. S. B. SEGHEL.

EASTERN MICHIGAN UNIVERSITY

YPSILANTI, MICHIGAN 48197
Telephone: (313) 487-1849.
Founded 1849.

President: JAMES H. BRICKLEY.

Executive Vice-President: ANTHONY H. EVANS.

Vice-President for Academic Affairs: DONALD F. DRUMMOND.

Vice-President for Student Affairs: LAURENCE SMITH.

Vice-President for Business and Finance: ROBERT ROMKEMA.

Vice-President for University Relations: GARY D. HAWKS.

Registrar: E. L. MARSHALL.

Librarian: FRED BLUM.

The library contains 580,341 vols.
Number of teachers: 780.
Number of students: 18,274.

Publications: *Elan, Business Ideas and Facts, The Journal of Narrative Technique.*

DEANS:

Business: E. A. ROTH.

Education: JOHN MULHERN.

Graduate School: OMER ROBBINS.

Liberal Arts and Sciences: CLARK SPIKE.

Human Services: ROBERT BOISSONEAU.

Student Affairs: L. S. MCLEAN.

Counselling: PETER T. HOUNTRAS.

Admissions and Financial Aids: RALPH GILDEN.

FERRIS STATE COLLEGE

901 SOUTH STATE ST.,
BIG RAPIDS, MICHIGAN 49307
Telephone: (616) 796-9971.
Founded 1884.

President: R. L. Ewigleben.
Director of Admissions: K. S. Walker.
Director of the Library: Robert H. Geiman.

The library contains 240,000 vols.
Number of teachers: 540.
Number of students: 10,000.

GENERAL MOTORS INSTITUTE

1700 WEST THIRD AVE.,
FLINT, MICHIGAN 48502
Telephone: (313) 766-5000.
Founded 1919.

Degree courses in Electrical, Mechanical and Industrial Engineering and Industrial Administration.

President: William B. Cottingham, PH.D.
Dean of Academic Affairs: Roger A. Holmes, PH.D.
Dean of Student Affairs: William F. Kornegay.
Librarian: W. R. Elgood.

The library contains 80,000 vols.
Number of teachers: 143.
Number of students: 2,200.

HILLSDALE COLLEGE

HILLSDALE, MICHIGAN 49242
Telephone: (517) 437-7341.
Founded 1844.

President: Dr. George C. Roche III.
Academic Dean: Dr. John B. Muller.
Director of Admissions: Dr. Russell L. Nichols.
Registrar: C. E. Wesley.
Librarian: Daniel Joldersma.

The library contains 76,132 vols.
Number of teachers: 65.
Number of students: 1,000.

HOPE COLLEGE

HOLLAND, MICHIGAN 49423
Telephone: (616) 392-5111.
Founded 1851.

President: Dr. Gordon J. Van Wylen.
Provost: Dr. David Marker.
Director of Admissions: (vacant).
Librarian: Dr. Harry Boonstra.

The library contains 183,500 vols.
Number of teachers: 144.
Number of students: 2,200.

KALAMAZOO COLLEGE

KALAMAZOO, MICHIGAN 49007

Chartered 1833 as Michigan and Huron Institute; name changed to Kalamazoo Literary Institute 1837, to Kalamazoo College 1855.

President: George N. Rainsford.
Provost: John Satterfield.
Vice-President for Finance and Development: John M. Dozier.
Director of Institutional Research and Planning and Assistant to the President: Linda Delene.

Number of teachers: 85.
Number of students: 1,500

MADONNA COLLEGE

36600 SCHOOLCRAFT ROAD,
LIVONIA, MICHIGAN 48150
Telephone: (313) 591-1200.
Founded 1947.

President: Sister Mary Francilene, C.S.S.F.
Academic Dean: Sister Mary Damascene, C.S.S.F.
Director of Student Development: Sister Emeline Bash.
Director of Admissions: Louis Brohl, I.I.I.
Director of Financial Aid: Dennis Brovont.
Registrar: Sister Mary Angelis, C.S.S.F.
Librarian: Sister Mary Lydia, C.S.S.F.

The library contains 90,100 vols.
Number of teachers: 138.
Number of students: 2,600.

MARYGROVE COLLEGE

8425 WEST McNICHOLS,
DETROIT, MICHIGAN 48221
Telephone: (313) 862-8000.
Founded 1910.

Liberal Arts College; two- and four-year master's degrees; continuing education programme.

President: Dr. Raymond A. Fleck.
Dean: Sister Suzanne Fleming, I.H.M.
Registrar: Sister Margaret Donoghue, I.H.M.
Director of Admissions: Dorothy Murphy.
Librarian: Sister Anna Mary Waickman, I.H.M.

The library contains 162,724 vols.
Number of teachers: 62.
Number of students: 816.

MICHIGAN STATE UNIVERSITY

EAST LANSING, MICHIGAN 48824
Telephone: 355-1855.

Founded 1855; the first college for teaching scientific agriculture, and the forerunner of the American system of land-grant colleges.

State control; Academic year: September to June (three terms).

President: Edgar L. Harden, ED.D.
Provost: Clarence L. Winder, PH.D.
Vice-President for Business and Finance, Treasurer: R. Wilkinson, B.A., C.P.A.
Vice-President for University Development: L. W. Scott, B.A.
Vice-President for Research and Graduate Studies: J. E. Cantlon, PH.D.
Vice-President for University Relations: R. Perrin, B.S.
Vice-President for Student Affairs and Services: E. R. Nonnamaker, PH.D.
Executive Vice-President: J. Breslin, M.A.
Registrar: H. C. King, PH.D.
Director of Libraries: R. E. Chapin, PH.D.

Library: *see* Libraries.
Number of teachers: 2,781.
Number of students: 44,211.

Publications: *M.S.U. Magazine, Centennial Review Business Topics, College of Education Quarterly, Agricultural Experiment Station Quarterly, University Catalog, Michigan Economic Record.*

Deans:

University College: W. G. Warrington, ED.D.
Agriculture and Natural Resources: J. H. Anderson, PH.D.
Arts and Letters: R. E. Sullivan, PH.D.
Business: R. J. Lewis, D.B.A.
Communication Arts and Sciences: E. Bettinghaus, PH.D.
Education: K. Goldhammer, PH.D.
Engineering: L. W. Von Tersch, PH.D.
Graduate Studies: H. J. Oyer, PH.D.
Human Ecology: L. A. Lund, PH.D.
Human Medicine: W. C. Weston, M.D.
James Madison College: R. F. Banks.
Justin Morrill College: B. W. Ward, M.M. (acting).
Lyman Briggs College: M. J. Harrison, PH.D.
Natural Science: R. H. Byerrum, PH.D.
Osteopathic Medicine: M. S. Magen, D.O.
Social Science: G. H. Andrew, PH.D.
Urban Development: R. L. Green, PH.D.
Veterinary Medicine: J. R. Welser, D.V.M., PH.D.

MICHIGAN TECHNOLOGICAL UNIVERSITY

HOUGHTON, MICHIGAN 49931
Telephone: (906) 487-1885.

Founded 1885; formerly Michigan College of Mining and Technology.

President: R. L. Smith.
Vice-President of Academic Affairs: Dr. D. F. Stein.
Vice-President for Administrative Services and Secretary, Board of Control: W. G. Lucier.

Number of teachers: 346.
Number of students: 6,807.
Publication: *Catalog.*

Deans:

Engineering: Dr. Gordon Krueger.
Sciences and Arts: W. Powers.
Graduate School: Dr. D. G. Yerg.

Forestry and Wood Products: Dr. E. A. Bourdo.
School of Business: Peter G. Biesiot.
School of Technology: Gerald J. Caspary.
Director of Library: **M. V. Krenitsky.**

Heads of Departments:

Metallurgical Engineering: Dr. L. A. Heldt.
Mining Engineering: Dr. C. E. Work.
Physical Education: Prof. T. H. Kearly.
Mathematics: Zane C. Motteler.
Electrical Engineering: Dr. R. F. Schwartz.
Mechanical Engineering: Dr. G. Scofield.
Humanities: Dr. Arthur P. Young.
Social Sciences: (vacant).
Chemistry and Chemical Engineering: **Dr. H. El Khadem.**
Forestry: **Dr. G. A. Hesterberg.**
Geology and Geological Engineering: **Dr. J. Kalliokoski.**
Biological Sciences: **Dr. R. C. Stones.**
Physics: Dr. I. Shepherd.
Civil Engineering: **Dr. G. K. Wadlin.**

Heads of Research Agencies:

Director of Research: **T. P. Evans.**
Institute of Mineral Research: **Dr. W. L. Freyberger.**
Institute of Wood Research: Dr. Anders Lund.
Ford Forestry Center: **Dr. E. A. Bourdo.**
Institute of Accounting Research: **Prof. S. Tidwell.**

NAZARETH COLLEGE

NAZARETH, MICHIGAN 49074
Telephone: (616) 349-7783.
Founded 1924.

Professions and Liberal Arts.

President: John S. Lore, ph.d.
Academic Dean: John Hopkins, ph.d.
Registrar: Germaine Maurer, s.s.j., ph.d.
Director of Admissions: Steve Hankins.
Librarian: **Martha Hallock, s.s.j.**

The library contains 67,435 vols.
Number of teachers: 60.

NORTHERN MICHIGAN UNIVERSITY

MARQUETTE, MICHIGAN 49855
Telephone: (906) 227-2242.
Founded 1899.

President: **John X. Jamrich.**
Director of Admissions: John M. Kunkel.
Librarian: **Miss Helvi Walkonen.**

The library contains 332,966 vols.
Number of teachers: 347.
Number of students: 8,076.

OAKLAND UNIVERSITY

ROCHESTER, MICHIGAN 48063
Telephone: (313) 377-2100.
Founded 1957.

State control; Academic year: September to August (three semesters).

President: D. D. O'Dowd.
Vice-President for Academic Affairs and Provost: **F. W. Obear.**
Vice-President for Business Affairs. R. W. Swanson.
Vice-President for Public Affairs: J. de Carlo.
Vice-President for Campus and Student Affairs: K. H. Coffman.

Number of teachers: 400.
Number of students: 11,051.

Publications: *Oakland University Undergraduate Catalog* (annual), *Oakland University Graduate Catalog* (every 2 years), *Oakland University Alumni Quarterly*, *Oakland University News* (weekly).

Deans:

School of Economics and Management: **N. C. Seeber.**
School of Education: **L. J. Hetenyi.**
School of Engineering: M. S. Ghausi.
School of Nursing: **Geraldene Felton.**
School of Performing Arts: (vacant).
College of Arts and Sciences: Reuben Torch.
Graduate Study: **G. P. Johnson.**
Division of Continuing Education: **L. R. Eklund.**
Kresge Library: George L. Gardiner.

OLIVET COLLEGE

OLIVET, MICHIGAN 49076
Telephone: (616) 749-7000.
Founded 1844.

President: Donald A. Morris.
Academic Dean: David K. Adams.
Controller: Richard Péwé.
Registrar: Lyle See.
Director of Admissions: (vacant).
Director of Libraries: John Kondelik.

Number of students: 790.

SIENA HEIGHTS COLLEGE

ADRIAN, MICHIGAN 49221
Telephone: 263-0731.
Founded 1919.

President: Dr. Louis C. Vaccaro.
Academic Dean: Dr. Thomas Maher.
Graduate Dean: Dr. Sharon Weber.
Registrar: Robert Parker.
Librarian: Mark Dombrowski.

The library contains 81,000 vols.
Number of teachers: 84.
Number of students: 1,200.

SPRING ARBOR COLLEGE

SPRING ARBOR, MICHIGAN 49283
Telephone: (517) 750-1200.
Founded 1873.

President: Ellwood A. Voller.
Dean of Academic Affairs: Dr. Alton R. Kurtz.

The library contains 62,000 vols.

UNIVERSITY OF DETROIT

4001 W. McNICHOLS RD.,
DETROIT, MICHIGAN 48221
Telephone:(313) 927-1000.

Founded 1877 as Detroit College and Chartered as such 1881. Chartered as a University 1911.

President: **Malcolm Carron, s.j., ph.d.**
Executive Vice-President: Dr. Walter F. McCanna.
Vice-President for Academic Affairs: Dr. Warren Baker.
Dean of Student Life: Walter Redmond.
Director of Admissions: James Masuga.
Registrar: J. A. Berkowski, ph.b.
Librarian: Gary Denue.

The library contains 479,000 vols.
Number of full-time teachers: 245.
Number of students: 8,158.

Publication: *Bulletin* (monthly, Dec. to Aug.).

Deans:

College of Liberal Arts: Dr. Eugene Montague.
College of Business and Administration: Dr. Desire Barath (acting).
College of Engineering and Science: Dr. James Kent.
School of Architecture: **B. Leon, b.arch.**
School of Law: R. Seid, ll.m.
School of Dentistry: James Smudski.

THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN 48109
Telephone: (313) 764-1817.
Telegraphic Address: Univ. of Mich., Ann Arbor, Mich.
Founded 1817.

President: **Robben W. Fleming, ll.d.**
Vice-President for Academic Affairs: Harold T. Shapiro, m.a., ph.d.
Vice-President and Chief Financial Officer: James F. Brinkerhoff, m.b.a.
Vice-President for Student Services: **Henry Johnson, b.a., m.s.w.**
Vice-President for Research: **Charles G. Overberger, m.s., ph.d.**
Vice-President for University Relations and Development: **M. Radock, m.s.j., litt.d.**
Vice-President for State Relations and Secretary of the University: **R. L. Kennedy, b.a.**
Associate Registrars: H. D. Olson, m.s., D. R. Woolley, m.a.
Director of Admissions: Clifford F. Sjogren, m.a., ph.d.
Director of the University Libraries: Richard M. Dougherty, m.l.s., ph.d.

Library: *see* Libraries.

Number of teachers: 4,540.

Number of resident students: 35,954 (excluding extensions).

Publications: *Michigan Quarterly Review, The University of Michigan Today* (quarterly), *Research News* (monthly), *Michigan Alumnus, Extension Service News* (both monthly during academic year).

Deans:

College of Architecture and Urban Planning: R. C. Metcalf, B.Arch.
School of Art: G. V. Bayliss, M.F.A.
School of Business Administration: F. A. Bond, Ph.D.
School of Dentistry: W. R. Mann, D.D.S., M.S.
School of Education: J. S. Stark, M.A., Ed.D.
College of Engineering: David V. Ragone, S.M., Sc.D.
Horace H. Rackham School of Graduate Studies: Alfred S. Sussman, A.M., Ph.D.
Law School: T. Sandalow, A.B., J.D.
School of Library Science: R. E. Bidlack, Ph.D.
College of Literature, Science, and the Arts: B. E. Frye, M.S., Ph.D.
Medical School: John A. Gronvall, M.D.
School of Music: A. P. Britton, Ph.D.
School of Natural Resources: W. J. Johnson, M.L.A.
School of Nursing: Mary Lohr, B.S.N., M.A., Ed.D.
College of Pharmacy: Ara G. Paul, M.A., Ph.D.
School of Public Health: Richard D. Remington, M.P.H., Ph.D.
Residential College: J. Mersereau, M.A., Ph.D. (Director).
School of Social Work: P. A. Fellin, M.S.W., Ph.D.

Professors:

Aerospace:
Adamson, T. C., Jr.
Anderson, W. J., Ph.D.
Bartman, F. L., Ph.D.
Beutler, F. J.
Buning, H.
Eisley, J. G.
Gilbert, E. G.
Greenwood, D. T.
Hays, P. B.
Howe, R. M.
Jones, L. M.
Lesher, E. J.
Liu, V. C.
McClamroch, N H.
Messiter, A. F.
Nelson, W. C.
Nicholls, J. A.
Ong, R. S. B.
Phillips, R. L., Ph.D.
Powers, W. F.
Rauch, L. L.
Root, W. L.
Sherman, P. M.
Sichel, M.
Sikarskie, D. L.
Taylor, J. E.
Vinh, N.
Willmarth, W. W.

Anatomy:
Avery, J. K.
Baker, B. L.
Beaudoin, A. R.
Burdi, A. R., Ph.D.
Carlson, B. M.
Castelli, W. A.
Han, S. S.
Huelke, D. F.
Kahn, R. H.
Moosman, D. A.
Oelrich, T. M.
Sippel, T. O.
Votaw, C. L.

Anaesthesiology:
Cohen, P. J.
DeKornfeld, T. J.
Finch, J. S.
Sweet, R. B.
Zsigmond, E. K.

Anthropology:
Becker, A.
Bergmann, F.
Brace, C. L.
Burling, R.
Carroll, V.
Diamond, N.
Flannery, K. V.
Ford, R. I.
Garn, S.
Kottak, C. P.
Livingstone, F. B.
Miner, H. M.
Parsons, J. R.
Rappaport, R. A.
Schorger, W. D.
Snyder, R. G.
Sudarkasa, N.
Whallon, R. E.
Wright, H. T.
Yengoyan, A. A.

Applied Mechanics and Engineering:
Clark, S. K.
Daily, J. W.
Debler, W. R.
Graebel, W. P.
Hess, R. L.
Jacobs, S. J.
Low, R. D.
McIvor, I. K.
Scott, R. A.
Smith, H. J.
Taylor, J. E.
Wineman, A. S.
Yang, W. H.
Yih, C. S.

Architecture and Urban Planning:
Barnett, N. E.
Birkerts, G.
Borkin, H. J.
Clipson, C. W.
Crandall, J. S.
Crane, G. E.
Duke, R. D.
Darvas, R. M.
Eaton, L. K.
Fader, L.
Feldt, A. G.
Gorwic, N. H.
Handler, A. B.
Himes, H. W.
Johe, H. W.
Johnson, C. D.
King, J.
Kowalewski, H. S.
Lee, J. T. A.
Lytle, R. B., Jr.
Malcolmson, R. F.
Marzolf, K.
Metcalf, R. C.
Oberdick, W. A.
Olencki, E. V.
Olving, G.
Pastalan, L. A.
Paulsen, G.
Wehrer, J. J.
Werner, W. A.

Art:
Andrews, J. W.
Baum, M.
Bayliss, G. V.
Carter, W. T.
Cassara, F.
Cheng, M. Y.
Davis, P. C.
Heers, W. W.
Kamrowski, G.
Kersten, D. B.
Korten, C. F.
Larkin, T. J.
Lewis, W. A.
McClure, T. F.
Mullen, A. P.
Palazzola, G.
Ramsay, T. K.
Reider, D. H.
Rush, J. N.
Sears, R. L.
Stephenson, J. H.
Weber, A. J.
Wilt, R. H.

Astronomy:
Cowley, C. R.
Haddock, F. T.
Hiltner, W. A.
Mohler, O. C.
Teske, R. G.

Atmospheric and Oceanic Science:
Ayers, J. C.
Bartman, F. L.
Beeton, A.
Dingle, A. N.
Donahue, T. M.
Hays, P. B.
Jacobs, S. J.
Jones, L. M.
Nagy, A. F.
Portman, D. J.

Biological Chemistry:
Agranoff, B. W.
Bernstein, I. A.
Christensen, H. N.
Coon, M. J.
Datta, P. K.
Dekker, E. E.
Dziewiatkowski, D. D.
Goldstein, I. J.
Greenberg, G. R.
Hoch, F. L.
Jourdian, G. W.
Kelley, W. N.
Lands, W. E. M.
Louis, L. H.
Ludwig, M.
Massey, V.
Oncley, J. L.
Oxender, D. L.
Radin, N.
Shafer, J. A.

Biostatistics:
Cornell, R. G.
Jacquez, J. A.
Kshirsagar, A. M.
Moore, F. E.
Schork, M. A.

Biological Sciences:
Alexander, R. D.
Allen, J. M.
Allen, S. L.
Bailey, R. M.
Beck, C. B.
Benninghoff, W. S.
Beyer, R. E.
Burch, J. B.
Cather, J. N.
Crum, H. A.

Dawson, W. R.
Evans, F. C.
Ford, R. I.
Foster, M.
Frye, B. E.
Gans, C.
Gates, D. M.
Gay, H.
Grant, P. R.
Guthe, K. F.
Hooper, E. T.
Ikuma, H.
Kaufman, P. B.
Kemp, N. E.
Kleinsmith, L. J.
Kluge, A. G.
Lowry, R. J.
McVaugh, R.
Martin, M. M.
Miller, R. R.
Moore, T. E.
Nace, G. W.
Nooden, L. D.
Northcutt, R. G.
Oakley, B.
Rizki, T. M.
Shaffer, R. L.
Shappirio, D. G.
Steiner, E. E.
Storer, R. W.
Sussman, A. S.
Test, F. H.
Tinkle, D. W.
Voss, E. G.
Wagner, W. H., Jr.
Yocum, C. S.

Business Administration:
Adams, R. W.
Arnett, H. E.
Bond, F. A.
Cameron, G. D., III
Crawford, C. M.
Danielson, L. E.
Davisson, C. N.
Dufey, G.
Edwards, A. L.
Filgas, J. F.
Gies, T. G.
Hall, W. K.
Hayes, D. A.
Hildebrandt, H. W.
Hosmer, L. T.
Jones, D. L.
Kell, W. G.
Leabo, D. A.
Lewis, D. L.
McCracken, P. W.
MacDonald, D. L.
Martin, C. R., Jr.
Miller, E. L.
Mitchell, E. J.
Pearson, K. G.
Pierpont, W. K.
Pilcher, C. J.
Reece, J. S.
Rewoldt, S. H.
Schriber, T. J.
Shontz, P. J.
Skadden, D. H.
Southwick, A.
Spivey, W. A.
Swinyard, A. W.
Taylor, J. R.
Terpstra, V.
Warshaw, M. R.
Wheeler, J. E.
Wilhelm, R. J.
Wrobleski, W. J.

Chemical Engineering:
Carnahan, B.
Curl, R. L.
Fogler, H. S.
Kadlec, R. H.
Kempe, L. L.
Martin, J. J.
Parravano, G.
Powers, J. E.
Schultz, J. S.
Sinnott, M. J.
Tek, M. R.
Wilkes, J. O.
Williams, G. B.
Yeh, G. S. Y.
Young, E. H.

Chemistry:
Ashe, A.
Bartell, L. S.
Blinder, S. M.
Dunn, T. M.
Elving, P. J.
Gordus, A. A.
Kopelman, R.
Kuczkowski, R. L.
Lawton, R. G.
Lohr, L. L.
Longone, D. T.
Martin, M. M.
Nordman, C.
Oncley, J. L.
Overberger, C. G.
Rulfs, C. L.
Smith, P. A. S.
Stiles, R. M.
Tamres, M.
Taylor, R. C.
Westrum, E. F.
Wiseman, J. R.

Civil Engineering:
Berg, G. V.
Borchardt, J. A.
Brater, E. F.
Buckley, J. W.
Canale, R. P.
Cleveland, D. E.
Cortright, D. N.
Glysson, E. A.
Gray, D. H.
Hanson, R. D.
Harris, R. B.
Richart, F. E., Jr.
Rumman, W. S.
Tons, E.
Weber, W. J., Jr.
Woods, R. D.
Wylie, E. B.

Classical Studies:
Buttrey, T. V.
D'Arms, J. H.
Koenen, L.
Pearl, O. M.
Pedley, J. G.
Pulgram, E.
Seligson, G. M.
Sweet, W. E.
Witke, C.

Community Health Programs:
Arthur, B.
Bagramian, R. A.
Baler, L. A.
Block, W. D.
Corsa, L.
Cruickshank, W. M.
Eliot, J. W.
Garn, S. M.
Margolis, P. M.
Ostrand, L. G.
Owen, G. M.
Rhodes, W. C.
Schneider, J.
Smith, D. C.
Striffler, D. F.

Community Mental Health Services:
Arthur, B.
Baler, L. A.
Margolis, P. M.
Rhodes, W. C.

Computer and Communication Sciences:
Burks, A. W.
Friedman, J. B.
Galler, B.
Holland, J.
Kaplan, S.
Meyer, J.
Reitman, W.

Dentistry:
Anderson, J. R.
Asgar, K.
Ash, M. M., Jr.
Avery, J. K.
Baer, M. J.
Bagramian, R. A.
Bonnette, G. H.
Buchholz, R. E.
Caffesse, R. G.
Cartwright, C. B.
Charbeneau, G. T.
Cheney, E. A.
Clayton, J. A.
Clewell, D. B.
Comstock, F. W.
Corpron, R. E.
Courtney, R. M.
Craig, R. G.
Doerr, R. E.
Dowson, J.
Dziewiatkowski, D. D.
Godwin, W. C.
Han, S. S.
Harris, J. E.
Hartsook J. T.
Hayes, R. L.
Hayward, J. R.
Higuchi, W. I.
Jaslow, C.
Kahler, F. W., Jr.
Kelsey, C. C.
Kerr, D. A.
Koran, A.
Kotowicz, W. E.
Lang, B. R.
Loesche, W. J.
Lorey, R. E.
Mann, W. R.
Millard, H. D.
Moyer, R. S.
Moyers, R. E.
Myers, G. E.
Nanda, S. K.
Nissle, R. R.
O'Brien, W. J.
Ramfjord, S. P.
Richards, A. G.
Rowe, N. H., Jr.
Sawusch, R. H.
Schield, H. W., Jr.
Smith, F. W.
Snyder, D. T.
Steele P., F.
Strachan, D. S.
Striffler, D. F.

Dermatology:
Dubin, H. V.
Harrell, E. R.
Headington, J. T.
Krull, E. A.
Livingood, C.
Taylor, W. B.
Voorhees, J. J.

Economics:
Ackley, G.
Anderson, W. H. L.
Barlow, R.
Berg, E. J.
Bergstrom, T. C.
Bornstein, M.
Brazer, H. E.
Cross, J. G.
Dernberger, R. F.
Feldstein, P.
Fusfeld, D. R.

Gramlich, E. M.
Holbrook, R. S.
Howrey, E. P.
Hymans, S. H.
Johnson, G. E.
Juster, T. F.
Kmenta, J.
Lee, R.
Levinson, H. M.
Morgan, J. N.
Mueller, E. L.
Neenan, W. B.
Palmer, W. B.
Shapiro, H. T.
Shepherd, W. G.
Steiner, P. O.
Stern, R. M.
Stolper, W. F.
Teigen, R. L.
Varian, H.

Education:
Angus, D. L.
Barritt, L. S.
Beach, L. W.
Berger, C. F.
Bertolaet, F. W.
Blackburn, R. T.
Bobroff, A.
Byrn, D. K.
Cash, W. L.
Cave, W. M.
Cohen, J.
Cohen, W. J.
Cooper, S.
Cosand, J. D.
Coxford, A. F.
Cruickshank, W. M.
Davis, C.
Dixon, W. R.
Dunning, A. S.
Dyer, C. O.
Edington, D. W.
Eggertsen, C. A.
Goodman, F. L.
Gordon, M.
Grambeau, R. J.
Gurin, G.
Harris, R. W.
Hughes, L. H.
Hungerman, A. D.
Hunter, W. W.
Jensen, G. E.
Johnson, M. C.
Jones, P. S.
Kehoe, R. E.
Ketcham, W. A.
Leach, K. W.
Lehmann, C. F.
Lehsten, N. G.
Lowther, M. A.
McClendon, E. J.
McMahon, G. G.
Medlin, W. K.
Menlo, A.
Merhab, W. G.
Miller, J. L., Jr.
Mills, W. H.
Morrison, B.
Morse, W. C.
Payne, J. N.
Penix, F. C.
Peterson, M. W.
Poffenberger, T.
Reiff, G. G.
Scholl, G. T.
Schwertfeger, J.
Smith, D. E. P.
Stevenson, H.
Sweet, W. E.
To, C.
Trippe, M. J.
Van Voorhees, C.
Vance, K. E.
Voss, B. E.
Walz, G. R.

Wingo, G. M.
Womer, F. B.
Zander, A. F.

Electrical and Computer Engineering:
Barton, B. F.
BeMent, S. L.
Birdsall, T. G.
Brown, R. K.
Calahan, D. A.
Chen, K.
Chu, C. M.
Chuang, K.
Enns, M. K.
Farris, H. W.
Getty, W. D.
Green, D.G.
Haddad, G. I.
Hiatt, R. E.
Irani, K. B.
Kazda, L. F.
Leith, E. N.
Lomax, R. J.
Lyon, J. A. M.
Macnee, A. B.
Masnari, N. A.
McMullen, C. W.
Meyer, J. F.
Nagy, A. F.
Naylor, A W.
Olte, A.
Scott, N. R.
Senior, T. B. A.
Sharpe, C. B.
Tai, C. T.
Volz, R. A.
Weil, H.
Williams, W. J.
Yeh, C.

Engineering Humanities:
Loomis R. A.
Martin, R. A.
Mathes, J. C.
Sawyer, T. M.
Shafter, E. M., Jr.
Skolimowski, H.
Stanton, S. S.
Stevenson, D. W.
Weeks, R. P.
Young, R. E.

English Language and Literatures:
Aldridge, J. W.
Arthos, J.
Bailey, R. W.
Baker, S. W.
Barrows, H. C.
Blotner, J. L.
Bornstein, G.
Coles, W. A.
Creeth, E. H.
Downer, J. W.
Dunning, S. A.
Eby, C. D.
English, H. M.
Fader, D. N.
Felheim, M.
Fraser, R. A.
Garbaty, T. J.
Gindin, J. J.
Greenhut, M.
Haugh, R. F.
Hayden, R. E.
Hill, D. L.
Hornback, B. G.
Howes, A. B.
King, H. V.
Knott, J. R.
Konigsberg, I.
Kuhn, S. M.
Lenaghan, R. T.
Powers, L. H.
Rabkin, E. S.
Reidy, J.
Robertson, J.
Robinson, J. L.

Sands, D. B.
Squires, J. R.
Steinhoff, W. R.
Super, R. H.

Environmental Education/Outdoor Recreation:
Michael, D. N.
Stapp, W. B.
Tocher, S. R.

Environmental and Industrial Health:
Bernstein, I. A.
Boettner, E. A.
Byers, D. H.
Cornish, H. H.
Deininger, R. A.
Gannon, J. J.
Hartung, R.
Hilbert, M. S.
Mancy, K. H.
Smith, R. G.
Whipple, G. H.

Epidemiology:
Ackermann, W. W.
Cochran, K. W.
Eckert, E. A.
Hennessy, A. V.
Higgins, I. T. T.
Higgins, M. W.
Maassab, H. F.
Monto, A. S.
Payne, F. E.
Porter, R. J.

Far Eastern Languages and Literature:
Brower, R. H.
Crump, J. I.
Hucker, C. O.
Mills, H. C.
Seidensticker, E. G.

Fisheries, Forestry and Wildlife:
Barnes, B. V.
Bassett, J. R.
Carow, J.
Gregory, G. R.
Lagler, K. F.
McCullough, D. R.
MacKinnon, D. A.
Olson, C. E., Jr.
Patterson, R. L.
Tocher, S. R.

Geography:
Gosling, L. A. P.
Kish, G.
Kolars, J. F.
Larimore, A. E.
Murphey, R.
Nystuen, J. D.

Geology and Mineralogy:
Briggs, L. I.
Cloke, P. L.
Dorr, J. A., Jr.
Eschman, D. F.
Farrand, W. R.
Heinrich, E. W.
Kelly, W. C.
Kesler, S. E.
Kesling, R. V.
Macurda, D. B.
Peacor, D. R.
Pollack, H. N.

Germanic Languages and Literatures:
Cottrell, A. P.
Cowen, R. C.
George, E. E.
Graf, O. G.
Hubbs, V. C.
Kyes, R. L.
Scholler, H.
Seidler, I. E.

History:
Becker, M. B.
Berkhofer, R. F.

Bien, D. D.
Bowditch, J.
Broomfield, J. H.
Brown, G. S.
Chang, C. S.
Clubb, J. M.
Cruse, H.
Dewey, H. W.
Eadie, J. W.
Ehrenkreutz, A. S.
Eisenstein, E.
Feuerwerker, A.
Fine, S.
Gibson, C.
Grew, R.
Hackett, R. F.
Hollinger, D. A.
Hucker, C. O.
Leslie, W. R.
Livermore, S.
Lockridge, K. A.
Mendel, A. P.
Mitchell, R. P.
Peckham, H.
Perkins, P.
Price, J. M.
Rosenberg, W. G.
Shy, J. W.
Starr, C. G.
Szporluk, R.
Tentler, T. N.
Tilly, C.
Tonsor, S. J.
Trautmann, T. R.
Trinkaus, C.
Uzoigwe, N.
Warner, R. M.
Young, E. P.

History of Art:
Edwards, R.
Eisenberg, M.
Forsyth, I. H.
Huntington, D. C.
Miesel, V.
Spink, W. M.
Whitman, N. T.

Human Genetics:
Brewer, G. J.
Chu, E. H.
Gelehrter, T. D.
Gershowitz, H.
Levine, M.
Neel, J. V.
Rucknagel, D. L.
Sing, C. F.
Tashian, R. E.

Industrial and Operations Engineering:
Chaffin, D. B.
Colding, B.
Galliher, H. P.
Hancock, W. M.
Maxwell, W.
Pollock, S.
Teichroew, D.
Wilson, R. C.

Internal Medicine:
Abbrecht, P. H.
Bauer, J. M.
Beierwaltes, W. H.
Bishop, R. C.
Bole, G. G.
Brewer, G. J.
Bull, F. E.
Carpenter, R. R.
Cassidy, J. T.
Castor, C. W.
Conn, J. W.
Duff, I. F.
Ertel, I. J.
Fajans, S. S.
Fekety, F. R., Jr.
Floyd, J. C., Jr.
French, A. B.
Gelehrter, T. D.
Green, R. A.
Harlan, W. R.
Henley, K. S.
Hoch, F. L.
Johnson, R. D.
Joseph, R.
Jourdian, G. W.
Julius, S.
Kelley, W. N.
Knopf, R. F.
McLean, J. A.
Mathews, K. P.
Matovinovic, J.
Meyers, M. C.
Mikkelsen, W. M.
Neel, J. V.
Ostrander, L. D.
Penner, J. A.
Pitt, B.
Pollard, H. M.
Robinson, W. D.
Rucknagel, D. R.
Schteingart, D.
Sisson, J.
Soloman, W. R.
Thompson, G. R.
Weg, J. G.
Weller, J. M.
Willis, P. W., III
Zarafonetis, C. J. D.
Zweifler, A. J.

Journalism:
Baker, D. C.
Cannell, C. F.
Clarke, P.
Field, J. V.
Porter, W. E.
Stephens, J. D.
Yablonky, B. L.

Landscape Architecture:
Cares, C. W.
Johnson, C. D.
Johnson, W. J.
Polakowski, K. J.

Law:
Allen, F. A.
Allen, L. E.
Blasi, V. A.
Browder, O. L., Jr.
Carrington, P. D.
Chambers, D. L.
Conard, A. F.
Cooper, E. H.
Cooperrider, L. K.
Cunningham, R. A.
Donahue, C.
Edwards, H. T.
Estep, S. D.
Fleming, R. W.
Gray, W.
Green, T. A.
Israel, J. H.
Jackson, J. H.
Kahn, D. A.
Kamisar, Y.
Kauper, T. E.
Kennedy, F. R.
Lempert, R. O.
Martin, J. A.
Palmer, G. E.
Pearce, J. R.
Pierce, W. J.
Plant, M. L.
Pooley, B. J.
Proffitt, R. F.
Reed, J. W.
Regan, D. H.
St. Antoine, T. J.
Sandalow, T.
Sax, J. L.
Smith, A. F.
Stein, E.
Steiner, P.
Vining, G. J.
Waggoner, L. W.
Watson, A. S.
White, J. J.
Wright, L. H.

Library Science:
Bidlack, R. E.
Bonk, W. J.
Dougherty, R. M.
Hessler, D. W.
Lloyd, H. D.
Magrill, R. M.
Rinehart, C.
Slavens, T. P.
Vainstein, R.
Vance, K. E.
Wagman, F. H.
Warner, R. M.
Weichlein, W. J.

Linguistics:
Becker, A. L.
Burling, R.
Catford, J. C.
Gedney, W. J.
Schramm, G. M.
Selinker, L.

Materials and Metallurgical Engineering:
Bigelow, W. C.
Flinn, R. A.
Hosford, W. F.
Hucke, E. E.
Leslie, W. C.
Parravano, G.
Pehlke, R. D.
Ragone, D. V.
Sinnott, M. J.
Tien, T. Y.
VanVlack, L. H.
Yeh, G. S. Y.
Young, E. H.

Mathematics:
Bartels, R. C. F.
Brown, M.
Brumfiel, C. F.
Cesari, L.
Dickson, D. G.
Dolph, C. L.
Duren, P. L.
Federbush, P. G.
Gehring, F. W.
Harary, F.
Hay, G. E.
Heins, A. E.
Higman, D. G.
Hochster, M.
Jones, P. S.
Kaplan, W.
Kincaid, W. M.
Kister, J. M.
Krause, E. F.
Lewis, D. J
Lyndon, R. C.
McLaughlin, J. E.
Milne, J. S.
Montgomery, H. L.
Nesbitt, C. J.
Pearcy, C. M.
Piranian, G.
Rumanuian, M. S.
Raymond, F. A.
Reade, M. O.
Shields, A. L.
Smoller. J. A.
Taylor, B. A.
Titus, C. J.
Ullman, J. L.
Wendel, J. G.
Winter, D. J.
Woodroofe, M. B.

Mechanical Engineering:
Alvord, H. H.
Arpaci, V. S.
Bolt, J. A.

Caddell, R. M.
Chace, M. A.
Clark, J. A.
Colwell, L. V.
Datsko, J.
Evaldson, R. L.
Felbeck, D. K.
Frederick, J. R.
Hammitt, F. G.
Juvinall, R. C.
Lady, E. R.
Ludema, K. C.
Merte, H.
Mirsky, W.
Pearson, J. R.
Quackenbush, L. J.
Segel, L.
Sonntag, R. E.
Springer, G. S.
Vest, C. M.
Yang, W. J.

Medical Care Organization:
Axelrod, S. J.
Bashshur, R. L.
Berki, S. E.
Darsky, B. J.
Donabedian, A.
Feingold, E. N.
Metzner, C. A.
Penchansky, R.

Microbiology:
Clewell, D. B.
Friedman, C. I.
Johnson, A. G.
Juni, E.
Kempe, L. L.
Loesche, W. J.
Murphy, W. H.
Neidhardt, F. C.
Olsen, R. H.

Music:
Bassett, L. R.
Bossart, R. E.
Boylan, P.
Britton, A. P.
Browne, R.
Bryan, K.
Bundra, F.
Cavender, G. R.
Chudacoff, E. M.
Clark, R.
Clark, R.
Clough, J.
Cooper, L. H.
Courte, R. J.
Crawford, D.
Crawford, R.
Derr, E.
Dexter, B. W.
Fisher, C. R.
Froseth, J.
Glasgow, R.
Herbert, R.
Hilbish, T.
Hord, R. W.
Hunt, M.
Hurst, L.
Jacobi, R. E.
Jelinek, J. M.
Lehman, P.
Lettvin, T.
Lewis, R.
Likova, E. M.
Lillya, C. P.
Makanowitzky, P.
McCollum, J. M.
McPeek, G. S.
Malm, W. P.
Mariotti, A.
Mason, M.
Mayes, S.
Meier, G.
Mohler, J.
Owen, C.
Patterson, W. C.
Reyes, A.
Reynolds, R.
Rosseels, G. A.
Sandor, G.
Smith, G. P.
Standifer, J.
Stout, L. J.
Torchinsky, A.
Wallace, J. B.
Warner, R. A.
Watkins, G. E.
Weichlein, W. J.
Wilson, G. B.

Naval Architecture and Marine Engineering:
Benford, H. B.
Couch, R. B.
D'Arcangelo, A. M.
Ogilvie, T. F.
Woodward, J. B.
Yagle, R. A.

Natural Resources:
Barnes, B. V.
Bassett, J. R.
Bulkley, J. W.
Cares, C. W.
Carow, J.
Drake, W. D.
Feldt, A. G.
Gregory, G. R.
Hooper, F. F.
Johnson, C. D.
Johnson, W. J.
Lagler, K. F.
MacKinnon, D. A.
McCullough, D. R.
Michael, D. N.
Olson, C. E.
Patterson, R. L.
Polakowski, K. J.
Preston, S. B.
Stapp, W. B.
Smith, S.
Suits, G. H.
Tocher, S. R.

Near Eastern Languages and Literatures:
Abdel-Massih, E. T.
Bellamy, J. A.
Ehrenkreutz, A. S.
Freedman, D. N.
Krahmalkov, C. R.
LeGassick, T. J.
Luther, K. A.
McCarus, E. N.
Mendenhall, G. E.
Orlin, L. L.
Rammuny, R. M.
Schramm, G. M.
Stewart-Robinson, J. M. L.
Windfuhr, G. L.

Neurology:
DeJong, R. N.
Feringa, E. R.
Kooi, K. A.
Magee, K. R.
Siegel, G. J.
Westerberg, M. R.

Nuclear Engineering:
Akcasu, Z.
Bach, D. R.
Duderstadt, J. J.
Kammash, T.
Kerr, W.
Kikuchi, C.
King, J. S.
Knoll, G. F.
Osborn, R. K.
Summerfield, G. C.
Vincent, D. H.

Nursing:
Davis, C. K.
Donabedian, D.
Gage, L. E.
Griesen, J.
Hansen, B.
Horsley, J.
Judd, J. M.
Kalisch, B. J.
Lohr, M.
Loomis, M. E.
McCain, R. F.
Marshall, N. E.
Murphy, M. M.
Reynolds, M.
Sana, J. M.
Schultz, S.
Shryock, A.
Strang, R.
Swain, M. A.

Obstetrics and Gynaecology:
Campbell, C.
Morley, G. W.
Schneider, J.
Willson, J. R.

Ophthalmology:
Alpern, M.
Green, D. G.
Henderson, J. W.
Wolter, J. R.

Otorhinolaryngology:
Gross, N.
Hawkins, J. E.
Krause, C. J.
Lawrence, M.
Stebbins, W.
Work, W. P.

Pathology:
Abell, M. R.
Abrams, G. D.
Appelman, H. D.
Batsakis, J. G.
Baublis, J. V.
Feringa, E. R.
French, A. J.
Gikas, P. W.
Gronvall, J. A.
Headington, J. T.
Hendrix, R. C.
Hicks, S. P.
Hinerman, D. L.
Kerr, D. A.
Midgeley, A. R.
Naylor, B.
Nishiyama, R. H.
Oberman, H. A.
Rowe, N. H.
Schmidt, R. W.
Schnitzer, B.
Wolter, J. R.

Paediatrics and Communicable Diseases:
Allen, R.
Bacon, G.
Baublis, J.
Cassidy, J.
DeMuth, G.
Dickinson, D.
Gibson, R.
Hartsook, J.
Hennessy, A.
Heyn, R.
Howatt, W.
Kelch, R. P.
Kelsch, R. C.
Schmickel, R.
Smith, D.
Stern, A.
Strang, R.
Wegman, M.

Pharmacology:
Counsell, R. E.
La Du, B. N., Jr.
Domino, E. F.
Lucchesi, B. R.

Smith, C. B.
Swain, H. H.
Weber, W. W.
Zannoni, V. G.

Pharmacy:
Burckhalter, J. H.
Counsell, R. E.
Flynn, G. L.
Higuchi, W. I.
Paul, A. G.
Richards, J. W.
Rowe, T. D.
Sinsheimer, J. E.
Wagner, J. G.
Weiner, N. D.

Philosophy:
Bergmann, F.
Brandt, R. B.
Burks, A. W.
Frankena, W. K.
Gibbard, A. F.
Goldman, A. I.
Kim, J.
Mavrodes, G. I.
Meiland, J. W.
Munro, D. J.
Sklar, L.

Physical Medicine and Rehabilitation:
Cole, T.
Rae, J. W.
Smith, E. M.

Physics:
Coffin, C. T.
Crane, H. R.
Ford, G. W.
Hazen, W. E.
Hecht, K. T.
Hendel, A. Z.
Janecke, J. W.
Jones, L. W.
Kane, G. L.
Katz, E.
Krimm, S.
Krisch, A. D.
Lewis, R. R.
Longo, M. J.
Meyer, D. I.
Overseth, O. E.
Parkinson, W. C.
Peters, C. W.
Rich, A.
Roe, B. P.
Ross, M. H.
Sanders, T. M., Jr.
Sands, R. H.
Sherman, N.
Sinclair, D. A.
Terwilliger, K. M
Tickle, R. S.
Tomozawa, Y.
VanderVelde, J. C.
Ward, J. F.
Weinreich, G.
Wiedenbeck, M. L.
Williams, W. L.
Zorn, J. C.

Physiology:
Abbrecht, P. H.
Alpern, M.
Bean, J.
Bohr, D.
Casey, K. L.
Davenport, H. W.
Faulkner, J.
Jacquez, J.
Jochim, K. E.
Malvin, P.
Rutledge, L. T.
Sparks, H.
Vander, A. J.

Political Science:
Anton, T. J.
Ballis, W. B.
Barnes, S. H.
Converse, P. E.
Eldersveld, S. J.
Fifield, R. H.
Grace, F.
Grassmuck, G. L.
Jacobson, H. K.
Jennings, M. K.
Kingdon, J. W.
Mazrui, A. A.
Meyer, A. G.
Miller, W. E.
Organski, A. F. K.
Oksenberg, M. C.
Park, R. L.
Pierce, R.
Putnam, R. D.
Rehmus, C. M.
Singer, J. D.
Tanter, R.
Walker, J. L.
Whiting, A. S.
Zimmerman, W.

Postgraduate Medicine and Health Professions Education:
Harlan, W. R.
Hiss, R. G.
Hodge, G. P.
Johnson, R. D.

Psychiatry:
Agranoff, B. W.
Arthur, B.
Blumenthal, M.
Carroll, B.
Curtis, G.
Fraiberg, S.
Guiroa, A. Z.
Harrison, S. I.
Hendrickson, W. J.
Horvath, W.
Kochen, M.
Kooi, K. A.
Kornblum, S.
Margolis, P. M.
Nagera, H.
Poznanski, E.
Quarton, G. C.
Radin, N.
Richardson, G. A.
Schmale, H. T.
Selzer, M. L.
Shevrin, H.
Silverman, A. J.
Watson, A. S.

Psychology:
Adelson, J.
Alpern, M.
Arthur, B.
Atkinson, J.
Baler, L. A.
Bardwick, J.
Bordin, E.
Brown, D. R.
Burnstein, E.
Butter, C.
Cain, A.
Campbell, A.
Cartwright, D.
Cohn, T.
Coombs, C.
Cooper, S.
Cruickshank, W.
Davis, R.
Douvan, E.
Ericksen, S.
Fast, I.
French, J.
Georgopoulos, B.
Gordon, J.
Guiora, A.
Gurin, P.
Gutmann, D.
Hagen, J.
Heine, R.
Hoffman, L.
Hoffman, M.
Kahn, R.
Kaplan, S.
Krantz, D. H.
Lawler, E.
Lawrence, M.
Lingoes, J.
Manis, M.
Mann, R. D
Marsden, G.
Mayman, M.
McConnell, J.
McKeachie, W. J.
Michael, D.
Milholland, J. E.
Morse, W. C.
Nisbett, R.
Norman, W. T.
Pelz, D.
Pollack, I.
Pollie, D.
Price, R.
Raphelson, A.
Reitman, W. R.
Rhodes, W.
Rosenwald, G. C.
Seashore, S. E.
Shevrin, H.
Smith, J. E. K.
Stebbins, W. C.
Stevenson, H. W.
Tannenbaum, A. S.
Thomas, E. J., Jr.
Uttal, W. R.
Valenstein, E. S.
Veroff, J.
Walker, E. L.
Weintraub, D.
Withey, S. B.
Wolowitz, H.
Zajonc, R. B.
Zander, A. F.

Radiology:
Brinker, R.
Fayos, J. V.
Gabrielson, T. O.
Holt, J. F.
Martel, W.
Poznanski, A. K.
Thornbury, J. R.
Whitehouse, W, M.

Resource Ecology:
Barnes, B. V.
Hooper, F. F.
Lagler, K. F.
McCullough, D. R.

Resource Policy and Management:
Bulkley, J. W.
Drake, W. D.
Feldt, A. G.
Gregory, G. R.
Lagler, K. F.
Michael, D. N.
Olson, C. E., Jr.
Preston, S. B.

Romance Languages and Literatures:
Büdel, O.
Carduner, J. R.
Casa, F. P.
Chambers, L. R.
Fraker, C. F.
Goic, C.
Gray, F. F.
Hafter, M. Z.
Ilie, P.
Kiddle, L. B.
Lopez-Grigera, L.

Merhab, W. G.
Morgan, R., Jr.
Muller, M.
Nelson, R. J.
O'Neill, J. C.
Pulgram, E.
Wyers, F.

Slavic Languages and Literatures:
Brown, D. B.
Dewey, H. W.
Humesky, A. K.
Matejka, L.
Mersereau, J., Jr.
Proffer, C.
Stolz, B. A.
Titunik, I. R.
Welsh, D.

Social Work:
Bernard, S. E.
Bertcher, H. J.
Churchill, S. R.
Cook, L. M.
Costabile, J. E.
Croxton, T. A.
Epstein, I.
Feld, S. C.
Fellin, P. A.
Ferman, L. A.
Garvin, C. D.
Glasser, P. H.
Gomberg, E. S.
Gordon, J. E.
Hartman, L. A.
Johnson, H. R.
Kilpatrick, D. M.
Lauffer, A. A.
Maple, F. F.
Meyer, H. J.
Neenan, W. B.
Radin, N.
Rothman, J.
Sarri, R. C.
Taylor, M. N.
Thomas, E. J.
Tripodi, T.
Tropman, J. E.
Vinter, R. D.
Wolfson, C. S.

Sociology:
Campbell, A. A.
Converse, P. E.
Farley, R.
Freedman, R.
Gamson, W. A.
Goldberg, D.
Kish, L.
Landecker, W. S.
Meyer, H.
Miner, H. M.
Ness, G. D.
Schuman, H. D.
Tilly, C.
Zald, M.

Speech:
Austin, H. R.
Bender, J. E.
Billings, A. G.
Garrison, G. R.
Hildebrandt, H. W.
Martin, H. H.
Meyer, R. D.
Morley, D. E.
Okey, L. L.
Rupp, R. R.
Sharf, D. J.
Smith, A.
Stasheff, E.
Weisfeld, Z. H.
Wiley, J. H.
Willis, E. E.

Statistics:
Ericson, W. A.
Hill, B. M.
Starr, N.
Woodroofe, M.

Surgery:
Bailey, R. W.
Behrendt, D.
Bonnette, G. H.
Coon, W. W.
Coran, A. G.
Dent, T. L.
Hayward, J. R.
Kaufer, H.
Kindt, G. W.
Kirsh, M. M.
Lapides, J.
Lindenauer, S. M.
Schneider, R. C.
Sloan, H. E., Jr.
Smith, W. S.
Taren, J. A.
Thompson, N. W.
Turcotte, J. G.

Wildlife and Fisheries:
Hooper, F. F.
Lagler, K. F.
Patterson, R. L.

Selected Institutions Attached to the University:

English Language Institute, Kresge Hearing Research Institute, Simpson Memorial Institute, Mental Health Research Institute, Institute for Human Adjustment, Institute for Social Research, Institute for the Study of Mental Retardation, Institute of Gerontology, Institute of Labor and Industrial Relations, Institute of Public Policy Studies, Institute of Environmental and Industrial Health, Institute of Science and Technology, Highway Safety Research Institute, Center for Chinese Studies, Center for Japanese Studies, Center for Near Eastern and North African Studies, Center for Russian Studies, Center for South and Southeast Asian Studies, Lawrence D. Buhl Genetics Research Center for Human Genetics, Urban Planning, Center for Human Growth and Development, Center for Research on Language and Language Behavior, Center for the Study of Higher Education, Center for Research on Learning and Teaching, Computing Center, Biological Station, Botanical Gardens, University Herbarium, Museum of Anthropology, Museum of Paleontology, Museum of Zoology, University Observatories, Program in Ecology, Middle English Dictionary, Clinical Research Unit, Nuclear Medicine Unit, Bureau of Hospital Administration, Center for Continuing Education of Women, Bureau of Public Health Economics, Rackham Arthritis Research Unit, Michigan Memorial Phoenix Project, Center for Population Planning and Population Studies, Hypersonic Wind Tunnel, Cyclotron Laboratory, Cooley Electronics Laboratory, High-Altitude Engineering Laboratory, Electron Physics Laboratory, Radiation Laboratory, Systems Engineering Laboratory, Ship Hydrodynamic Laboratory.

There are more than one hundred other research units attached to the schools, colleges and departments.

University of Michigan—Dearborn Campus

Dearborn, Michigan 48128

Chancellor: Leonard E. Goodall, m.a., ph.d.

Number of students: 5,480.

University of Michigan—Flint

Flint, Michigan 48503
Telephone: (313) 762-3300.
Founded 1956.

State control; Academic year: September to April.

Chancellor: William E. Moran, m.b.a., ph.d.
Registrar: Mogens F. Jensen.
Librarian: David W. Palmer.

Number of teachers: 199.
Number of students: 3,801.

Deans:

Academic Dean: Wesley D. Rae (acting).
Dean for Administration: Arnold M. Melnick.
Dean of College of Arts and Sciences: Wesley D. Rae.
Dean of School of Management: John A. Larson.
Dean for Student Services: Marvin J. Robertson.

WAYNE STATE UNIVERSITY

DETROIT, MICHIGAN 48202
Telephone: (313) 577-2424.

Oldest antecedent college founded 1868, University 1933.

President: Thomas N. Bonner, ph.d.
Vice-President and Treasurer: Charles F. Sturtz, m.a.
Provost: E. Burrows Smith, ph.d.
Vice-President for State and Congressional Relations: Norman J. Schlafmann, ph.d.
Vice-President for Urban Affairs: Ronald W. Haughton, m.a.
Vice-President for Student Affairs: Dorothy L. Frackelton, m.ed.
Vice-President for University Relations: Arthur L. Johnson, m.a.
Vice-President and Secretary to the Board: Martin Barr, ph.d.
Registrar: J. Richard Thorderson, ph.d.
Librarian: Vern M. Pings, ph.d.

Number of teachers: 2,325.
Number of students: 18,740 men, 15,649 women, total 34,389.

Deans:

College of Education: J. Edward Simpkins, ed.d.
College of Engineering: Stanley K. Stynes, ph.d.
College of Liberal Arts: M. Stearns, ph.d.
College of Nursing: Lorene R. Fischer, m.a., r.n.
College of Pharmacy and Allied Health Professions: Eberhard F. Mammen, m.d.

School of Social Work: S. Dillick, ph.d.
School of Medicine: Robert D. Coye, m.d.
Law School: Donald H. Gordon, ll.m.
School of Business Administration: Victor Doherty, ph.d.
College of Lifelong Learning: Robert Hubbard, ph.d.
Graduate Studies: Albert Bharucha-Reid, a.b.
Director of Health and Physical Education: Chalmer G. Hixson, ph.d.

PROFESSORS:

School of Business Administration:

Accounting:

Alvin, G.
Roberts. A.

General Business:

Forsythe, E. J.
Hough, L.
Spencer, M.

Management:

Despelder, B.
Doherty, V.
Forsythe, E. J.

Marketing:

Johnson, H. W.

College of Education:

Academic Services:

Reilly, H.
McCormick, C. A.

Educational Leadership:

Boicourt, G.
Childs, J.
Clute, M.
DeMont, R.
Ellsworth, R.
Estvan, F.
Hagman, H.
Hamilton, J.
Hillman, L.
Hoth, W.
Hough, W.
Peterson, R. D.
Rislov, S.
Simpkins, E. J.
Smith, M.
Vrick, R.

Library Science:

Booth, R.
Casey, G.
Grazier, M.

Teacher Education:

Bateson, W.
Bissett, D.
Coleman, T. W., Jr.
Colvin, C.
Cook, F.
Crawford, C. D.
Douglas, M.
Fair, J.
Harrington, F.
Hughes, P.
Lanham, F.
McMillan, M.
Mikelson, S.
Retherford, G.
Sanders, P.
Smith, E. B., Jr.
Smith, E. P.
Smith, G.
Stone, S.
Suchara, H.
Vanderlinde, L.
Weiley, E.
Youkstetter, F. O.

Theoretical and Behavioural Foundations:

Adamek, E. G., Jr.
Ambinder, W.
Barahal, G.
Brown, A.
Cantoni, L.
Campbell, J. F.
Champlin, N.
Citron, A.
Collier, J.
DeWitt, J.
Irwin, C.
Kerber, A.
Kounin, J.
Leonard, G. E.
Neff, F.
Ofchus, L.
Pietrotesa, J.
Splete, H.
Vriend, J.
Wattenberg, W.
Wurtz, R.

College of Engineering:

Chemical Sciences:

Corey, C. L.
Donnelly, H. G.
Fisher, E. R.
Kummler, R.
Marriott, R.
Rothe, E. W.
Stynes, S. K.

Civil:

Cheney, L. T.
Ordon, C. J.
Paulson, J. M.

Electrical:

Barnard, R. D.
Brammer, F. E.
Feng, T.
Ghausi, M. S.
Meisel, J.
Sather, R. O.
Scherba, M. B.
Shaw, M. P.
Yu, F. T.

Graphics:

DeSilva, C. N.

Industrial Engineering and Operations Research:

Christensen, J.
Jones, A. W.
Knappenberger, H. A.
Kroemer, K.

Mechanical Engineering:

DeSilva, C. N.
Henein, N. A
Howell, G. H.
King, A. I.
Kline, K.
Lee, J. P.
Piccirelli, A. R.
Sachs, H. K.

Metallurgical Engineering:

Corey, C. L.
Himmel, L.
Rol, P.

Law School:

Adelman, M.
Bartke, R. W.
Bartosic, F.
Borman, P. D.
Callahan, K. R.
Friedman, Jane M.
Glavin, J. E.
Gordon, D.
Granu, J.
Harbrecht, P. P.
Hetzel, O.
Kelman, M.
Lamborn, L.
Lanning, G. J.
Littlejohn, E.
Lombard, A. J.
Lombard, F. K.
Mogk, J E.
Schenk, A.
Schulman, S. H.
Shuman, S. I.
Slovenko, R.
Strichartz, R.
Tierney, K.
Wise, E. M.

College of Liberal Arts:

Anthropology:

Christensen, J. B.
Moss, L. W.
Pilling, A. R.

Art and Art History:

Allen, W. A.
Andrews, W.
Becker, W. C.
Constantine, Olga
Fike, P. G.
Gilleran, P. J.
Goldman, B.
Gutmann, J.
Mitchell, D. A.
Nobili, L. J.
Smith, G. Alden
Wilbert, R. J.
Woodward, W. T.

Biology:

Chavin, W.
Cook, D. R.
DeGiusti, D. L.
Foor, E.
Gangwere, S. K.
Izawa, S.
Jay, J. M.
Levine, L.
Mattman, H.
Mayeda, K.
Mizukami, H.
Prychodko, W.
Rogers, C. M.
Rossmoore, H. W.
Siegel, A. E.
Taylor, J.
Thompson, W. L.

Chemistry:

Bach, R.
Ebbing, D. D.
Endicott, J. F.
Gayer, K. H.
Glick, M. D.
Hahn, R. B.
Johnson, C. R.
Kevan, L.
Kimura, T.
Kirschner, S.
LeBel, N. A.
Lim, E.
Lintveldt, R.
Oliver, J. P.
Powers, W. H.
Raban, M.
Reck, G.
Rorabacher, D.
Schenk, G. H., Jr.
Stevens, C. L.
Tchen, T. T.
Trivich, D.

Computer Science Education:

Mather, F. P.
Westerveldt, F. H.

Economics:

Fand, D.
Finn, T. J., Jr.
Goodman, I. B.
Kahn, M. L.

LEVIN, J. H.
MATTILA, J. M.
OWEN, J. D.
PAAUW, D. S.
ROSKAMP, K. W.
SMYTH, D.
THOMPSON, W. R.

English:

GOLDEN, S. A.
GOLDSMITH, A. L.
HERNLUND, P.
HUGHES, D. J.
NASH, R. L.
PRESCOTT, J.
REED, J. R.
RUMBLE, T. C.
SCHWARZ, A.
WAGNER, V.
WILLIAMSON, M. L.
YU, B.

Family and Consumer Resources:

CALLARD, E. D.
DOSTICK, M.

Geography:

DOHRS, F. E.
GOODMAN, R. J.
SINCLAIR, R.

Geology:

DRISCOLL, E. G.
MOZOLA, A. J.
RONCA, L. B.

Greek and Latin:

MINADEO, R. W.

History:

BRAZILL, W. J., Jr.
BURKS, R. V.
COVENSKY, M.
GILB, C.
HOOPER, F. A.
McDONALD, F.
MAGOULIAS, H.
MASON, P.
MAYER-OAKES, T. F.
MILES, R. D.
SMALL, M.
SMITH, G. A.
WALTON, R. C.

Humanities:

GOLDMAN, B.
HERMAN, M.
LEOPOLD, S.
McCOY, A.

Mathematics:

BHARUCHA-REID, R.
BROWN, L.
EISENSTADT, B. J.
IRWIN, J. M.
ITO, T.
LAURENT, A. G.
LELEK, A. S.
NISHIURA, T.
OWENS, O. G.
SEIDEL, W.
TSAO, C. K.
WECHSLER, M. T.

Music:

ARNOLDI, H.
CUCCI, A.
DELEONARD, M. F.
JOHNS, M. M.
LABUTA, J.
LANGSFORD, H. M.
LAWSON, R. F.
TICKTON, J. H.
YOUNG, C. W.

Near Eastern and Asian Studies:

LASSNER, J.

Philosophy:

ANGELL, R.

Physics:

BEARD, G. B.
BERES, W.
DEGRAAF, A.
DENMAN, H. H.
FAVRO, L.
FRADKIN, D.
GUPTA, S. N.
KIM, Y. W.
SAPERSTEIN, A. M.
STEARNS, M.
STEWART, M. G., Jr.
THOMAS, R.

Political Science:

CUSHMAN, E. L.
FLEMING, T.
FRIEDLAND, L. L.
GOULD, W.
MARK, M.
PARRISH, C. J.
SEIDLER, M. B.
VINYARD, C. D.
WATERS, M.

Psychology:

AGER, J.
ALEXANDER, S.
ASDOURIAN, D.
BASS, A.
ELLIOTT, D. N.
GARDNER, L. H.
LACHMAN, S. J.
LEVENTHAL, G.
LEVY, S.
ROSEN, H.
ROSENBAUM, G.
SALTZ, E.
SOLLEY, C. M., Jr.
STAGNER, R.
STETTNER, L.
TEAHAN, J.

Romance and Germanic Languages:

ALMAZAN, V. C.
BASSAN, F.
BERSHAS, H. N.
CIRRE, M. M.
DAEMMRICH, H. S.
GOFF, P.
SCHINDLER, M.
SMITH, E. B.

Slavic and Eastern European Languages:

CIZEVSKA, T.
ORDON, E.

Sociology:

ALBINI, J.
ESHLEMAN, J. R.
KAHANA, E.
RAVITZ, M. J.
SAFILIOS-ROTHSCHILD, C.
WARSHAY, L.
WOLF, ELEANOR

Speech and Mass Communication Arts:

BAHN, E. H.
BROCK, B.
GAETH, J.
HAZZARD, R. T.
LEITH, W.
LEONE, L.
PAPPAS, E.
ROSS, R. S.
TINTERA, J. B.
ZIEGELMUELLER, G. W.

Urban Planning:

RAVITZ, M. J.

Health and Physical Education:

HIXSON, C.
LANDE, L.
MASON, J. G.
MULHAUSER, F. A.
WASSON, W. N.

School of Medicine:

Anatomy:

BERNSTEIN, M. H.
BOVING, B.
GOODMAN, M.
KITAI, S.
LASKER, G. W.
MAISEL, H.
MEYER, D. B.
MIZERES, N. J.

Audiology:

GAETH, J. H.
LYNN, G.

Biochemistry:

BROOKS, S.
BROWN, R. K.
LEE, C. P.
VINOGRADOV, S.

Immunology and Microbiology:

BERK, R.
JEFFRIES, C.
LEON, M.
RICH, M.
ROSE, N.
STULBERG, C.
WEINER, L. M.

Physiology:

BAECHLER, C. A.
BARNHART, MARION I.
HENRY, R. L.
MAMMEN, E. F.
SEEGERS, W. H.
SHEPARD, R. S.

Anaesthesiology:

BROWN, E.
DALSANTO, G.

Dermatology and Syphilology:

BIRMINGHAM, D. J.

Internal Medicine:

ARNSTEIN, A. R.
AXELROD, A.
BRENNAN, M.
CLAPPER, I. M.
FISHENHOLZ, A.
JONES, D.
LERNER, A. M.
LEWIS, B. M.
LUCAS, C.
McDONALD
MACK, R.
MADRID, F.
POWER, L. H.
PRASAD, A. S.
PURI, P.
SCHLESS, J.
WEISSLER, A.

Neurology:

BAUER, R. B.
CHURCHILL, J. A.
GILROY, J.
LYNN, G.
MAULSBY, R.
REDDING, F.
RODIN, E.

Neurosurgery:

THOMAS, L. M.

Obstetrics and Gynaecology:

BOVING, B. G.
BOYCE, C. R.
EVANS, T. N.
HAFEZ, E.
MOGHISSI, K.
SHERMAN, A.

Occupational and Environmental:

REEVES, A. L.

Oncology:

HORWITZ, J. P.
KESSEL, D. H.

Simpson, W.
Vaitkevicius, V. K.

Community Medicine:
Goldberg, T.

Family Medicine:
Hess, J. W.

Comparative Medicine:
De Giusti, D.
Edwards, A. G.

Ophthalmology:
Essner, E.
Harding, C.
Jampel, R. S.

Orthopaedic Surgery:
Pedersen, H. E.

Otolaryngology:
Beekhuis, G. J.
Hauser, I. J.
Waggoner, L.

Paediatrics:
Cohen, F.
Cohen, S.
Dajani, A. S.
Done, A. K.
Green, E.
Gronemeyer, W.
Krieger, I.
Lusher, J.
Polgar, G.
Whitten, C.
Wolley, P. V.

Pathology:
Chason, J. L.
Coye, R. D.
Kaldore, G.
Mammen, E.
Pinkus, H.
Powsner, E. R.
Rosenberg, B.
Rutsky, J.
Thibert, R.
Zak, B.

Pharmacology:
Anderson, G.
Done, A.
Dutta, S.
Goodman, H.
Kessel, D.
Marks, B.

Physical Medicine and Rehabilitation:
Bender, L.
Schaeffer, J. N.

Physiology:
Barnhart, M.
Foa, P.
Gala, R.
Henry, R.
Mammen, F.
Seegers, W.
Shepard, R.

Psychiatry:
Fischhoff, J.
Grier, W.
Rozenzweig, N.
Tourney, G.

Radiology:
Chavin, W.
Krabbenhuft, K. C.
Kurtzman, R. S.
Wollschlaeger, G.
Wollschlaeger, P. B.

Urology:
Perlmutter, A. D.
Pierce, J. M., Jr.

Surgery:
Arbula, A.
Kantrowitz, A.
Lucas, C.
Nickel, W.
Rosenberg, I. K.
Rosenberg, J. C.
Walt, A. J.
Wilson, R. F.

College of Nursing:
Cleland, V.
Day, J. E.
Fischer, L.
Gottdank, M.
Johnson, J.
Reilly, D.

College of Pharmacy and Allied Health Professions:
Barr, M.
Dauphinais, R. J.
Dunker, M. F.
Louis-Ferdinand, R.
Mammen, E.
Moore, W.
Nagwekar, J.
Schnebly, M.
Wormser, H.

School of Social Work:
Dillick, S.
Goldberg, R. L.
Hourihan, J. P.
Hurwitz, J. I.
Lebeaux, C.
Lucas. L.
Mahaffey, M.
Rusnack, B.
Spitzer, K.
Wineman, D.

WESTERN MICHIGAN UNIVERSITY

KALAMAZOO, MICHIGAN 49008

President: John T. Bernhard.
Vice-President for Academic Affairs: S. R. Mitchell.
Vice-President for Administration: M. L. Coulter.
Vice-President for Finance: R. B. Wetnight.
Vice-President for Student Affairs: T. E. Coyne.
Controller: R. W. Beecher.
Registrar: D. Boyle.
Librarian: C. H. Sachtleben.

Number of students: 23,238.

Deans:

Business: D. E. Jones.
Applied Sciences: C. W. Fitch.
Arts and Sciences: C. Loew.
Education: J. E. Sandberg.
Graduate: G. G. Mallinson.
General Studies: N. C. Greenberg.
Fine Arts: R. Holmes.

MINNESOTA

AUGSBURG COLLEGE

731 21st AVENUE SOUTH,
MINNEAPOLIS,
MINNESOTA 55454

Telephone: (612) 332-5181.

Founded 1869.

President: Oscar A. Anderson, ll.d.
Registrar: Beverly Wegge.
Librarian: Margaret Anderson.

The library contains 154,000 vols.

Number of teachers: 140.

Number of students: 1,751 (full-and part-time).

Publication: *Augsburg College Now* (quarterly).

BEMIDJI STATE UNIVERSITY

BEMIDJI, MINNESOTA 56601

Telephone: (218) 755-2000.

Founded 1919.

President: Robert D. Decker.
Director of Admissions and Records: E. Aalberts.
Librarian: Judith L. McDonald.

The library contains 200,000 vols.

Number of teachers: 220 full-time.
Number of students: 4,400.

BETHEL COLLEGE AND SEMINARY

3900 BETHEL DRIVE,
ST. PAUL, MINNESOTA 55112

Founded 1871.

School of the Baptist General Conference.

Four year liberal arts co-educational Christian College and graduate Theological Seminary.

President: Carl H. Lundquist, th.d., d.d.
Dean of Seminary: G. G. Johnson, th.d.
Dean of College: G. Brushaber, ph.d.
College Librarian: Robert C. Suderman.
Seminary Librarian: Norris A. Magnuson, ph.d.

The Seminary library contains 80,000 vols., and the College library 110,000 vols.

Number of Seminary teachers: 24 full-time, 5 part-time.

Number of College teachers: 81 full-time, 45 part-time.

Number of Seminary students: 428 men, 43 women.

Number of College students: 826 men, 1,041 women.

Publications: *College Catalog, Theological Seminary Catalog, Bethel, Coeval, Passages* (annually), *The Clarion* (weekly), *Focus, The Seminarian.*

CARLETON COLLEGE

NORTHFIELD,
MINNESOTA 55057

Founded 1866 by Board of Trustees appointed by the Minnesota Conference of Congregational Churches; Independent.

President: Robert H. Edwards, m.a., ll.b.
Vice-President and Treasurer: F. I. Wright, b.a.
Dean of the College: Harriet W. Sheridan, ph.d.
Dean of Students: David F. Appleyard, ph.d.

Registrar: G. A. Wales, M.S.

The library contains 480,000 vols.

Number of teachers: 165.
Number of students: 1,779.

Publication: *Carleton Miscellany*† (2 a year).

COLLEGE OF SAINT BENEDICT

SAINT JOSEPH, MINNESOTA 56374
Telephone: (612) 363-5308.
Founded 1913.

A Catholic Liberal Arts College for Women with extensive academic exchange with nearby St. John's University, a Liberal Arts College for Men.

President: Dr. Beverly Miller.
Director of Admissions: M. Ryan.
Librarian: Ronald Fredrick.

The library contains 67,500 vols.

Number of teachers: 95.
Number of students: 1,600.

Publications: *Cable, St. Benedict's Newsletter, Saints, Studio I.*

COLLEGE OF ST. CATHERINE

2004 RANDOLPH AVENUE,
ST. PAUL, MINNESOTA 55105
Telephone: (612) 690-6000.
Founded 1905.

President: Sister Alberta Huber.
Registrar: Pamela Marsh.
Librarian: Sister Elizabeth Delmore.

The library contains 200,000 vols.

Number of teachers: *c.* 130.
Number of students: *c.* 2,000.

COLLEGE OF SAINT TERESA

WINONA, MINNESOTA 55987
Telephone: (507) 452-9302.
Founded 1907.

President: Sister M. Joyce Rowland.
Registrar: Sister Katarina Schuth.
Dean of Students: Dr. Martha Smith.
Director of Residence: Sister M. Franchon Pirkl.
Director of Admissions: Dorothy Franklin Landes.
Librarian: Sister Tressa Piper.

The library contains 120,000 volumes.

Number of teachers: 120.
Number of students: 1,000.

COLLEGE OF ST. THOMAS

2115 SUMMIT AVENUE,
ST. PAUL, MINNESOTA 55105
Telephone: 647-5000.
Founded 1885.

President: Mgr. Terrence J. Murphy.
Director of Admissions: Charles E. Murphy.
Librarian: Dr. Scott Wright.

The library contains 189,460 vols.

Number of teachers: 229.
Number of students: 4,139.

CONCORDIA COLLEGE

MOORHEAD,
MINNESOTA 56560
Telephone: 299-4321.
Founded 1891.

Four-year liberal arts college, granting bachelor of arts and bachelor of music degrees.

President: Dr. Paul J. Dovre.
Vice-President for Academic Affairs: Dr. Gerald E. Hartdagen.
Registrar: D. E. Dale.
Dean of Admissions: James L. Hausmann.
Librarian: V. Anderson.

The library contains 230,000 vols.

Number of teachers: 196.
Number of students: 2,647.

CONCORDIA COLLEGE

ST. PAUL, MINNESOTA 55104
Telephone: (612) 641-8278.
Founded 1893.

President: Dr. Gerhardt W. Hyatt.
Dean of the Faculty: David Schmiel.
Dean of Administration: Gordon Beckler.
Director of Admissions: Mrs. Myrtle Shira.
Librarian: G. Offermann.

The library contains 81,000 vols.

Number of teachers: 55.
Number of students: 650.

GUSTAVUS ADOLPHUS COLLEGE

ST. PETER, MINNESOTA 56082
Telephone: (507) 931-4300.
Founded 1862.

President: Edward A. Lindell.
Registrar: David Wicklund.
Librarian: Karl L. Ozolins.

The library contains 155,000 vols.

Number of teachers: 134.
Number of students: 2,100.

HAMLINE UNIVERSITY

ST. PAUL, MINNESOTA 55104
Founded 1854.
(Related to the United Methodist Church.)
Chartered 1854.

President: Jerry E. Hudson.
Vice-President for Development: Thomas J. Ruddy.
Business Manager: W. G. Anderson.
Registrar: Stewart A. Shaw.
Director of Admissions: Daniel Murray.
Librarian: Jack B. King.

The library contains 150,000 vols.

Number of teachers: 140.
Number of students: 1,750.

Deans:

College of Liberal Arts: K. L. Janzen.
School of Law: Richard C. Allen.
Men: John C. Vinton.
Women: Elizabeth Rowe.

MACALESTER COLLEGE

ST. PAUL, MINNESOTA 55101
Telephone: (612) 647-6221.
Founded 1874.

President: John B. Davis, Jr.
Registrar and Director of Student Academic Records: Anne M. Powell.
Director of Admissions: Mary Lundblad.
Director of Library: Jean K. Archibald.

The library contains 269,909 vols.

Number of teachers: 129 full-time.
Number of students: 1,637.

MANKATO STATE UNIVERSITY

MANKATO, MINNESOTA 56001
Telephone: (507) 389-2463.
Founded 1867.

President: Edward R. McMahon (acting).
Academic Vice-President: Dr. M. Preska.
Vice-President for Resource Management: Edward McMahon.
Vice-President for Student Services: Dr. Carl Lofy.
Registrar: Victor Swenson.
Librarian: D. Carrison.

The library contains 470,000 vols.

Number of teachers: 590.
Number of students: 12,535.

Publication: *M.S.U. Today.*

MINNEAPOLIS COLLEGE OF ART AND DESIGN

133 EAST 25TH STREET,
MINNEAPOLIS, MINNESOTA 55404
Telephone: (612) 870-3346.
Founded 1886.

President: Dr. Jerome J. Hausman.
Librarian: Richard Kronstedt.

The library contains 50,000 vols.

Number of teachers: 53.
Number of students: 650.

MOORHEAD STATE UNIVERSITY

1100 9TH AVENUE SOUTH,
MOORHEAD, MINNESOTA 56560
Telephone: (218) 236-2011.
Founded 1887.

President: Dr. Roland Dille.
Vice-President for Academic Affairs: William M. Jones (acting).
Registrar: D. Engberg.
Librarian: B. I. Gill.

The library contains 223,487 vols.

Number of teachers: 300.
Number of students: 5,100.

ST. CLOUD STATE UNIVERSITY

ST. CLOUD, MINNESOTA 56301

Telephone: (612) 255-0121.

Founded 1869.

President: Charles J. Graham.
Vice-President for Academic Affairs: David C. Johnson.
Director of Learning Resources: John G. Berling.

The library contains 489,134 vols.

Number of teachers: 562.
Number of students: 12,000.

SAINT JOHN'S UNIVERSITY

COLLEGEVILLE,
MINNESOTA 56321

Telephone: (612) 363-2011
(St. Joseph, Minnesota).

Founded 1857. Private liberal arts college for men.

President: Rev. Michael Blecker, o.s.b.
Director of Admissions: Roger Young.
Librarian: Michael Kathman.

The library contains 267,000 vols.

Number of teachers: 130.
Number of students: 1,780.

SAINT MARY'S COLLEGE

WINONA, MINNESOTA 55987

Telephone: (507) 452-4430.

Founded 1912.

President: Peter Clifford, f.s.c.
Vice-President for Student Development: Philip Schumacher (acting).
Vice-President for Administration: Bro. Paul Grass, f.s.c.
Vice-President for Academic Affairs: Blanche L. Premo, ph.d.
Vice-President for College Relations: John Falchi.
Librarian: Bro. Paul Ostendorf, f.s.c.

The library contains 150,000 vols.

Number of teachers: 99.
Number of students: 1,185.

SAINT OLAF COLLEGE

NORTHFIELD,
MINNESOTA 55057

Founded 1874

President: Dr. Sidney A. Rand.
Vice-Presidents: W. Nelsen, D. Johnson, S. L. Ness, H. Helgen.
Librarian: F. Brown.

The library contains 236,160 volumes.

Number of teachers: 225.
Number of students: 3,058.

Publications: *Bulletin, St. Olaf.*

Deans:

Faculty: W. Nelsen.
Students: H. Helgen.
Men: B. Roberts.
Women: Carol Johnson.

UNIVERSITY OF MINNESOTA

MINNEAPOLIS,
MINNESOTA 55455

Telephone: (612) 373-2851.

Founded 1851.

State controlled; Academic year: September to June.

President: C. Peter Magrath, ph.d.
Vice-Presidents:
- *Administration and Planning:* Robert A. Stein, ll.b.
- *Finance:* Donald P. Brown, m.s.
- *Student Affairs:* Frank B. Wilderson, ph.d.
- *Health Sciences:* L. A. French, m.d., ph.d.
- *Institutional Relations:* S. B. Kegler, ph.d.
- *Academic Affairs:* Henry Koffler.

Director of Libraries: Eldred Smith.
Director of University Relations: R. D. Tall, b.s.
Director of Summer Session: Willard L. Thompson, ph.d.

Library: *see* **Libraries.**

Number of teachers: 4,439 full-time, 1,440 part-time.

Number of college level students: 55,076.

Twin Cities (Minneapolis and St. Paul) Campus

Minneapolis,
Minnesota 55455
Telephone: (612) 373-2851

Deans:

College of Agriculture: James F. Tammen, ph.d.
Institute of Agriculture, Forestry, and Home Economics: William F. Hueg, Jr., ph.d.
College of Biological Sciences: Richard S. Caldecott, ph.d.
College of Business Administration: David Lilly.
Continuing Education and Extension: Harold A. Miller, ph.d.
School of Dentistry: Richard C. Oliver, d.d.s., m.s.
College of Education: William Gardner, ph.d.
College of Forestry: Richard A. Skok, ph.d.
General College: David L. Giese, ph.d. (acting).
Graduate School: Warren E. Ibele, ph.d.
College of Home Economics: Keith N. McFarland, ph.d.
Law School: Carl A. Auerbach, ll.b.
College of Liberal Arts: Fred Lukermann, m.a.
Medical School: N. L. Gault, m.d.
School of Nursing: Irene Ramey, ph.d.
College of Pharmacy: Lawrence C. Weaver, ph.d.
School of Public Health: Lee D. Stauffer, m.p.h.
Institute of Technology: Roger Staehle.
University College: (vacant).
College of Veterinary Medicine: Sidney A. Ewing, d.v.m.

Professors:

Aerospace Engineering and Mechanics:
- Beavers, G. S., ph.d.
- Berman, A. S., ph.d.
- Fosdick, R. L., ph.d.
- Heinrich, H. G., dr.ing.
- Hodge, P. G., ph.d.
- Hsiao, C. C., ph.d.
- Joseph, D. D., ph.d.
- Lundgren, T. S., ph.d.
- Plunkett, R., sc.d.
- Sethna, P. R., ph.d.
- Warner, W. H., ph.d.
- Wilson, T. A., ph.d.

Afro-American Studies:
- King, G. D., ph.d.
- Southall, G. H., ph.d.
- Ward, J. P., ll.b.

Agricultural and Applied Economics:
- Blackmore, J., ph.d.
- Blank, O. U., ph.d.
- Buxton, B. M., ph.d.
- Christiansen, M. K., ph.d.
- Cochrane, W. W., ph.d., ll.d.
- Dahl, D. C., ph.d.
- Dahl, R. P., ph.d.
- Easter, K. W., ph.d.
- Egertson, K. E., m.s.
- Eidman, V. R., ph.d.
- Fuller, E. I., ph.d.
- Gregersen, H. M., ph.d.
- Hammond, J. W., ph.d.
- Hasbargen, P. R., ph.d.
- Hawkins, R. O., m.s.
- Helmberger, J. D., ph.d.
- Hildreth, C. G., ph.d.
- Houck, J. P., ph.d.
- Hoyt, J. S., Jr., ph.d.
- Jensen, H. R., ph.d.
- Maki, W. R., ph.d.
- Martin, L. R., ph.d.
- Peterson, W. L., ph.d.
- Purvis, M. J., ph.d.
- Raup, P. M., ph.d.
- Roe, T. L., ph.d.
- Rose, G. D., ph.d.
- Ruttan, V. W., ph.d.
- Smith, F. J., ph.d.
- Sundquist, W. B., ph.d.
- Thomas, K. H., ph.d.
- Waelti, J. J., ph.d.
- Waldo, A. D., ph.d.
- Welsch, D. E., ph.d.

Agricultural Engineering:
- Allred, E. R., m.s.
- Bates, D. W., m.s.
- Bear, W. F., ph.d.
- Cloud, H. A., ph.d.
- Flikke, A. M., ph.d.
- Jordan, K. A., ph.d.
- Larson, C. L., ph.d.
- Larson, R. E., m.s.
- Machmeier, R. E., ph.d.
- Pomroy, J. H., m.s.
- Schertz, C. E., ph.d.
- Strait, J., m.s.
- True, J. A., m.s.

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- Barnes, D. K., ph.d.
- Behrens, R., ph.d.
- Brun, W. A., ph.d.
- Busch, R. H., ph.d.
- Cardwell, V. B., ph.d.
- Comstock, V. C., ph.d.
- Elling, L. J., ph.d.
- Heichel, G. H., ph.d.
- Hicks, D. R., ph.d.

Lambert, J. W., ph.d.
Hovin, A. W., ph.d.
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Phillips, R. L., ph.d.
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Strand, O. E., ph.d.
Stucker, R. E., ph.d.

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Smithberg, M., ph.d.
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Boylan, W. J., ph.d.
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Christens, C. J., ph.d.
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Rempel, W. E., ph.d.
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Kiste, R., ph.d.
Miller, F. C., ph.d.
Murrill, R. I., ph.d.
Rowe, W. L., ph.d.
Spencer, R. F., ph.d.

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Graffunder, C., m.arch.
Hodne, T. H., m.arch.
Martin, R. B., m.l.a.
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Ney, E. P., ph.d.
Stein, W. A., ph.d.

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Carr, C. W., ph.d.
Dempsey, M. E., ph.d.
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Gutmann, H. R., m.d., ph.d.
Hogenkamp, H. P. C., ph.d.
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Rosenberg, A., fil.dr.
Singer, L., ph.d.
Ungar, F., ph.d.
van Pilsum, J. F., ph.d.

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Chapman, P. J., ph.d., Biochemistry
Comstock, R. E., ph.d., Genetics and Cell Biology
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Kirkwood, S., ph.d., Biochemistry
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Liener, I. E., ph.d., Biochemistry
Lovrien, R. E., ph.d., Biochemistry
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Muenck, E., ph.d., Gray Freshwater Biological Institute
Ownbey, G. B., ph.d., Botany
Parmelee, D. F., ph.d., Bell Museum of Natural History
Pratt, D. C., ph.d., Botany
Rosenberg, M. D., ph.d., m.d., Genetics and Cell Biology
Rubenstein, I., ph.d., Genetics and Cell Biology
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Sheridan, J. D., ph.d., Genetics and Cell Biology
Siniff, D. P., ph.d., Ecology and Behavioural Biology
Snustad, D. P., ph.d., Genetics and Cell Biology
Snyder, L. A., ph.d., Genetics and Cell Biology
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Tordoff, H. B., ph.d., Bell Museum of Natural History
Underhill, J. C., ph.d., Ecology and Behavioural Biology
Warner, D. W., ph.d., Bell Museum of Natural History
Warner, H. R., ph.d., Biochemistry
Wold, F., ph.d., Biochemistry
Wood, J. M., ph.d., Gray Freshwater Biological Institute
Woodward, V. W., ph.d., Genetics and Cell Biology

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Chervany, N. L., d.b.a.
Cooke, B. M., ph.d.
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England, G. W., ph.d.
Erickson, W. B., ph.d.
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Gaumnitz, R. K., ph.d.
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Holloway, R. J., ph.d.
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Ross, I., ph.d.
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Schroeder, R. G., ph.d.
Seltzer, G., ph.d.
Solem, A. R., ph.d.
Upson, R. B., ph.d.
Walker, O. C., ph.d.
Whitman, A. F., ph.d.
Wickesberg, A. K., ph.d.
Williams, C. A., ph.d.
Zaidi, M. A., ph.d.
Zimmer, R. K., ph.d.

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Aris, R., d.sc.
Carr, R. W., ph.d.
Dahler, J. S., ph.d.
Davis, H. T., ph.d.
Fredrickson, A. G., ph.d.
Gerberich, W. W., ph.d.
Isbin, H. S., sc.d.
Keller, K. H., ph.d.
Nicholson, M. E., sc.d.
Ranz, W. E., ph.d.
Schmidt, L. D., ph.d.
Scriven, L. E., ph.d.
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Tsuchiya, H. M., ph.d.

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Brasted, R. C., ph.d.
Britton, J. D., ph.d.
Crawford, B. L., Jr., ph.d.
Dahler, J. S., ph.d.
Davis, H. T., ph.d.
Dodson, R. M., ph.d.
Fenton, S. W., ph.d.
Gassman, P. G., ph.d.
Hexter, R. M., ph.d.
Kreevoy, M. M., ph.d.
Leete, E., ph.d.
Lipsky, S., ph.d.
Lumry, R. W., ph.d.
Mead, C. A., ph.d.
Meehan, E. J., ph.d.
Miller, L., ph.d.
Miller, W. G., ph.d.
Moscowitz, A. J., ph.d.
Noland, W. E., ph.d.
Overend, J., ph.d.

Prager, S., ph.d.
Reynolds, W. L., ph.d.
Swofford, H. S., ph.d.
Truhlar, D. G., ph.d.
Wertz, J. E., ph.d.
Wilson, A. S., ph.d.

Child Development:
Charlesworth, W. R., ph.d.
Hartup, W. W., ed.d.
Masters, J. C., ph.d.
Moore, S. G., ph.d.
Pick, A. D., ph.d.
Pick, H. L., Jr., ph.d.
Roff, M. F., ph.d.
Salapatek, P. H., ph.d.
Sroufe, L. A., ph.d.
Tapp, J. L., ph.d.
Templin, M. C., ph.d.
Trabasso, T. R., ph.d.

Civil and Mineral Engineering:
Arndt, R. E. A., ph.d.
Bitsianes, G., ph.d.
Bowers, C. E., m.s.
Fairhurst, C., ph.d.
Fant, J. E., m.s.
Goodman, L. E., ph.d.
Iwasaki, I., d.eng.
Maier, W. J., ph.d.
Reid, K. J., ph.d.
Ripken, J. F., m.s.
Silberman, E., m.s.
Stefan, H., dr.ing.
Yardley, D. H., ph.d.

Classics:
Hershbell, J. P., ph.d.
Keuls, E. C., ph.d.
Kraabel, A. T., ph.d.
McDonald, W. A., ph.d.
Sonkowsky, R. P., ph.d.

Communication:
Bryan, D. V., ph.d.
Jensen, J. V., ph.d.

Computer Science:
Ibarra, O. H., ph.d.
Munro, W. D., ph.d.
Rosen, J. B., ph.d.
Stein, M. L., ph.d.

Criminal Justice:
Knudson, Barbara, ph.d.
Malmquist, C., m.d., m.s.
Murton, T. O., d.crim.
Tapp, June L., ph.d.
Ward, D. A., ph.d.

Curriculum and Instruction:
Boeck, C. H., ph.d.
Caswell, A. F., ed.d.
Dykstra, R., ph.d.
Ellis, A. K., ed.d.
Gardner, W. E., ph.d.
Hansen, H. S., ph.d.
Hopkins, C. R., ph.d.
Jackson, R. L., ph.d.
Johnson, D. C., ph.d.
Keller, R. J., ph.d.
Lambert, R., ph.d.
Lange, D. L., ph.d.
Lewis, D. R., ph.d.
Manning, J. C., ed.d.
Odland, N., ph.d.
Pearson, N. P., ph.d.
Pearson, P. D., ph.d.
Piche, G. L., ph.d.
Schreiner, R. L., ph.d.
Schuessler, R. A., m.m.
Stochl, J. E., ph.d.
Turrentine, E. M., ph.d.
Ultan, L., ph.d.
West, E., ph.d.
Williams, H. Y., ph.d.

Dentistry:
Anderson, D. L., ph.d.
Bandt, C. L., m.s.
Cervenka, J., m.d.
Colman, H. L., m.s.d.
Goodkind, R. J., m.s.
Gorlin, R. J., m.s.
Hampel, A. T., m.s.
Holland, M. R., m.s.d.
Holte, N. O., m.s.
Jensen, J. R., m.s.
Jeronimus, R. D., m.s.d.
Meskin, L. H., ph.d.
Morstad, A. T., m.s.
Noble, F. W., d.d.s.
Oliver, R. C., m.s.
Schachtele, C. F., ph.d.
Schaffer, E. M., m.s.d.
Sedano, H. O., d.d.s.
Serr, H. H., d.d.s.
Shapiro, B. L., ph.d.
Singer, L., ph.d.
Smith, Q. T., ph.d.
Speidel, T. M., m.s.d.
Till, M. J., ph.d.
Vickers, R. A., m.s.d.
Waite, D. E., m.s.
Witkop, C. J., Jr., m.s.
Worms, F. W., m.s.d.
Yock, D. H., m.s.

Dermatology:
Goltz, R. W., m.d.
Manick, K. P., m.d.

East Asian Languages:
Copeland, E., m.a.
Liu, C. J., ph.d.
Loveless, O., ph.d.
Mather, R., ph.d.
Shohara, H., ph.d.
Wang, S., ph.d.

Economics:
Brownlee, O. H., ph.d.
Chipman, J. S., ph.d.
Coen, E., ph.d.
Heller, W. W., ph.d.
Henderson, J. M., ph.d.
Hildreth, C., ph.d.
Hurwicz, L., ll.m.
Kareken, J. H., ph.d.
Krueger, A. O., ph.d.
Mohring, H. D., ph.d.
Richter, M. K., ph.d.
Sargent, T. J., ph.d.
Simler, N. J., ph.d.
Sims, C., ph.d.
Smith, H. M., ph.d.
Turnbull, J. G., ph.d.
Wallace, N., ph.d.

Educational Administration:
Ammentorp, W. M., ph.d.
Hendrix, V. L., ph.d.
Hooker, C. P., ed.d.
Keller, R. J., ph.d.
Lambert, R. T., ph.d.
Mueller, V. D., ed.d.
Nickerson, N. C., ed.d.
Popper, S. H., ph.d.
Sederberg, C. H., ph.d.
Weatherman, R. F., ph.d.

Electrical Engineering:
Albertson, V. D., ph.d.
Anderson, L. T., m.s.
Brown, W. F., ph.d.
Carruthers, J. A., ph.d.
Cartwright, P. A., m.s.
Champlin, K. S., ph.d.
Chanin, L. M., ph.d.
Collins, R. J., ph.d.
Kain, R. Y., ph.d.
Kumar, K. S. P., ph.d.
Lambert, R. F., ph.d.
Mueller, R. K., ph.d.
Nussbaum, A., ph.d.
Oskam, H. J., ph.d.
Peria, W. T., ph.d.
Riaz, M., ph.d.
Schmitt, O. H., ph.d.
Shenoi, B. A., ph.d.
Shepherd, W. G., ph.d.
van der Ziel, A., ph.d.
Warner, R. M., Jr., ph.d.
Wehner, G. K., ph.d.

English:
Alkon, P. K., ph.d.
Anderson, C. G., ph.d.
Clayton, T., ph.d.
Firchow, P. E., ph.d.
Fruman, N., ph.d.
Hurrell, J. D., ph.d.
Kwiat, J. J., ph.d.
MacLeish, A., ph.d.
Madden, W. A., ph.d.
Moore, R. E., ph.d.
O'Brien, G. W., ph.d.
Rosendahl, W. A., ph.d.
Roth, M., ph.d.
Steinmann, M., Jr., ph.d.
Stekert, Ellen J., ph.d.
Unger, L., ph.d.
Wright, G. T., ph.d.

Entomology, Fisheries and Wildlife:
Brooks-Wallace, M.A., ph.d.
Chiang, H. C., ph.d.
Cook, E. F., ph.d.
Cutkomp, L. K., ph.d.
Frenzel, L. D., ph.d.
Furgala, B., ph.d.
Harein, P. K., ph.d.
Kulman, H. M., ph.d.
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Peterson, A. G., ph.d.
Price, R. D., ph.d.
Radcliffe, E. B., ph.d.
Waters, T. F., ph.d.
Weller, M. W., ph.d.

Family Practice and Community Health:
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Ciriacy, E. W., m.d.
Kelly, J. T., m.d.
O'Leary, J. B., m.d.
Verby, J. E., m.d.
Weckwerth, V. E., ph.d.

Food Science and Nutrition:
Addis, P. B., ph.d.
Allen, C. E., ph.d.
Busta, F. F., ph.d.
Caldwell, E. F., ph.d.
Doyle, M. D., ph.d.
Epley, R. J., ph.d.
Gordon, J., ph.d.
Hegarty, P. V. J.
Labuza, T. P., ph.d.
McKay, L. L., ph.d.
Morris, H. A., ph.d.
Morse, L. M., ph.d.
Packard, V. S., Jr., ph.d.
Pflug, I. J., ph.d.
Swan, P. B., ph.d.
Tatini, S. R., ph.d.
Thomas, E. L., ph.d.
Zottola, E. A., ph.d.

Forestry:
Bakuzis, E. V., ph.d., Ecology
Brown, B. A., ph.d., Silviculture (Soils)
Erickson, R. W., ph.d., Drying (Mechanical Properties)
Gertjejansen, R. O., ph.d., Fibre Products
Gregersen, H. M., ph.d., Economics
Hallgren, A. A., ph.d., Harvesting (Management)

Hansen, H. L., PH.D., Silviculture (Ecology)
Haygreen, J. G., PH.D., Mechanical-Physical Properties
Hendricks, L. T., PH.D., Forest Products
Hossfeld, R. L., PH.D., Wood Chemistry
Irving, F. D., PH.D., Administration (Fire)
Merriam, L. C., PH.D., Recreation
Meyer, M.P., PH.D., Remote Sensing
Mohn, C. A., PH.D., Genetics
Skok, R. A., PH.D., Economics and Policy
Smith, M. E., M.S., Management
Sucoff, E. I., PH.D., Physiology
Winsness, K. E., M.S., Education Administration

French and Italian:

Lock, P. W., PH.D.
Pipa, A., PH.D.
Renaud, A. A., PH.D.
Waldauer, J. L., PH.D.

General College:

Amram, F. A., M.A.
Benson, F. T., PH.D.
Borow, H., PH.D.
Dearden, D. M., PH.D.
Gates, J., M.A.
Giese, D. L., PH.D.
Harris, F. J., M.A.
Hathaway, W., PH.D.
King, L. A., PH.D.
Kingsley, G. G., ED.D.
Kurak, A., PH.D.
Larson, R. A., PH.D.
MacInnes, M. J., PH.D.
McCutcheon, G., PH.D.
Moen, N. W., PH.D.
Rathburn, R. C., PH.D.
Safer, L. T., M.A.
Schwabacher, W. B., PH.D.
Steinhauser, F. R., PH.D.
Stockdale, W. A., M.A.
Wyvell, M. L., PH.D.

Geography:

Adams, J. S., PH.D.
Barrett, W. J., PH.D.
Borchert, J. R., PH.D.
Hart, J. F., PH.D.
Hsu, M. L., PH.D.
Lukermann, F. E., M.A.
Mather, E. C., PH.D.
Porter, P. W., PH.D.
Schwartzberg, J. E., PH.D.
Tuan, Y F., PH.D.
Webb, J. W., PH.D.

Geology and Geophysics:

Banerjee, S. K., PH.D.
Mooney, H. M., PH.D.
Murthy, V. R., PH.D.
Shapiro, J., PH.D.
Sloan, R. E., PH.D.
Swain, F. M., PH.D.
Walton, M. S., PH.D.
Wright, H. E., PH.D.
Zoltai, T., PH.D.

German:

Firchow, E. S., PH.D.
Hirschbach, F. D., PH.D.
Liberman, A., PH.D.
Taraba, W. F., PH.D.
Weiss, G. H., PH.D.

History:

Altholz, J. L., PH.D.
Bachrach, B. S., PH.D.
Bamford, P. W., PH.D.
Berman, H., PH.D.
Brauer, K. J., PH.D.
Chambers, C. A., PH.D.
Howe, J. R., PH.D.
Isaacman, A. F., PH.D.
Kopf, D., PH.D.
Lehmberg, S. E., PH.D.
Marshall, B. K., PH.D.
Modell, J., PH.D.
Murphy, P. L., PH.D.
Noble, D. W., PH.D.
Samaha, J., PH.D.
Schwartz, S. B., PH.D.
Stavrou, T. G., PH.D.
Taylor, R., PH.D.
Thayer, J. A., PH.D.
Tracy, J. D., PH.D.
Vecoli, R. J., PH.D.
Wright, W. E., PH.D.

History of Medicine:

Wilson, L. G., PH.D.

Home Economics:

Bagley, M. O., M.A.T., Design
Betsinger, S. T., PH.D., Administration
Eicher, J. B., PH.D., Textiles and Clothing
Esteros, G. A., ED.D., Design
Gage, G. M., PH.D., Family Social Science
Grindereng, M. P., PH.D., Textiles and Clothing
Hey, R. N., PH.D., Family Social Science
Johnson, R. F., PH.D., Textiles and Clothing
Jordahl, E. K., M.S., Family Social Science
Larkin, E. D., M.A., Design
McCubbin, H. I., PH.D., Family Social Science
McFarland, K. N., PH.D., Administration
Neubeck, G., ED.D., Family Social Science
Olson, D. H., PH.D., Family Social Science
Rosenblatt, P. C., PH.D., Family Social Science

Hormel Institute:

Baumann, W. J., PH.D.
Chipault, J. R., PH.D.
Holman, R. T., PH.D.
Jenkins, H. M., PH.D.
Privett, O. S., PH.D.
Schlenk, H., PH.D.
Schmid, H. H. O., PH.D.

Horticultural Science and Landscape Architecture:

Ascher, P. D., PH.D.
Davis, D. W., PH.D.
deVos, F., PH.D.
Hard, G. C., PH.D.
Lauer, F. I., PH.D.
Li, P. H., PH.D.
Mullin, R., PH.D.
Nylund, R. E., PH.D.
Ozbun, J. L., PH.D.
Read, P. E., PH.D.
Stadelmann, E. J., PH.D.
Stushnoff, C., PH.D.
White, D. B., PH.D.
Widmer, R. E., PH.D.
Wilkins, H. F., PH.D.

Humanities:

Ames, R. J., PH.D.
Bryan, D. V., PH.D.
Hershbell, J. P., PH.D.
Kwiat, J. J., PH.D.
Roshwald, M., PH.D.
Tapp, R. B., PH.D.

Journalism and Mass Communication:

Carter, R. E., Jr., PH.D.
Emery, W. E., PH.D.
Fang, I. E., PH.D.
Gillmor, D. M., PH.D.
Hage, G. S., PH.D.
Jones, R. L., PH.D.
Kline, F. G., PH.D.
Lindsay, R. G., PH.D.
Sim, J. C., M.A.
Thompson, W. L., PH.D.
Tichenor, P. J., PH.D.
Wackman, D. B., PH.D.
Wilson, H. W., M.A.

Laboratory Medicine and Pathology:

Ackerman, E., PH.D.
Ahmed, K., PH.D.
Anderson, W. R., M.D.
Azar, M. M., M.D., PH.D.
Benson, E. S., M.D.
Blazevic, D. J., M.P.H.
Brown, D. M., M.D.
Brunning, R. D., M.D.
Coe, J. I., M.D.
Dalmasso, A. P., M.D., PH.D.
Dehner, L., M.D.
Ederer, G. M., M.P.H.
Edson, J. R., M.D.
Edwards, J., M.D.
Estensen, R. D., M.D.
Freier, E. F., M.S.
Greenberg, L. J., PH.D.
Halberg, F., M.D.
Hovde, R. F., M.S.
Kersey, J. H., M.D.
Lober, P. H., M.D., PH.D.
McCullough, J. J., M.D.
Osterberg, K. A., M.D.
Polesky, H. F., M.D.
Ratliff, N. B., M.D.
Rausch, V. L., M.S.
Rosai, J., M.D.
Rosenberg, A., PH.D.
Sundberg, R. D., M.D., PH.D.
Wattenberg, L. W., M.D.
Yunig, J. J., M.D., PH.D.

Library School:

Berninghausen, D. K., M.A.
Simonton, W., PH.D.

Linguistics:

Robinett, B. W., PH.D.
Sanders, G. A., PH.D.

Mathematics:

Aeppli, A., PH.D.
Aronson, D., PH.D.
Berger, T., PH.D.
Eagon, J., PH.D.
Ellis, R., PH.D.
Fabes, E., PH.D.
Gaal, S., PH.D.
Gill de Lamadrid, J., PH.D.
Goldman, J., PH.D.
Green, L., PH.D.
Harris, M., PH.D.
Hejhal, D., PH.D.
Jain, N., PH.D.
Kallianpur, G., PH.D.
Keynes, H., PH.D.
Kinderlehrer, D., PH.D.
Littman, W., PH.D.
Loud, W., PH.D.
Marden, A., PH.D.
Markus, L., PH.D.
McCarthy, C., PH.D.
Meyers, N., PH.D.
Miller, W., PH.D.
Nitsche, J., PH.D.
Orey, S., PH.D.
Pedoe, D., PH.D.
Pohl, W., PH.D.
Pour-el, Marian, PH.D.
Pruitt, W., PH.D.
Reich, E., PH.D.
Rejto, P., PH.D.

Sattinger, D., Ph.D.
Sell, G., Ph.D.
Serrin, J., Ph.D.
Sibuya, Y., Ph.D.
Storvick, D., Ph.D.
Weinberger, H., Ph.D.

Mayo Medical School:

Aaro, L. A., M.D., Obstetrics and Gynaecology
Adson, M. A., M.D., Surgery
Ahmann, D. L., M.D., Oncology
Andersen, H. A., M.D., Medicine
Anderson, M. W., M.D., Medicine
Aronson, A. E., Ph.D., Speech Pathology
Atassi, M. Z., Ph.D., D.Sc., Biochemistry
Bahn, R. C., M.D., Ph.D., Pathology
Baker, H. L., Jr., M.D., Radiology
Bartholomew, L. G., M.D., Medicine
Bayrd, E. D., M.D., Medicine
Beahrs, O. H., M.D., Surgery
Berge, K. G., M.D., Medicine
Bernatz, P. E., M.D., Surgery
Bianco, A. J., Jr., M.D., Orthopaedics
Blinks, J. R., M.D., Pharmacology
Bowie, E. J. W., B.M., B.Ch., Medicine and Laboratory Medicine
Brandenburg, R. O., M.D., Medicine
Bryan, R. S., M.D., Orthopaedics
Burgert, E. O., Jr., M.D., Paediatrics
Burke, E. C., M.D., Ph.D., Paediatrics
Butt, H. R., M.D., Medicine
Carlson, H. C., M.D., Ph.D., Radiology
Carr, D. T., M.D., Medicine
Carryer, H. M., M.D., Ph.D., Medicine
Carter, E. T., M.D., Ph.D., Preventive Medicine
Childs, D. S., Jr., M.D., Oncology
Cody, D. T. R., M.D., Ph.D., Otolaryngology
Connolly, D. C., M.D., Ph.D., Medicine
Coventry, M. B., M.D., Orthopaedics
Dahlin, D. C., M.D., Pathology
Danielson, G. K., Jr., M.D., Surgery
Darley, F. L., Ph.D., Speech Pathology
Daugherty, G. W., M.D., Medicine
David, C. S., Ph.D., Immunology
Decker, D. G., M.D., Obstetrics and Gynaecology
Devine, K. D., M.D., Plastic Surgery and Otolaryngology
DeWeerd, J. H., M.D., Urology
Didisheim, P., M.D., Laboratory Medicine
Dines, D. E., M.D., Medicine
Divertie, M. B., M.D., Medicine
Donald, D. E., Ph.D., Physiology
Dousa, T. P., M.D., Ph.D., Medicine and Physiology
Dyck, P. J., M.D., Neurology
Dyer, J. A., M.D., Ophthalmology
Elveback, Lillian R., Ph.D., Biostatistics
Engel, A. G., M.D., Neurology
Fairbanks, V. F., M.D., Medicine and Laboratory Medicine
Feldt, R. H., M.D., Paediatrics
Fontana, R. S., M.D., Medicine
Foulk, W. T., Jr., M.D., Medicine
Gastineau, C. F., M.D., Ph.D., Medicine
Geraci, J. E., M.D., Medicine
Gibilisco, J. A., D.D.S., Dentistry
Gilchrist, G. S., M.B., B.Ch., Paediatrics
Gleich, G. J., M.D., Medicine and Immunology
Go, V. L. W., M.D., Medicine
Goldstein, N. P., M.D., Neurology
Gomez, M. R., M.D., Paediatric Neurology
Gordon, H., M.D., Medical Genetics
Gross, J. B., M.D., Medicine
Hagedorn, A. B., M.D., Medicine
Hayles, A. B., M.D., Paediatrics and Medicine
Henderson, E. D., M.D., Orthopaedics
Henderson, L. L., M.D., Medicine
Hepper, N. G. G., M.D., Medicine
Hermans, P. E., M.D., Medicine
Hodgson, J. R., M.D., Radiology
Hoffman, H. N., II, M.D., Medicine
Hollenhorst, R. W., M.D., Ophthalmology
Holman, C. B., M.D., Radiology
Howard, F. M., Jr., M.D., Neurology
Hunder, G. G., M.D., Medicine
Hyatt, R. E., M.D., Medicine and Physiology
Ivins, J. C., M.D., Orthopaedics
Johnson, E. W., Jr., M.D., Orthopaedics
Johnson, W. J., M.D., Medicine
Jones, J. D., Ph.D., Laboratory Medicine
Juergens, J. L., M.D., Medicine
Kearns, T. P., M.D., Ophthalmology
Kelalis, P. P., M.D., Urology
Kelly, P. J., M.D., Orthopaedics
Kempers, R. D., M.D., Obstetrics and Gynaecology
Kerr, F. W. L., M.D., Neuroanatomy and Neurosurgery
Kiely, J. M., M.D., Medicine
Kincaid, O. W., M.D., D.Sc., Radiology
Klass, D. W., M.D., Neurology
Knox, F. G., M.D., Ph.D., Physiology and Medicine
Knotte, B. A., M.D., Ph.D., Medicine
Kurland, L. T., M.D., Epidemiology and Biostatistics
Kyle, R. A., M.D., Medicine
Lake, C. F., M.D., Otolaryngology
Lambert, E. H., M.D., Ph.D., Physiology and Neurology
Laney, W. R., D.M.D., Dentistry
Lie, J. T., M.D., Pathology
Linscheid, R. L., M.D., Orthopaedics
Lucas, A. R., M.D., Psychiatry
MacCarty, C. S., M.D., Neurosurgery
McConahey, W. M., M.D., Medicine
McDuffie, F. C., M.D., Medicine, Immunology and Microbiology
McGill, D. B., M.D., Medicine
McGoon, D. C., M.D., Surgery
McIlrath, D. C., M.D., Surgery
Malkasian, G. D., Jr., M.D., Obstetrics and Gynaecology
Mann, K. G., Ph.D., Biochemistry
Martin, G. M., M.D., Physical Medicine and Rehabilitation
Martin, M. J., M.D., Psychiatry
Mattox, V. R., Ph.D., Biochemistry
Mayberry, W. E., M.D., Laboratory Medicine
Michenfelder, J. D., M.D., Anaesthesiology
Miller, R. D., M.D., Medicine
Miller, R. H., M.D., Neurosurgery
Moertel, C. G., M.D., Oncology
Moses, H. L., M.D., Pathology
Mulder, D. W., M.D., Neurology
Muller, S. A., M.D., Dermatology
Needham, G. M., Ph.D., Microbiology
Nichols, D. R., M.D., Medicine
Owen, C. A., Jr., M.D., Ph.D., D.Sc., Pathology and Medicine
Payne, W. S., M.D., Surgery
Pearson, G. R., Ph.D., Microbiology
Perry, H. O., M.D., Dermatology
Peterson, L. F. A., M.D., Orthopaedics
Phillips, S. F., M.D., Medicine
Pierre, R. V., M.D., Laboratory Medicine and Medicine
Polley, H. F., M.D., D.Sc., Medicine
Pruitt, R. D., M.D., Medicine
Randall, R. V., M.D., Medicine
Reed, C. E., M.D., Medicine
Rehder, K., M.D., Anaesthesiology and Physiology
Reitemeier, R. J., M.D., Medicine
ReMine, W. H., Jr., M.D., D.Sc., Surgery
Riggs, B. L., Jr., M.D., Medicine
Ritter, D. G., M.D., Paediatrics
Ritts, R. E., Jr., M.D., Microbiology
Robertson, J. S., M.D., Ph.D., Laboratory Medicine
Ryan, R. J., M.D., Medicine
Salassa, R. M., M.D., Medicine
Sauer, W. G., M.D., Medicine
Scanlon, P. W., M.D., Radiology
Scholz, D. A., M.D., Medicine
Sessler, A. D., M.D., Anaesthesiology
Shepherd, J. T., M.D., D.Sc., Physiology
Sheps, S. G., M.D., Medicine
Shorter, R. G., M.D., Pathology and Medicine
Siekert, R. G., M.D., Neurology
Silverstein, M. N., M.D., Ph.D., Medicine
Smith, L. H., M.D., Medicine
Smith, R. E., M.D., Medicine
Soule, E. H., M.D., Pathology
Spelsberg, T. C., Ph.D., Biochemistry
Spittell, J. A., Jr., M.D., Medicine
Steinmuller, D., Ph.D., Immunology
Stickler, G. B., M.D., Ph.D., Paediatrics
Stillwell, G. K., M.D., Ph.D., Physical Medicine and Rehabilitation
Strong, C. G., M.D., Medicine
Sundt, T. M., Jr., M.D., Neurosurgery
Swanson, D. W., M.D., Psychiatry
Swenson, W. M., Ph.D., Psychology
Symmonds, R. E., M.D., Obstetrics and Gynaecology
Szurszewski, J. H., Ph.D., Physiology
Taswell, H. F., M.D., Laboratory Medicine
Taylor, W. F., Ph.D., Biostatistics
Thomas, J. E., M.D., Neurology
Tomasi, T. B., M.D., Ph.D., Immunology and Medicine
Tyce, F. A. J., M.D., Psychiatry
Utz, D. C., M.D., Urology
Veneziale, C. M., M.D., Ph.D., Biochemistry and Medicine
Wahner, H. W., M.D., Laboratory Medicine
Wallace, R. B., M.D., Surgery
Ward, L. E., M.D., Medicine
Washington, J. A., II, M.D., Medicine and Laboratory Medicine
Weeks, R. E., M.D., Medicine
Weidman, W. H., M.D., Paediatrics
Welch, J. S., M.D., Surgery
Whisnant, J. P., M.D., Neurology
Williams, Tiffany J., M.D., Obstetrics and Gynaecology
Winkelmann, R. K., M.D., Ph.D., Anatomy and Dermatology
Wood, E. H., M.D., Ph.D., D.Sc., Physiology and Medicine
Woolner, L. B., M.D., Pathology
Yanagihara, T., M.D., Neurology
Yoss, R. E., M.D., Ph.D., Neurology
Young, D. S., Ph.D., Laboratory Medicine

Mechanical Engineering:

Anderson, J. E., Ph.D.
Arora, S. R., Ph.D.
Blackshear, P. L., Ph.D.
Eckert, E. R. G., Ph.D.
Fletcher, E. A., Ph.D.
Frohrib, D. A., Ph.D.
Goldstein, R. J., Ph.D.
Ibele, W. E., Ph.D.
Jordan, R. C., Ph.D.
Layton, E. T.,
Liu, B. Y. H., Ph.D.
Murphy, T. E., M.S.
Ogata, K., Ph.D.
Pfender, E., Ph.D.
Sparrow, E. M., Ph.D.
Whitby, K. T., Ph.D.
White, J. S., Ph.D.

Medicine:

Allen, D. W., M.D.
Blackburn, H. W., M.D.

CHESTER, E., M.D.
COHN, J. N., M.D.
DOE, R. P., M.D.
DOUGLAS, S. D., M.D.
DRAGE, C. W., M.D.
FERRIS, T. F., M.D.
FIFER, W. R., M.D.
FRAMTZ, I. D., Jr., M.D.
GAULT, N. L., Jr., M.D.
GOETZ, F. C., M.D.
HALL, W. H., M.D.
HOWARD, R. B., M.D.
JACOB, H. S., M.D.
JACOBSON, M. E., M.D.
KAPLAN, M. E., M.D.
KENNEDY, B. J., M.D.
KJELLSTRAND, C. M., M.D.
LEVITT, M. D., M.D.
MACDONALD, F. M., M.D.
MULHAUSEN, R. O., M.D.
MURRAY, M. J., M.D.
NUTTALL, F. O., M.D.
OPPENHEIMER, J. H., M.D.
SABATH, L. D., M.D.
SAROSI, G. A., M.D.
SCHULTZ, A. L., M.D.
SCHWARTZ, S., M.D.
SHAPIRO, F. L., M.D.
SIMON, W., M.D.
TADDEINI, L., M.D.
TAYLOR, H. L., M.D.
THEOLOGIDES, A., M.D.
TOBIAN, L., Jr., M.D.
VENNES, J. A., M.D.
WANG, Y., M.D.
WILDER, R. M., M.D.
WILSON, I. D., M.D.
WINCHELL, C. P., M.D.
ZANJANI, E. D., M.D.
ZIEVE, L., M.D.
ZINNEMAN, H. H., M.D.

Microbiology:

BRAND, K. G., M.D.
DWORKIN, M., PH.D.
JOHNSON, R. C., PH.D.
PLAGEMANN, P. G. W., PH.D.
ROGERS, P., PH.D.
SCHMIDT, E. L., PH.D.
WATSON, D. W., PH.D.

Mortuary Science:

SLATER, R. C., B.S.

Music:

ARGENTO, D., PH.D.
BENCRISCUTTO, F., D.M.A.
CASWELL, A., ED.D.
FETLER, P., PH.D.
FLEISCHER, H., PH.D.
FREED, P., M.M.
LAUDON, R., PH.D.
MASSMANN, R., PH.D.
RIEDEL, J., PH.D.
SCHUESSLER, R., M.M.
STOKES, E., PH.D.
TURRENTINE, E., PH.D.
ULTAN, L., PH.D.
WEISER, B., M.A.

Naval Science:

TOPLEY, F. D., M.B.A.

Near and Middle Eastern Studies:

CHEJNE, A., PH.D.
FARAH, C., PH.D.

Neurology:

BERRY, J. F., PH.D.
BRADLEY, W. E., M.D.
ETTINGER, M. G., M.D.
GUMNIT, R. J., M.D.
KENNEDY, W. R., M.D.
KLASSEN, A. C., M.D.
RESCH, J. A., M.D.
SUNG, J. H., M.D.
SWAIMAN, K. F., M.D.
TORRES, F., M.D.
WEBSTER, D., M.D.
WIRTSCHAFTER, J., M.D.
WRIGHT, F. S., M.D.

Neurosurgery:

BLOEDEL, J. R., PH.D., M.D.
CHOU, S. N., PH.D., M.D.
FRENCH, L. A., PH.D., M.D.
SELJESKOG, E. L., PH.D., M.D.

Nursing:

HARRIS, M. ISABEL, PH.D.
KING, FLORIS E., PH.D.
MANSFIELD, ELAINE R., PH.D.
MARTINSON, IDA M., PH.D.
RAMEY, IRENE G., PH.D.

Obstetrics and Gynaecology:

FOREMAN, H., PH.D., M.D.
FREEMAN, D., M.D.
HAKANSON, E. Y., M.D., M.SC.
OKAGAKI, T., M.D., PH.D.
PREM, K. A., M.D.
TAGATZ, G. E., M.D.

Ophthalmology:

HARRIS, J. E., PH.D., M.D.
KNOBLOCH, W. H., M.D.
WIRTSCHAFTER, J. D., M.D.

Orthopaedic Surgery:

BRADFORD, D. S., M.D.
THOMPSON, R. C., M.D.
WINTER, R. B., M.D.

Otolaryngology:

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University of Minnesota, Duluth Campus

Duluth, Minnesota 55812
Telephone: (218) 726-800

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Morris, Minnesota 56267
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DELTA STATE UNIVERSITY

CLEVELAND, MISSISSIPPI 38733
Telephone: (601) 846-6664.
Founded 1924.

President: Forest Kent Wyatt.
Registrar: James Donald Cooper.
Librarian: Dr. Rush Glenn Miller, Jr.

The library contains 250,000 vols.
Number of teachers: 190.
Number of students: 3,350.

JACKSON STATE UNIVERSITY

1325 LYNCH ST., JACKSON, MISSISSIPPI 39217
Founded 1877.

President: Dr. John A. Peoples, Jr.
Administrative Secretary to President: Mrs. Florence R. Morris.
Vice-President for Academic Affairs: Dr. Estus Smith.
Vice-President for Administration: Dr. L. E. Williams.
Vice-President for Fiscal Affairs: Dr. Paul W. Purdy.
Vice-President for Student Affairs: Dr. G. A. Johnson.
Director of Admissions: Oscar Williams.
Dean of School of Education: Dr. Beatrice Mosley.
Dean, Graduate School: Dr. Oscar Rogers.
Dean of Liberal Studies: Dr. R. H. Smith.
Dean, School of Business and Economics: Dr. William M. Cooley.
Dean, School of Industrial and Technical Studies: Dr. J. T. Smith.
Director of Records: Mrs. Mildred Kelly.
Director of the Library: Dr. Lelia G. Rhodes.

The library contains *c.* 220,000 vols.
Number of students: 7,718.

Publications: *Blue and White Flash* (quarterly), *Alumni Newsletter* (quarterly).

MILLSAPS COLLEGE

JACKSON, MISSISSIPPI 39210
Telephone: (601) 354-5201.
Founded 1892.

President: Dr. Edward M. Collins, Jr.
Registrar and Dean of Admissions: P. D. Hardin.
Librarian: J. F. Parks, Jr.

The library contains 125,000 vols.

Number of teachers: 63.
Number of students: 955.

MISSISSIPPI COLLEGE

CLINTON, MISSISSIPPI 39058
Telephone: 924-5131.
Founded: 1826.

President: Dr. Lewis Nobles.
Vice-President for Academic Affairs: Dr. Charles Martin.
Vice-President for Graduate Studies and Special Programs: Dr. Edward L. McMillan.
Vice-President for Business Affairs: Joe H. Barber, Jr.
Vice-President for Student Affairs: Dr. Van D. Quick.
Director of Admissions: Rory Lee.

The library contains 152,000 vols.

Number of teachers: 150 (including 40 part-time).
Number of students: 3,500.

MISSISSIPPI STATE UNIVERSITY

MISSISSIPPI 39762
Telephone: (603) 325-2131.
Founded 1878.

President: J. D. McComas.
Vice-President: T. K. Martin.
Vice-President and Dean of Faculty: R. E. Wolverton.
Vice-President for Agriculture, Forestry and Veterinary Medicine: L. N. Wise.
Vice-President for Business Affairs: George E. Kirk.
Registrar: L. D. Furgerson.
Librarian: G. R. Lewis.

Number of teachers: 750.
Number of students: 12,225.

Deans:

Agriculture: C. E. Lindley.
Architecture: W. G. McMinn.
Arts and Sciences: L. C. Behr.
Business and Industry: G. M. Rogers.
Education: M. M. Hawkins.
Engineering: Willie L. McDaniel.
Forestry: Warren E. Thompson (acting).

Graduate: J. C. McKee, Jr.
Student Affairs: R. L. Jones.
Veterinary Medicine: J. G. Miller.

MISSISSIPPI UNIVERSITY FOR WOMEN

COLUMBUS, MISSISSIPPI 39701

Founded 1884; first State-supported college exclusively for women to be founded in the U.S.

President: James W. Strobel, Ph.D.
Executive Vice-President: E. A. Knight, M.A.
Vice-President for Academic Affairs: H. Craft, M.A., Ph.D.
Vice-President for Student Affairs: Gloria Raines, M.A., Ph.D.
Vice-President for Financial Affairs: George H. Huxel, M.B.A., Ph.D.
Vice-President for External Affairs: (vacant).

Deans:

School of Arts and Sciences: (vacant).
School of Education: S. Dean Freedle, Ed.D.
School of Home Economics: Thrath Cobb Curry, Ed.D.
School of Nursing: Bettye J. Smith, Ed.D.
Librarian: **D. L. Payne, M.A., M.S., M.LS., Ph.D.**

Library of 252,873 vols.

Number of teachers: 160.

Number of students: 2,862.

Publication: *Catalogue* (annual).

MISSISSIPPI VALLEY STATE UNIVERSITY

ITTA BENA, MISSISSIPPI 38941

Telephone: 254-9041.

Founded 1950.

President: E. A. Boykins.
Dean: Silas Peyton.
Registrar: Lawrence M. Sutton.
Librarian: Robbye R. Henderson.

The library contains 84,315 volumes.

Number of teachers: 150.

Number of students: 3,228.

TOUGALOO COLLEGE

TOUGALOO, MISSISSIPPI 39174

Telephone: (601) 956-4941.

Founded 1869.

President: George A. Owens.
Director of Admissions: H. E. Dockins.
Director of Development and Public Relations: Benson E. Snyder.
Librarian: Mrs. J. C. Roach.

The library contains 84,630 vols.

Number of teachers: 57.

Number of students: 832.

Publication: *Tougaloo News* (six times a year).

UNIVERSITY OF MISSISSIPPI

UNIVERSITY,
LAFAYETTE CO.,
MISSISSIPPI 38677

Telephone: (601) 232-7111.

Chartered 1844.

The School of Medicine, the School of Dentistry, the School of Nursing and the School of Health Related Professions are situated at Jackson, Mississippi.

Chancellor: Porter L. Fortune, Jr., Ph.D.
Registrar: Dr. Mamie B. Franks, Ed.D.
Vice-Chancellor: Harvey S. Lewis, Ph.D.
Vice-Chancellor for Health Affairs: Norman Nelson, M.D. (Jackson Campus).
Director of Libraries: Calvin J. Boyer, Ph.D.

The library contains 761,760 documents.

Number of teachers: 564 (Oxford Campus).

Number of students: 9,570 (Oxford Campus).

Publications: *Mississippi Law Journal, Catalogues:* Graduate School, Law, Medical Centre, Summer Session, Undergraduate Studies.

Deans:

Business Administration: B. B. McNew, Ph.D.
Education: S. A. Moorhead, Ph.D.
Engineering: K. Brenkert, Jr., Ph.D.
Graduate: Joseph Sam, Ph.D.
Law: Parham Henry Williams, Jr., LL.M.
Liberal Arts: Gerald W. Walton, Ph.D.
Pharmacy: Wallace L. Guess, Ph.D.
Student Personnel: F. E. Moak, Ed.D.
Women: Joanne Varner Hawks, Ph.D.
Dentistry: W. V. Mann, D.M.D. (Jackson Campus).
Health Related Professions: Thomas Edward Freeland, Ph.D. (Jackson Campus).
Medicine: Norman Nelson, M.D. (Jackson Campus).
Nursing: Edrie Jean George, Ed.D. (Jackson Campus).

UNIVERSITY OF SOUTHERN MISSISSIPPI

SOUTHERN STATION, BOX 1,
HATTIESBURG,
MISSISSIPPI 39401

Telephone: (601) 266-7101.

Founded 1910.

President: Aubrey K. Lucas, Ph.D.
Executive Administrative Assistant: Roger B. Johnson, M.S.
Vice-President of Academic Affairs: Charles W. Moorman, Ph.D.
Vice-President of Administration: Shelby F. Thames, Ph.D.
Vice-President of Business and Finance: Thomas G. Estes, Jr., Ph.D.
Vice-President of Student Affairs: Peter E. Durkee, Ph.D.
Registrar: Danny W. Montgomery, M.Ed.
Director of Institutional Research: Sidney E. L. Weatherford, Jr., Ed.D.
Librarian: Grover C. Ashley, M.S.

The library contains 750,000 vols.

Number of teachers: 576.

Number of students: 11,000.

Publications: *The Southern Quarterly*†, *Journal of Educational Research*† (both quarterly).

Deans:

Education and Psychology: Eric M. Gunn, Ph.D.
Liberal Arts: James H. Sims, Ph.D.
Science and Technology: Gary C. Wildman, Ph.D.
Business Administration: Joseph A. Greene, Ph.D.
Fine Arts: John E. Green, Ed.D.
Home Economics: Sarah W. Gibbs, Ph.D.
Nursing: M. Elizabeth Harkins, Ph.D.
Health, Physical Education, Recreation: Walter E. Cooper, Ed.D.
Students: W. Rader Grantham, M.A.
Social Work: Shirley Jones, D.S.W.
Honors: Wallace G. Kay, Ph.D.
Library Services: O. K. Boshears, Ph.D.
Admissions: Gene D. Saucier, Ed.D.
Graduate School: Robert T. van Aller, Ph.D.

WILLIAM CAREY COLLEGE

HATTIESBURG,
MISSISSIPPI 39401

Telephone: 582-5051.

Founded 1906.

President: J. Ralph Noonkester, Ph.D., LL.D.
Academic Vice-President: J. M. Ernest, Jr., Ph.D.
Registrar: Mrs. Sara Emerson, B.S.
Director of Admissions: Antonio Pascale, M.Ed.
Librarian: Y. Lee, M.L.S.

The library contains 92,000 vols.

Number of teachers: 119.

Number of students: 2,364.

MISSOURI

AVILA COLLEGE

11901 WORNALL ROAD,
KANSAS CITY, MISSOURI 64145

Telephone: (816) 942-8400.

Founded 1916.

President: Sister Olive Louise Dallavis, C.S.J.
Registrar: Sister Anna Schlett, C.S.J.
Librarian: Sister Una Maria Brumback, C.S.J.

The library contains 65,000 vols.

Number of teachers: 205 (full- and part-time).

Number of students: 1,961.

Publication: *Avila College Catalog*†.

CARDINAL GLENNON COLLEGE

5200 GLENNON DRIVE,
ST. LOUIS, MISSOURI 63119
Telephone: MI 4-0266.

Founded 1900. Liberal Arts College exclusively for candidates for Roman Catholic priesthood.

President: Rev. FRANCIS A. GAYDOS, C.M.

Registrar: Mrs. CELESTE BRANDHORST

Librarian: Mrs. MARY BETH GLADIEUX.

The library contains 57,649 volumes.

Number of teachers: 24.

Number of students: 105.

CENTRAL METHODIST COLLEGE

FAYETTE, MISSOURI 65248
Founded 1854.

President: JOE A. HOWELL, PH.D.

Dean of the College: RONDAL BELL, PH.D.

Librarian: R. SHIELDS, M.A.

The library contains 100,000 vols.

Number of teachers: 59, including 12 professors.

Number of students: 600.

Publication: *Bulletin.*

CENTRAL MISSOURI STATE UNIVERSITY

WARRENSBURG,
MISSOURI 64093
Telephone: 429-4111.
Founded 1871.

President: WARREN C. LOVINGER.

Vice-President, Academic Affairs: R. E. MCAULEY.

Dean of Admissions: A. LOUIE SOSEBEE.

Registrar: R. BOYD.

Directory of Library Services: EDWARD HARRIS.

The library contains 470,000 vols.

Number of teachers: 455.

Number of students: 10,145.

CULVER-STOCKTON COLLEGE

CANTON, MISSOURI 63435
Telephone: Canton 288-5221.
Founded 1853.

President: ROBERT W. BROWN.

Registrar: Miss OLGA BAYS.

Vice-President for Academic Affairs: HENSON HARRIS.

Vice-President for College Relations: CHARLES EDWARDS.

Vice-President for Business Affairs: GLENN SCHLAGER.

Vice-President for Student Services and Admissions: JOHN T. HOHMAN.

Librarian: SHARON UPCHURCH.

The library contains 100,000 vols.

Number of teachers: 40.

Number of students: 500.

Publications: *Catalog, View, Alumnews* (bi-monthly), *Megaphone* (student newspapers, bi-weekly).

DRURY COLLEGE

SPRINGFIELD, MISSOURI 65802
Telephone: (417) 865-8731.
Founded 1873.

President: Dr. JOHN M. BARTHOLOMY.

Dean of the College: Dr. JORGE PADRON.

Registrar: GALE BOUTWELL.

Librarian: JUDITH ARMSTRONG.

The library contains 150,000 vols.

Number of teachers: 62 full-time equivalent.

Number of students: 1,500 full-time equivalent.

EVANGEL COLLEGE OF THE ASSEMBLIES OF GOD

1111 N. GLENSTONE,
SPRINGFIELD, MISSOURI 65802
Telephone: 865-2811.
Founded 1955.

President: Dr. ROBERT H. SPENCE.

Academic Dean: Dr. ZENAS BICKET.

Business Manager: GEORGE CRAWFORD.

Dean of Students: BERL H. BEST.

Director of Development: NEIL J. ESKELIN.

The library contains 85,000 vols.

Number of students: 1,291.

Publication: *Vision* (College magazine, six times a year).

FONTBONNE COLLEGE

6800 WYDOWN BLVD.,
ST. LOUIS, MISSOURI 63105
Telephone: (314) 862-3456.
Founded 1917.

President: Sister JANE HASSETT, C.S.J., PH.D.

Academic Dean: Sister MARIE DAMIEN ADAMS, C.S.J., PH.D.

Dean of Students: BARRY MCARDLE.

Registrar: SALLE CARL SCHARF.

Librarian: Sister ALBERTA A. RUYS, C.S.J., A.M.

Director of Development: ROBERT GRONEMEYER.

Director of Admissions and Student Financial Aid: DAMIAN J. WESTRICH, A.B.

The library contains 84,000 vols.

Number of teachers: 80.

Number of students: 1,018.

Publications: *Fontbonne Bulletin*† (annual), *FAN*† (Fontbonne College Magazine—quarterly).

HARRIS-STOWE COLLEGE

3026 LACLEDE AVENUE,
ST. LOUIS, MISSOURI 63103
Telephone: 533-3366.
Founded 1857.

President: Dr. RICHARD A. STUMPE.

Director of Admissions: Mrs. VALERIE BEESON.

Dean of Instruction: Mrs. RUTH PIPPINS.

Dean of Students: RONALD DIEDERICHS.

Registrar: Mrs. MARY JONES.

Librarian: MARTIN KNORR.

The library contains 43,000 vols.

Number of teachers: 50.

Number of students: 900.

KANSAS CITY ART INSTITUTE

4415 WARWICK BLVD.,
KANSAS CITY, MISSOURI 64111

Founded 1885. Four-year college of art and design.

President: JOHN W. LOTTES.

The library contains 28,000 vols. and 45,000 slides.

Number of students: 575.

LINCOLN UNIVERSITY

JEFFERSON CITY,
MISSOURI 65101
Founded 1966.

President: JAMES FRANK.

Vice-President: JOHN CHAVIS.

Dean of Students: JESSE JOHNSON.

Chairman, Graduate Division: JOE L. SIMMONS.

Librarian: Mrs. FREDDYE ASHFORD.

Number of teachers: 145, including 101 professors.

Number of students: 2,225.

Publications: *Lincoln Clarion* (2 a month), *Archives* (annual review), *Lincoln's Page, University Relations News Letter, Alumni Bulletin.*

LINDENWOOD COLLEGES, THE

ST. CHARLES, MISSOURI 63301

Lindenwood College for Women f. 1827;
Lindenwood College for Men f. 1969;
Lindenwood Evening College f. 1972;
Lindenwood College of Individualized Education f. 1975.

President: WILLIAM C. SPENCER, ED.D.

Dean, Lindenwood College for Women: DORIS CROZIER, M.A.

Dean, Lindenwood College for Men: P. F. DELANEY, PH.D.

Dean, Lindenwood Evening College: JOHN N. BARTHOLOMEW, TH.D.

Dean, Lindenwood College of Individualized Education: CRAIG R. EISENDRATH, PH.D.

Registrar: EVA EMORY, B.A.

Librarian: PATRICIA DELKS, M.L.S.

The library contains 80,000 books and pamphlets.

Number of teachers: 100.

Number of students: 1,700.

Publications: *The Lindenwood College Bulletin, The Ibis, The Linden Leaves* (yearbook), *The Griffin* (annual).

MARYVILLE COLLEGE

13550 CONWAY ROAD,
ST. LOUIS, MISSOURI 63141
Telephone: (314) 434-4100.
Founded 1872.

President: Dr. Claudius Pritchard.
Vice-President, Academic Dean: Dr. James C. Stam.
Director of Admissions: Michael J. Gillick.
Registrar: Dr. Robert Adams.
Librarian: Mrs. Pepper Coil.

The library contains 86,000 vols.

Number of teachers: 99.
Number of students: 1,250.

MISSOURI VALLEY COLLEGE

500 EAST COLLEGE,
MARSHALL, MISSOURI 65340
Telephone: (816) 886-6924.
Founded 1889.

President: Donald C. Ziemke.
Registrar: B. B. Banta.
Director of Admissions: A. L. Ruby.
Dean: Alton E. Harris.
Librarian: John McCallum.

The library contains 82,500 vols.

Number of teachers: 41.
Number of students: 500.

NORTHEAST MISSOURI STATE UNIVERSITY

KIRKSVILLE, MISSOURI 63501
Founded 1867.

President: Dr. Charles J. McClain.
Dean of Instruction: Dr. Darrell Krueger.
Director of Admissions/Registrar: Kent Farnsworth.

The library contains over 210,000 vols.

Number of teachers: 309.
Number of students: 6,279.

Publications: Official Bulletins (monthly), *Nemoscope* (quarterly), *Index* (weekly student newspaper), *Baldwin Lecture* (yearly), *Echo* (student yearbook).

NORTHWEST MISSOURI STATE UNIVERSITY

MARYVILLE, MISSOURI 64468
Telephone: (816) 582-7141.
Founded 1905.

President: Dr. B. D. Owens.
Assistant to the President: Dr. Robert E. Bush.
Vice-President for Student Development: Dr. J. P. Mees.
Vice-President for Academic Affairs: Dr. George W. English.
Dean of Graduate School: Dr. Leon F. Miller.
Dean of Students: Dr. Phil Hayes.
Dean of Admissions: Dr. Robert Bush.
Librarian: Dr. C. W. Kock.

The library contains 194,544 vols.

Number of teachers: 247.
Number of students: 4,103.

Publications: *N.M.S.U. Studies*† (quarterly), *Northwest Missourian* (weekly newspaper), *Tower* (student yearbook).

PARK COLLEGE

PARKVILLE, MISSOURI 64152
Telephone: Sh 1-2000.
Founded 1875.

President: Harold Condit.
Registrar: Glenn McCoy.
Director of Admissions: JoAnne Saunders.
Librarian: H. Smith.

The library contains 91,014 vols.

Number of teachers: 275.
Number of students: 3,839.

Publications: *The Park Alumniad*, *The Park Record* (both quarterly).

ROCKHURST COLLEGE

5225 TROOST AVENUE,
KANSAS CITY, MISSOURI 64110
Telephone: (816) 363-4010.
Founded 1910.

President: Rev. Robert F. Weiss.
Chancellor: Rev. Maurice E. Van Ackeren, s.j.
Academic Dean and Acting Vice-President: Rev. A. James Blumeyer, s.j.
Registrar: P. D. Arend.
Librarian: G. B. Hubble.

The library contains 98,000 vols.

Number of teachers: 216.
Number of students: 3,481.

SAINT LOUIS UNIVERSITY

221 NORTH GRAND BLVD.,
SAINT LOUIS, MISSOURI 63103
Telephone: (314) 658-2222.

Founded 1818; Chartered 1832.
Private control; Academic year: September to May (two terms).

President: Rev. Edward J. Drummond, s. j., a.m., s.t.l., ph.d.
Chancellor: Rev. Paul C. Reinert, s.j., a.m., s.t.l., ph.d., ll.d., ped.d., l.h.d., ed.adm.d.
Academic Vice-President: Edwin G. Eigel, Jr., ph.d.
Vice-President for the Medical Center: George E. Thoma, Jr., m.d.
Vice-President for Business and Finance: Joseph E. Lynch, a.s.c.
Associate Academic Vice-President: Gerald W. Baltz, ed.m., ph.d.
Director of Campus Ministries: Rev. Neal McDermott, o.p., ph.b., ph.l., s.t.lr., m.a.
Registrar: Helen Canada, m.s., ph.d.
Secretary-Treasurer: Rev. J. J. Marchetti, s.j., a.m., s.t.l., ph.d.
Dean of Admissions: L. A. Menard, m.ed.
Controller: C. R. Peabody, b.s. in c.
Director of University Libraries: W. P. Cole, a.m.l.s.

The library contains over 970,000 vols.

Number of teachers: 1,812.
Number of students: 10,393.

Publications: *The Classical Bulletin*, *The Modern Schoolman*, *Review for Religious*, *Theology Digest*, *Saint Louis University Law Journal*, *Seismological Bulletin*, *Manuscripta*, *Universitas*, *Chart*, *Eads Bridge Review*, *Challenge*, *Horizon*, *Conservator*, *This Week at Saint Louis University*, *Institute of Jesuit Sources*, *Studies in the Spirituality of Jesuits*, *Symposium*, *International Legal Education Newsletter*, *BALSA Reports*, *Parks Today*, *Law and Tactics in Juvenile Cases*, *The University News*.

Deans:

College of Arts and Sciences: Thomas R. Knipp, ph.d.
Graduate School: Rev. William V. Stauder, s.j., m.s., s.t.l., ph.d.
School of Medicine: David R. Challoner, b.s., m.d.
School of Law: John F. T. Murray, b.s., j.d., m.a.
College of Philosophy and Letters: Rev. John L. Treloar, s.j., m.a., ph.l., s.t.l., ph.d.
School of Business and Administration: John W. Wagner, m.a., ph.d.
School of Nursing and Allied Health Professions: Sister Mary T. Noth, s.s.m., ed.d.
School of Social Service: Joan M. Smith, m.s.w., (acting).
Parks College: L. Z. Seltzer, b.s.e. (ae.e.).
Metropolitan College: Carl L. Harshman, m.s., ph.d.

Professors:

Andres, R. M., m.s., ph.d., Aerospace Engineering
Arkin, I. M., m.div., ph.d., Theological Studies
Aspinwall, N. A., m.s., ph.d., Biology
Austrin, H. R., a.m., ph.d., Psychology
Ayres, S. M., b.a., m.d., Internal Medicine
Banville, G. R., m.s.c., ph.d., Marketing
Barclay, A. G., ph.d., Psychology
Barmann, Rev. L. F., s.j., m.a., s.t.l., ph.d., History
Barner, H. B., b.s., m.d., Surgery
Barth, Rev. L. A., s.j., a.m., s.t.l., ph.d., Philosophy
Becvar, R. J., m.s., ph.d., Education
Bedel, D. P., m.s., m.b.a., ph.d., Accounting
Bender, A. E., m.litt., ph.d., Education
Benoit, R. P., ph.d., English
Berry, C. E., m.s., j.d., Hospital and Health Care Administration
Bhagat, B. D., ph.d., Physiology
Biddy, R. L., m.d., Psychiatry
Bires, Mary T., m.s. in l.s., Pius XII Library
Blackmar, C. B., j.d., Law
Blackwell, R. J., a.m., ph.d., Philosophy

Bonwich, W. T., M.S., D.B.A., PH.D., Marketing
Bose, S. K., M.SC., PH.D., Microbiology
Breckwoldt, G. H., PH.D., Communication Disorders
Brennan, W. C., M.S.W., PH.D., Social Work
Brill, K. G., Jr., M.S., PH.D., Geology
Brinley, J. F., A.M., PH.D., Psychology
Brodeur, A. E., M.D., M.RD., Radiology
Broun, G. O., Jr., M.D., Internal Medicine
Bryer, J. W., B.S. IN AE., M.B.A., Aircraft Maintenance Engineering
Butler, R. O., A.M., Theatre Arts
Cantwell, J. C., PH.D., Mathematics
Celesia, G. G., M.D., M.S., Neurology
Chalender, B. L., ED.D., Education
Challoner, D. R., B.S., M.D., Internal Medicine
Chiasson, E. J., M.A., PH.D., English
Childress, Marianne, A. M., PH.D., Philosophy
Coe, R., A.M., PH.D., Community Medicine
Collins, H. A., A.M., PH.D., Psychology
Collins, J. D., A.M., PH.D., Philosophy
Coret, I. A., A.B., M.D., Pharmacology
Coscia, C. J., M.S., PH.D., Biochemistry
Daly, Rev. J. F., S.J., M.S., S.T.L., Mathematics
Daly, Rev. L. F., S.J., A.M., S.T.L., PH.D., History
Davenport, D. G., A.M., PH.D., Psychology
Davis, B. B., Jr., M.D., Internal Medicine
de Castro, F. J., M.D., M.P.H., Paediatrics
de Moret, Anne-Marie J., D.D'UNIV., Modern Languages
Delaney, R. M., PH.D., Physics
Derrig, Rev. J. R., S.J., A.M., S.T.L., PH.D., Political Science
Doisy, E. A., Jr., B.S., M.D., Biochemistry
Donati, R. M., B.S., M.D., Internal Medicine
Donnelly, P. R., M.S.H.A., PH.D., Hospital and Health Care Administration
Doyle, A. M., A.M., PH.D., Education
Doyle, J. P., A.M., PH.D., Philosophy
Drebes, C. B., M.A., D.SC., Management Sciences
Dunne, G. T., B.S., LL.B., Law
Dunsford, J. E., B.S., J.D., LL.M., Law
Dwyer, J. D., M.S., PH.D., Biology
Eigel, E. G. Jr., PH.D., Mathematics
Eliceiri, G. L., M.D., PH.D., Pathology
Elliott, W. H., M.S., PH.D., Biochemistry
Ermatinger, C. J., A.M., PH.D., Philosophy
Eslick, L. J., A.M., PH.D., Philosophy
Faherty, Rev. W. B., S.J., A.M., PH.D., History
Farris, B. E., Jr., M.A., M.S.S.W., PH.D., Social Work
Feir, Dorothy J., M.S., PH.D., Biology
Fister, R. E., J.D., Finance
Fitch, C. D., M.S., M.D., Internal Medicine
Flanagan, E. J., M.B.A., Engineering Sciences
Foley, Rev. R. L., M.A., S.T.B., S.T.L., PH.D., Theological Studies
Forsberg, J. H., M.S., PH.D., Chemistry
Freese, R. W., A.M., PH.D., Mathematics
Friedman, W. H., M.D., Otolaryngology
Gaffney, Rev. J. P., S.M.M., S.T.L., S.T.D., Theological Studies
Gallagher, N. I., A.M., M.D., Internal Medicine
Gammel, J. L., M.A., PH.D., Physics
Gantner, G., Jr., M.D., Forensic and Environmental Pathology
Garcia, P. G., M.A., PH.D., Modern Languages
George, J. A., M.S., PH.D., Aerospace Engineering
Gilner, F. H., A.M., PH.D., Psychology
Goldman, R. L., J.D., Law
Green, M., M.S., PH.D., Microbiology
Gregory, J. G., M.D., Urology
Grobman, Hulda, A.B., M.P.A., ED.D., Health Education
Grossman, L. J., B.S.B.A., PH.D., Economics
Gruenberg, Gladys W., A.M., PH.D., Economics
Guentner, F. J., S.J., A.M., Music
Guerra, F. J., M.B.A., C.P.A., Accounting
Guithues, H. J., M.B.A., PH.D., Finance
Haimann, T., M.B.A., PH.D., Management Sciences
Handal, P. J., M.A., PH.D., Psychology
Hanson, A. B., A.M., Theatre Arts
Harrington, J. T., B.S., M.B.A., Aircraft Maintenance Engineering
Hasl, R. C., J.D., LL.M., Law
Haworth, Rev. M. A., S.J., A.M., S.T.L., PH.D., Classical Languages
Heinrich, R. R., M.S., PH.D., Geophysics
Heiser, Rev. W. C., S.J., M.S.INL.S., Pius XII Library
Henle, Rev. R. J., S.J., A.M., PH.L., S.T.L., PH.D., Justice in American Society
Herron, R. D., M.A., PH.D., Modern Languages
Hertelendy, F., PH.D., Internal Medicine
Hitchcock, J. F., A.M., PH.D., History
Hofling, C. K., A.B., M.D., Psychiatry
Hohnstedt, L. F., PH.D., Chemistry
Horenstein, S., B.S., M.D., Neurology
Hyram, G. H., A.M., PH.D., Education
Immel, V. C., B.S. IN ED., J.D., Law
Jansen, Rev. L. F., S.J., A.M., S.T.L., Classical Languages
Johnston, L. E., Jr., D.D.S., M.S., PH.D., Orthodontics
Joyce, Ruth M., M.S.S.W., Social Work
Kahler, Carol, B.S. IN C., A.M. IN ED., ED.D., Education
Kaiser, G. C., A.B., M.D., Surgery
Keefe, Rev. D. J., S.J., J.D., S.T.L., S.T.D., Theological Studies
Kelly, Rev. E. E., A.M., PH.D., S.T.L., English
Keltner, R. M., Jr., M.D., Surgery
Kim, S. H., M.B.A., PH.D., Finance
Kim, Yee Sik, M.S., PH.D., Pharmacology
King, D. B., J.D., LL.M., Law
Kinsella, R. A., Jr., A.B., M.D., Internal Medicine
Knapp, Rev. J. G., S.J., A.M., PH.D., English
Knipp, T. R., M.A., PH.D., English
Korn, J. H., M.S., PH.D., Psychology
Kramer, T. J., M.A., PH.D., Psychology
Kugel, Y., A.B., PH.D., Management Sciences
Kustura, J. J., M.S., Aeronautical Administration
Kwak, N. K., A.M., PH.D., Management Science
Kwon, Ik-Whan, A.M., PH.D., Management Sciences
Laskowski, L. F., Jr., M.S., PH.D., Pathology
Lee, S., PH.D., Physics
Limouzy, P. F., C.A.P.E.S., Modern Languages
Lin, Yeong-Jer, M.S., PH.D., Meteorology
Lind, A. R., D.PHIL., D.SC., Physiology
Longmore, W. J., PH.D., Biochemistry
Loui, W. A., A.M., Theatre Arts
Lundgard, J. P., M.A., Aerospace Studies
McAvoy, W. C., A.M., PH.D., English
McDonough, J. N., J.D., LL.M., Law
McGee, J. F., M.S., PH.D., Physics
McGowan, Sister M. Noreen, S.S.M., M.S. IN NR.ED., Nursing
McPartland, T. S., PH.D., Sociology
McSweeney, Maryellen, A.B., PH.D., Research Methodology
Maguire, E. J., B.S., PH.D., History
Maher, Rev. T. P., S.J., A.M., PH.D., Education
Malone, L. J., Jr., M.S., PH.D., Chemistry
Marchetti, Rev. J. J., S.J., A.M., S.T.L., PH.D., Education
Marr, J. J., M.D., M.S., Internal Medicine
Martin, D. E., M.S., F.L., Meteorology
Martonosi, A. N., M.D., Biochemistry
Mazza, Rev. R. R., S.J., M.A., PH.D., Modern Languages
Meara, Rev. J. F., S.J., ED.M., S.T.L., S.T.D., Theological Studies
Melechen, N. E., PH.D., Microbiology
Merz, P. E., A.M., PH.D., Economics
Meyers, A. C., Jr., M.S. IN C., PH.D., Economics
Mihanovich, C. S., B.S. IN ED., A.M., PH.D., Sociology
Miller, C. H., A.M., PH.D., English
Monteleone, J. A., M.D., Paediatrics
Monteleone, Patricia L., M.D., Paediatrics
Moon, Margarete W., M.A., PH.D., Modern Languages
Montesi, A. J., A.M., PH.D., English
Mudd, J. F. G., B.S., M.D., Internal Medicine
Muelheims, G. H., M.D., Internal Medicine
Mueller, Hiltrud S., M.D., Internal Medicine
Munz, D. C., M.S., PH.D., Psychology
Murray, J. F. T., J.D., M.A., Law
Murray, Ruth B., R.N., M.S.N., Nursing
Myers, F. H., Jr., B.S., Aircraft Maintenance Engineering
Nadel, E. M., M.S., M.D., Pathology
Napoli, J. G., M.S., PH.D., Psychology
Neidlinger, R. J., M.S., ED.D., Music
Netchvolodoff, Svetlana, M.S. IN L.S., Pius XII Library
Nevins, F. M., Jr., J.D., Law
Nicholas, H. J., PH.D., Biochemistry
Nickeson, R. C., M.S., PH.D., Psychology
Nikolai, R. J., M.S., PH.D., Orthodontics
Noth, Sister M. Teresa, S.S.M., R.N., M.S. IN NR.ED., ED.D., Nursing
Nuttli, O. W., B.S. IN PET. GPH., M.S., PH.D., Geophysics
O'Brien, J. J., A.M., PH.D., Education
O'Connell, Rev. D. C., S.J., A.M., S.T.L., PH.D., Psychology
O'Leary, E. J., M.S., ED.M., ED.D., Education
Olson, R. E., A.B., M.D., PH.D., Biochemistry
Ong, Rev. W. J., S.J., A.M., S.T.L., PH.D., English
O'Reilly, D. E., M.D., M.OR.SR., Orthopaedic Surgery
Ostapowicz, F., M.D., Obstetrics/Gynaecology
Padberg, W. H., M.S.W., D.S.W., Social Work
Pallmann, A. J., DR.RER.NAT., Meteorology
Paterson, C. P., A.M., Communication
Peden, Virginia H., M.D., Paediatrics
Pepper, M. P., M.D., M.P.H., Community Medicine
Pogell, B. M., PH.D., Microbiology
Power, R. W., A.B., J.D., Law
Punzo, V. C., A.M., PH.D., Philosophy
Pyziur, E., M.J., DR.IUR., A.M., PH.D., Political Science
Raw, C. J. G., M.SC., PH.D., Chemistry
Reagan, J. T., A.M., PH.D., Philosophy
Reinert, Rev. P. C., S.J., A.M., S.T.L., PH.D., Education
Rhodes, J. [illegible], M.S. IN M.E., Aerospace Engineering
Rice, B., B.S., PH.D., Chemistry
Richey, Marjorie H., PH.D., Psychology
Richins, C. A., A.M., PH.D., Anatomy
Riddle, Irene E., R.N., M.S. IN NR.ED., PH.D., Nursing
Riles, J. B., PH.D., Mathematics

ROACH, R. C., A.M., PH.D., Modern Languages
ROGERS, J. A., A.M., PH.D., English
ROHLIK, J., JU.DR., LL.M., Law
RUBIN, MARILYN B., M.S., PH.D., Nursing
RUBLE, R. A., A.M., ED.D., Education
SABHARWAL, C. L., M.S., PH.D., Mathematics
SALSICH, P. W., Jr., A.B., J.D., Law
SANCHEZ, J. M., A.M., PH.D., History
SARASOHN, S. E., B.S. IN ECON., J.D., Law
SCHMANDT, H. J., A.M., PH.D., Urban Affairs
SCHULTE, Rev. B. C., S.J., A.M., S.T.L., Modern Languages
SCHULTZ, G. P., LL.B., Law
SCHWEISS, J. F., M.D., Surgery
SCOTT, J. F., A.M., PH.D., English
SEARLS, EILEEN H., A.B., J.D., M.S., Law
SECKER-WALKER, R. H., M.B., B.CHIR., Internal Medicine
SELTZER, L. Z., PH.C., B.S.E.(AE.E.), Aerospace Engineering
SENAY, L. C., Jr., PH.D., Physiology
SKELLY, MADGE, M.A., PH.D., Communication Disorders
SLAVIN, R. G., A.B., M.D., M.S., Internal Medicine
SMITH, JOAN M., B.A., M.S.W., Social Work
SMITH, K. R., Jr., M.D., Surgery
SOBKOWSKI, F. J., D.D.S., M.S., PH.D., Orthodontics
SPRENGEL, D. P., A.M., PH.D., Urban Affairs
STANTON, C. M., M.B.A., PH.D., Education
STAUDER, Rev. W. V., S.J., M.S., S.T.L., PH.D., Geophysics
STRETCH, J. J., M.S.W., PH.D., Social Work
SULLIVAN, KATHERINE, A.M., English
SULLIVANT, Rev. R. L., S.J., M.S., PH.D., Modern Languages
TAUB, ALICE, M., A.M., PH.D., Modern Languages
TEPAS, D. I., PH.D., Psychology
THALE, T. R., M.D., Psychiatry
THOMA, G. E., Jr., B.S., M.D., Internal Medicine
THRO, Rev. L. J., S.J., M.A., S.T.L., PH.D., Philosophy
TILLMAN, ESTHER, M.A., Modern Languages
TIPTON, Rev. G. M., S.J., PH.D., Chemistry
TISTHAMMER, DANA J., B.A., B.S. IN L.S., Pius XII Library
TONER, T. F. N., M.F.A., Art and Art History
TUCHLER, D. J., J.D., Law
TYREE, D. A., M.B.A., PH.D., Finance
ULRICH, B. H., Jr., M.S.A.E., Aerospace Engineering
VAGO, S., A.M., PH.D., Sociology
VASQUEZ, S. W., M.B.A., C.P.A., Accounting
VINCENZ, S. A., A.R.C.S., D.I.C., PH.D., Geophysics
WAGNER, J. W., M.A., PH.D., Accounting
WALSH, J. J., S.J., A.M., PH.D., Theatre Arts
WALSH, R. R., PH.D., Biology
WEBER, M. M., B.S.. SC.D., Microbiology
WEGRIA, R. W. E., M.D., D.MED.SC. (INT.MED.), Pharmacology
WEIDLE, CATHERINE E., M.A., M.S. IN L.S., Pius XII Library
WENDEL, G. D., A.M., PH.D., Political Science
WILLMAN, V. L., M.D., Surgery
WOOD, H. S., A.B., M.B.A., A.M. IN ED., Aeronautical Administration
WOOLSEY, R. M., B.S., M.D., Neurology
WULLER, C. E., M.S. IN C., PH.D., Accounting
YEAGER, V. L., PH.D., Anatomy
YOUNG, P. A., M.S., PH.D., Anatomy
ZEIS, DOLORES M., R.N., M.P.H., Nursing
ZIMNY, G. H., PH.B., A.M., PH.D., Psychiatry

SCHOOL OF THE OZARKS

POINT LOOKOUT, MISSOURI 65726
Telephone: (417) 334-6411.
Founded 1906.

President: Dr. M. GRAHAM CLARK.
Chancellor: Dr. HOWELL KEETER.
Vice-President for Academic Affairs: Dr. WAYNE HUDDLESTON.
Vice-President for Administration: Dr. WILLIAM D. TODD.
Vice-President for Public Relations: Dr. JOHN MOAD.
Vice-President for Development: JOHN KNOX.

The library contains 80,000 vols.

Number of teachers: 82.
Number of students: 1,100.

SOUTHEAST MISSOURI STATE UNIVERSITY

CAPE GIRARDEAU, MISSOURI 63701
Telephone: (314) 334-8211.
Founded 1873.

President: ROBERT LEESTAMPER.
Registrar: A. BRAY.
Director of Admissions: JACK BEHRENS.
Librarian: (vacant).

The library contains 290,000 vols., 170,000 microforms.

Number of teachers: 350.
Number of students: 8,889.

SOUTHWEST MISSOURI STATE UNIVERSITY

901 SOUTH NATIONAL, SPRINGFIELD, MISSOURI 65802
Telephone: 836-5000.
Founded 1905.

President: DUANE G. MEYER.
Director of Admissions: L. LEISENRING
Librarian: R. HARVEY.

The library contains 327,000 vols.

Number of teachers: 514 full-time, 122 part-time.

Number of students: 12,306.

STEPHENS COLLEGE

COLUMBIA, MISSOURI 65201
Telephone: (314) 442-2211.
Founded 1833.

President: ARLAND F. CHRIST-JANER.
Executive Vice-President: MARTHA G. WADE.
Dean of Faculty: WALTER CHIZINSKY.
Dean of Admissions and Financial Aid: BERNARD A. LOPOSER.
Librarian: WILLIS HUBBARD.

The library contains 108,461 vols.

Number of full-time teachers: 130.
Number of students: 1,700.

TARKIO COLLEGE

TARKIO, MISSOURI 64491
Telephone: (816) 736-4131.
Founded 1883.

Christian liberal arts college.

President: ELDON E. BREAZIER, ED.D.
Registrar: NANCY DOUGHERTY.
Librarian: Miss JEANETTE HUSTON.

The library contains 55,000 volumes.
Number of teachers: 35.
Number of students: 550.

UNIVERSITY OF MISSOURI

COLUMBIA, MISSOURI
Founded 1839.

President: JAMES C. OLSON, PH.D., LL.D.
Vice-President for Administration: A. G. UNKLESBAY, PH.D.
Vice-President for Academic Affairs: MELVIN D. GEORGE, PH.D.
Vice-President for Extension: C. N. SCHENEMAN, PH.D.
Vice-President for Business Management: D. O. BOWLING, B.S.B.A.
Vice-President for Research: A. H. EMMONS, PH.D.
Vice-President for Administrative Affairs: JAMES R. BUCHHOLZ, B.S.
University Director, Institutional Research: J. L. SAUPE, ED.D.

Library: *see* Libraries.

University of Missouri Columbia

COLUMBIA, MISSOURI 65201
Telephone: (314) 882-2121.
Founded 1839.

State control; Academic year: August to July (three semesters).

Chancellor: BARBARA S. UEHLING, PH.D.
Vice-Chancellor: W. C. DANIEL, PH.D.
Provost of Academic Affairs: O. J. KOEPPE, PH.D.
Provost of Health Affairs: J. R. WHITE, M.D.
Provost for Administration: JOHN F. McGOWAN.
Registrar and Director of Admissions: G. L. SMITH, ED.D.
Dean of Extension: LEONARD C. DOUGLAS.
Dean of Students: J. M. BANNING.

Number of teachers: 1,616.
Number of students: 22,101.

DEANS AND DIRECTORS:

College of Agriculture: E. R. KIEHL, PH.D. (includes School of Forestry).
College of Arts and Science: A. F. YANDERS, PH.D.
College of Business and Public Administration: S. WATSON DUNN, PH.D.
College of Education: B. G. WOODS, PH.D.
College of Engineering: W. R. KIMEL, PH.D.
College of Public and Community Services: GEORGE F. NICKOLAUS.

Graduate School: Richard L. Wallace, ph.d. (acting).
School of Journalism: R. Fisher, b.s.
School of Law: Allen E. Smith.
School of Library and Information Science: John H. Gribbin, ph.d.
School of Medicine: Dr. Charles C. Lobeck, Jr.
School of Social Work: Richard E. Boettcher.
School of Home Economics: Beatrice B. Litherland, ph.d.
School of Nursing: Gladys Courtney, m.d.
School of Veterinary Medicine: Dr. Kenneth D. Weide.

University of Missouri—Kansas City

5100 Rockhill Road,
Kansas City, Missouri 64110
Telephone: Cr. 6-1000.

Established as private university in 1933, became a part of the University of Missouri in 1963.

Chancellor: George A. Russell, ph.d.
Director of Development and Alumni and Constituent Relations: Donald G. Brackhahn.
Director of Admissions and Registrar: Leo J. Sweeney, b.a.
Business Officer: Claiborne Harper.
Provost for Health Sciences: Dr. E. Grey Dimond.
Dean of Students: Dr. Gary E. Widmar.
Director, University Libraries: Dr. Kenneth J. LaBudde.

The library contains 602,630 vols., 14,857 microfilms and 511,896 units of other microtext.

Number of teachers: 600 full-time.
Number of students: 10,990.

Deans:

College of Arts and Sciences: Dr. George Dahlgren.
School of Administration: Dr. Jack E. Heysinger, ll.m.
School of Dentistry: Dr. Marvin E. Revzin.
School of Education: Dr. J. Joseph Doerr.
School of Graduate Studies: Dr. Herwig G. Zauchenberger.
School of Law: Patrick Kelly, j.d.
Conservatory of Music: Dr. E. Lindsey Merrill.
School of Pharmacy: Dr. Donald L. Sorby.
Division for Continuing Education: Walter B. Wright, m.b.a.
School of Medicine: Dr. Richardson K. Noback.

University of Missouri—Rolla

Rolla, Missouri 65401
Telephone: (314) 341-4111.
Founded 1870.

Chancellor: Joseph M. Marchello, ph.d.
Vice-Chancellor: Dudley Thompson, ph.d.
Provost and Dean of Faculties: Jim C. Pogue, ph.d.
Business Officer: J. Wollard, b.s.
Dean of Student Affairs: P. E. Ponder, m.ed.
Registrar and Director of Admissions: R. B. Lewis, m.ed.
Librarian: Ronald Bohley.

Number of teachers: 325.
Number of students: 4,900.

Deans:

School of Engineering: James E. Halligan, ph.d.
School of Mines and Metallurgy: T. J. Planje, ph.d.
College of Arts and Sciences: Adrian H. Daane, ph.d.
Graduate School: R. H. McFarland, ph.m., ph.d.
Extension: G. E. Lorey, ph.d.

University of Missouri at St. Louis

8001 Natural Bridge Rd.,
St. Louis, Missouri 63121
Telephone: 453-0111.
Founded 1963.

Chancellor: Arnold B. Grobman, ph.d.
Vice-Chancellor for Academic Affairs: A. C. MacKinney, ph.d.
Vice-Chancellor for Community Affairs: E. Walters, ph.d.
Vice-Chancellor for Administrative Services: J. P. Perry, m.s.
Registrar and Director of Admissions: H. E. Mueller, ed.d.

Number of teachers: 406.
Number of students: 11,188

Deans:

Student Affairs: Conney M. Kimbo, ph.d.
College of Arts and Sciences: R. S. Bader, ph.d.
School of Business Administration: D. Driemeyer, d.b.a.
School of Education: William L. Franzen, ph.d.
Evening Division: Joy Whitener, ed.d.
Graduate School: Thomas Jordan, ed.d.

WASHINGTON UNIVERSITY

SAINT LOUIS, MISSOURI 63130
Telephone: 889-5000.

Chartered 1853 as Eliot Seminary. Charter altered to Washington University 1857.

Private control; Academic year: September to May.

Chancellor: William H. Danforth, a.b., m.d.
Provost: M. Kling, ph.d.
Vice-Chancellor for University Services: D. S. Luecke, ph.d.
Vice-Chancellor for Financial Affairs: J. H. Biggs, a.b.
Vice-Chancellor for Medical Affairs: Samuel B. Guze, m.d.
Director of Student Records: Richard F. Young, b.s.
Librarian: Renata Rotkowicz, m.a. (acting).

Number of teachers: *c.* 2,200.
Number of students: 11,147.

Publications: *Student Life, Hatchet, Washington University Magazine, Alumni News.*

Deans:

Faculty of Arts and Sciences: L. Gottfried, ph.d.
College of Arts and Sciences: B. M. Wheeler, m.a., ph.d.
Graduate School of Arts and Sciences: R. E. Morrow, a.m., ph.d.
School of Architecture: C. Michaelides, dr.arch.
School of Business and Public Administration: R. L. Virgil, d.b.a. (acting).
School of Dentistry: G. D. Selfridge, d.d.s.
School of Engineering and Applied Science: J. M. McKelvey, m.s., ph.d. (includes the *Sever Institute of Graduate Engineering*).
School of Fine Arts: R. I. Des Rosiers, m.a.
School of Law: Edward T. Foote, j.d.
School of Medicine: M. K. King, b.a., m.d.
George Warren Brown School of Social Work: Shanti K. Khinduka, ph.d.
School of Continuing Education and Summer School: R. J. Batt, j.d., m.a., ph.d.

Attached Research Institute:

Center for the Biology of Natural Systems: f. 1966; Dir. Prof. B. Commoner.

WEBSTER COLLEGE

470 EAST LOCKWOOD AVENUE,
ST. LOUIS, MISSOURI 63119
Telephone: (314) 968-0500.
Founded 1915.

President: Dr. Leigh Gerdine.
Registrar: Sister Lucy R. Rawe.
Librarian: Mrs. K. Luebbert.

The library contains 146,300 vols.

Number of teachers: 101 full-time, 620 part-time.
Number of students: 4,393.

WESTMINSTER COLLEGE

FULTON, MISSOURI 65251
Telephone: (314) 642-3361.
Founded 1851.

President: Dr. J. Harvey Saunders.
Librarian: W. E. Marquardt.

The library contains 73,521 vols.

Number of teachers: 56.
Number of students: 680.

WILLIAM JEWELL COLLEGE

LIBERTY, MISSOURI 64068
Telephone: 781-3806.
Founded 1849.

President: THOMAS S. FIELD.
Registrar: Mrs. DEOLA GAIRRETT.
Director of Admissions: H. WYATT, Jr.
Librarian: J. P. YOUNG.

The library contains 121,000 vols.
Number of teachers: 85.
Number of students: 1,621.

WILLIAM WOODS COLLEGE

FULTON, MISSOURI 65251
Founded 1870.

President: RANDALL B. CUTLIP, M.A., ED.D., LL.D., L.H.D.
Vice-President and Dean of Academic Affairs: C. M. SHIPP, M.A., PH.D.
Dean of Student Services: JOYCE E. LAKE, B.S., M.E.
Vice-President and Dean of Promotional Affairs: L. D. MILLER, A.B., M.ED., LITT.D.

The library contains 129,162 vols.

Number of teachers: 65 full-time, 43 part-time.

Publications: *Green Owl* (campus newspaper), *Woods Echoes* (alumnae magazine).

MONTANA

CARROLL COLLEGE

HELENA, MONTANA 59601
Telephone: 442-3450.
Founded 1909.

President: Dr. FRANCIS J. KERINS.
Registrar: DANNETTE M. SULLIVAN.
Librarian: Bro. JOHN FEDEROWICZ, C.S.C.

The library contains 52,000 volumes.
Number of teachers: 78.
Number of students: 1,433.

COLLEGE OF GREAT FALLS

1301 20TH STREET SOUTH,
GREAT FALLS, MONTANA 59405
Telephone: (406) 761-8210.
Founded 1932.

President: Dr. WILLIAM A. SHIELDS.
Academic Vice-President: Dr. CHARLES M. HEPBURN.
Registrar: Sister MARGUERITE O'CONNOR.
Librarian: RANDALL COLLVER.

The library contains 84,210 vols.
Number of teachers: 80.
Number of students: 1,200.

EASTERN MONTANA COLLEGE

BILLINGS, MONTANA 59101
Telephone: (406) 657-2011.
Founded 1927.

President: JOHN E. VAN DE WETERING, PH.D.
Registrar: C. E. KITTOCK.
Librarian: EDMUND R. ARNOLD.

The library contains 287,187 vols.
Number of teachers: 168.
Number of students: 3,453.

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

BUTTE, MONTANA 59701
Founded 1893.

President: FRED W. DEMONEY.
Vice-President of Academic Affairs and Dean: ROY H. TURLEY.
Registrar and Director of Admissions: JOSEPH KASPERICK.
Director of Fiscal Affairs: VICTOR BURT.
Director of Communications: DAVID EDELMAN.
Librarian: (vacant).

Number of teachers: 59.
Number of students: 1,185.

Publications: *Catalog, The Magma, The Technocrat.*

MONTANA STATE UNIVERSITY

BOZEMAN, MONTANA 59715
Founded 1893.

President: WILLIAM J. TIETZ.
Vice-President for Administration: THOMAS E. NOPPER (acting).
Vice-President for Academic Affairs: WILLIAM G. WALTER (acting).
Vice-President for Research: T. T. WILLIAMS (interim).
Vice-President for Extension: CARL J. HOFFMAN.
Registrar and Director of Admissions: J. E. FRAZIER.

Number of students: 9,400.

DEANS OF COLLEGES:

Letters and Science: JOHN JUTILA.
Agriculture: J. A. ASLESON.
Education: E. N. RINGO.
Engineering: B. J. BENNETT.
Arts and Architecture: H. C. ROSE.
Graduate Studies: GEORGEANNE CAUGHLAN (acting).
School of Nursing: ANNA M. SHANNON.
School of Business: HARVEY M. LARSON.

NORTHERN MONTANA COLLEGE

HAVRE, MONTANA 59501
Telephone: (406) 265-7821.
Founded 1929.

President: Dr. JAMES H. M. ERICKSON.
Registrar: CHARLES A. NELSON.
Librarian: HERBERT D. SAFFORD.

The library contains 80,000 vols.
Number of teachers: 72.
Number of students: 1,309.

ROCKY MOUNTAIN COLLEGE

1511 POLY DRIVE,
BILLINGS, MONTANA 59102
Telephone: 245-6151.
Founded 1878.

President: Dr. BRUCE T. ALTON.
Academic Dean and Registrar: J. R. TAYLOR.
Librarian: TERRENCE THOMPSON.

The library contains 52,343 volumes.
Number of teachers: 42.
Number of students: 500.

UNIVERSITY OF MONTANA

MISSOULA, MONTANA 59812
Telephone: 243-0211.
Founded 1893.

President: RICHARD C. BOWERS, PH.D.
Academic Vice-President: DONALD HABBE, PH.D.
Vice-President for Fiscal Affairs: A. DALE TOMLINSON, M.S.
Associate Vice-President for Research: RAYMOND C. MURRAY, PH.D.
Director of Admissions and Records: PHILIP T. BAIN, PH.D.
Registrar: EMMA LOMMASSON, M.A.
Dean of Library Service: E. C. THOMPSON, M.L.S.

The library contains 611,694 vols., plus 72,572 U.S. Government documents.

Number of teachers: 400.
Number of students: 8,300.

DEANS:

College of Arts and Sciences: R. SOLBERG, PH.D.
School of Fine Arts: ROBERT KILEY, M.S.
School of Business Administration: PAUL B. BLOMGREN, D.B.A.
Graduate School: RAYMOND C. MURRAY, PH.D.
School of Education: DAVID C. SMITH, PH.D.
School of Forestry: ARNOLD W. BOLLE, D.P.A. (acting).
School of Journalism: W. BRIER, PH.D.
School of Law: R. E. SULLIVAN, J.D.
School of Pharmacy: PHILIP CATALFOMO, PH.D.

ASSOCIATED INSTITUTIONS (*q.v.*):

Eastern Montana College.
Montana College of Mineral Science and Technology.
Montana State University.
Northern Montana College.
Western Montana College.

WESTERN MONTANA COLLEGE

DILLON, MONTANA 59725
Telephone: (406) 683-7011.
Founded 1893.

State control; Academic year: September to June.

President: JAMES E. SHORT.

Registrar: PAUL O. PICTON.
Academic Dean: D. TASH.
Dean of Education: ALAN ZETLER.
Librarian: K. CORY.

Number of teachers: 37.
Number of students: 823.

NEBRASKA

CHADRON STATE COLLEGE

CHADRON, NEBRASKA 69337

Telephone: 432-4451.

Founded 1911.

President: EDWIN C. NELSON.
Registrar: L. FITZGIBBON.
Librarian: Miss RETA KING.

The library contains 105,000 vols.
Number of teachers: 97.
Number of students: 2,000.

CONCORDIA TEACHERS COLLEGE

800 NORTH COLUMBIA AVENUE,
SEWARD, NEBRASKA 68434

Telephone: (402) 643-3651.

Founded 1894.

President: M. J. STELMACHOWICZ.
Registrar: LEEROY HOLTZEN.
Director of Admissions: Dr. E. DUENSING.
Librarian: VIVIAN PETERSON.

The library contains 75,000 vols.
Number of teachers: 100.
Number of students: 1,150.

CREIGHTON UNIVERSITY

OMAHA, NEBRASKA 68178

Telephone: 449-2700.

Founded 1878; Chartered 1879.

Private-Independent, associated with the Society of Jesus.

President: Rev. MATTHEW E. CREIGHTON, S.J., M.A., S.T.L., PH.D.
Vice-President Academic Affairs: Rev. M. MORRISON, S.J., PH.D.
Vice-President for Health Sciences: R. P. HEANEY, M.D.
Vice-President for Student Personnel: JAMES R. DOYLE, M.S.
Vice-President for University Relations: Rev. C. M. REINERT, S.J., A.M., S.T.L.
Vice-President for Finance: W. R JAHN, A.M., C.P.A.
Business Manager: E. D. MURPHY, B.S.C.
Registrar: J. N. WILLIAMS, B.S.
Director of Alumni Library: RAYMOND B. MEANS, M.A.

The library contains 443,464 vols.
Number of teachers: 862.
Number of students: 4,979.

Publications: *The Creighton University Bulletin, The Creightonian, Bluejay, Creighton Law Review, Alumnews.*

DEANS:

Arts and Sciences: WILLIAM F. CUNNINGHAM, Jr., M.A.
Business Administration: J. L. CARRICA, J. D., M.B.A., PH.D.
Dentistry: B. V. VINING, D.D.S.
Graduate: R. V. ANDREWS, PH.D.
Law: R. SHKOLNICK, J.D.
Medicine: J. M. HOLTHAUS, M.D.
Nursing: Sr. ROSALIE SITZMAN, O.S.B., M.S.N., PH.D.
Pharmacy: LOUIS MARTINELLI, PHARM.D., PH.D.
Summer Session: ANNE E. SCHEERER, M.S., PH.D.
Students: JAMES R. DOYLE, M.S.
Women: EILEEN B. LIEBEN, A.M.

DANA COLLEGE

BLAIR, NEBRASKA 68008

Telephone: (402) 426-4101.

Founded 1884.

President: Dr. ROBERT J. GLASS (acting).
Registrar: Dr. VERLAN J. HANSON.
Dean: Dr. CLIFFORD T. HANSON (acting).
Librarian: RONALD D. JOHNSON.

The library contains 98,000 vols.
Number of teachers: 42.
Number of students: 473.

DOANE COLLEGE

CRETE, NEBRASKA 68333

Telephone: (402) 826-2161.

Founded 1872.

President: PHILIP HECKMAN.
Registrar: L. C. OLESON.
Librarian: MARGARET B. SMITH.

The library contains 103,258 vols.
Number of teachers: 45.
Number of students: 636.

HASTINGS COLLEGE

HASTINGS, NEBRASKA 68901

Telephone: 463-2402.

Founded 1882.

President: CLYDE B. MATTERS.
Academic Dean: A. L. LANGVARDT.
Registrar: Dr. DWAYNE STRASHEIM.
Librarian: C. GARDNER.

The library contains 92,000 vols.
Number of teachers: 60.
Number of students: 750.

Publication: *Hastings College Bulletin*† (quarterly).

KEARNEY STATE COLLEGE

KEARNEY, NEBRASKA 68847

Telephone: 236-4141.

Founded 1905.

President: BRENDAN J. MCDONALD PH.D.
Director of Records and Statistics: MONTY NIELSON.
Librarian: RON MARTIN.

The library contains 367,917 volumes.
Number of teachers: 258.
Number of students: 6,126.

MIDLAND LUTHERAN COLLEGE

720 E. 9TH STREET,
FREMONT, NEBRASKA 68025

Telephone: (402) 721-5480.

Founded 1883.

President: L. DALE LUND.
Vice-President for Finance and Treasurer: ELMER B. SASSE.
Vice-President for College Relations and Development: ARNOLD E. LACK.
Vice-President for Academic Affairs: DONALD L. KAHNK.
Vice-President for Student Affairs: C. A. STEYER.
Registrar: L. P. MITCHELL.
Librarian: THOMAS E. BOYLE.

The library contains 79,000 vols.
Number of teachers: 60.
Number of students: 888.

NEBRASKA WESLEYAN UNIVERSITY

50TH AND ST. PAUL,
LINCOLN, NEBRASKA 68504

Telephone: (402) 466-2371.

Founded 1887.

President: JOHN W. WHITE, Jr.
Dean of the College: Dr. PAUL H. LAURSEN.
Registrar: Mrs. IRENE WIEGERS.
Director of Admissions: RON JOHNSON.

The library contains 165,000 vols.
Number of teachers: 89.
Number of students: 1,152.

PERU STATE COLLEGE

PERU, NEBRASKA 68421

Telephone: (402) 872-3815.

Founded 1867.

President: LARRY A. TANGEMAN.
Vice-President for Administration: MICHAEL O. STEWART.
Registrar: KELLY LIEWER.
Librarian: FAYE BRANDT.
Vice-President for Academic Affairs: CLYDE J. BARNETT.
Admissions: RICHARD C. MUTH.

The library contains 85,000 volumes.
Number of teachers: 55.
Number of students: 820.

UNION COLLEGE

3800 SOUTH 48TH STREET,
LINCOLN, NEBRASKA 68506

Telephone: 488-2331

Founded 1891.

President: MYRL O. MANLEY.
Academic Dean: D. L. HUBBARD.
Business Manager: S. O. VARTIJA.
Registrar: ANITA KIDWILER.
Director of College Relations, Development, and Recruitment: MIKE FELLOWS.
Librarian: FLODA SMITH.

The library contains 105,000 vols.
Number of teachers: 53.
Number of students: 923.

UNIVERSITY OF NEBRASKA

LINCOLN, NEBRASKA 68583
Telephone: (402) 472-2111.

President: R. W. Roskens, ph.d.
Executive Vice-President for Academic Affairs: S. B. Sample, ph.d.
Executive Vice-President for Administration: W. C. Erskine, b.a.
Vice-President for Governmental Relations and Corporation Secretary: W. F. Swanson, b.s.

University of Nebraska—Lincoln

Lincoln, Nebraska 68583
Telephone: 472-7211.
Founded 1869.

Chancellor: Roy A. Young, m.s., ph.d.
Vice-Chancellor for Academic Affairs: Ned S. Hedges, m.a., ph.d.
Vice-Chancellor for Business and Finance: Miles Tommerarsen, m.b.a., c.p.a., ph.d.
Vice-Chancellor for Student Affairs: Richard C. Armstrong, ed.d.
Vice-Chancellor for Agriculture and Natural Resources: Martin A. Massengale, m.s., ph.d.
Vice-Chancellor for Research and Graduate Studies: Robert H. Rutford, m.a., ph.d.
Director of Admissions: Al Papik, m.ed.
Dean of Libraries: Gerald A. Rudolph, ph.d.

Library: *see* Libraries.

Number of teachers: 1,244 (full-time).

Number of students: 22,256.

Publications: *Nebraska Law Review, University of Nebraska Studies, News Research Bulletin, Prairie Schooner, University of Nebraska—Lincoln News.*

Deans:

College of Agriculture: T. E. Hartung, ph.d.
College of Architecture: W. C. Steward, b.arch., m.s.
College of Arts and Sciences: Max D. Larsen, m.a., ph.d.
College of Business Administration: Gary Schwendiman, m.s., ph.d.
College of Dentistry: R. E. Bradley, d.d.s.
College of Engineering and Technology: G. P. Hanna, Jr., m.s., ph.d.
College of Home Economics: H. M. Anthony, m.s., ed.d.
Graduate Studies: Henry F. Holtzclaw, Jr., m.s., ph.d.
College of Law: John W. Strong, j.d.
Teachers' College: R. L. Egbert, m.s., ph.d.
Continuing Studies: Quentin H. Gessner, ph.d.

University of Nebraska—Omaha

Omaha, Nebraska 68101
Telephone: (402) 554-2200.
Founded 1908.

Chancellor: Dr. Herbert Garfinkel
Vice-Chancellor for Business and Finance: Gary Carrico, m.b.a.
Director of Admissions: David Harbeck, ph.d.
Registrar: Gardner Van Dyke, ph.d.
Librarian: J. M. Christ, ph.d.

The library contains 330,000 volumes and 250,000 micro materials.

Number of teachers: 800.

Number of students: 15,100.

Publications: *Gateway* (weekly), *Catalogue* (annually).

Deans:

College of Arts and Sciences: John M. Newton, ph.d.
College of Business Administration William V. Muse, ph.d.
College of Education: Edward Dejnozka, ed.d.
College of Graduate Studies: Robert H. Woody, ph.d.
College of Continuing Studies: Robert McCune, ph.d.
College of Home Economics: Mary Hall, ph.d. (Assoc. Dean).
College of Public Affairs and Community Service: John E. Kerrigan, ph.d.

WAYNE STATE COLLEGE

WAYNE, NEBRASKA 68787
Telephone: (402) 375-2200.
Founded 1910.

President: Lyle E. Seymour.
Registrar: Virginia Wright.
Librarian: Jack L. Middendorf.

The library contains 272,000 vols.

Number of teachers: 88.

Number of students: 2,579.

NEVADA

UNIVERSITY OF NEVADA, RENO

RENO, NEVADA 89507
Telephone: Reno, 784-4805.
Founded 1874.

President: Joseph N. Crowley, ph.d.
Vice-President for Business: E. L. Pine, b.s.c.e., p.e., d.e.
Vice-President for Academic Affairs: R. M. Gorrell, ph.d.
Vice-President for University Services: Richard T. Dankworth, ed.d.
Registrar: J. H. Shirley, d.ed.
Librarian: H. G. Morehouse, m.l.s.

The library contains 538,500 vols.

Number of teachers: 613.

Number of students: 8,188.

Publications: *University Catalogue, Summer Sessions Bulletin, Independent Studies Bulletin, Scholarships and Prizes.*

Deans:

College of Agriculture: Dale W. Bohmont, ph.d.
College of Arts and Science: Rebecca Stafford, ph.d.
Extended Programs and Continuing Education: R. T. Dankworth, ed.d. (acting).
College of Education: E. J. Cain, ed.d.
College of Engineering: Charles R. Breese, m.s., p.e.
Graduate School: J. E. Nellor, ph.d.
School of Home Economics: Donna Beth Downer, ph.d.
Mackay School of Mines: Arthur Baker III, ph.d.
School of Medical Sciences: Thomas J. Scully, m.d.
Student Affairs: Roberta J. Barnes, ph.d.
College of Business Administration: Richard E. Hughs, ph.d.
Orvis School of Nursing: Vera Brand, ph.d.

UNIVERSITY OF NEVADA—LAS VEGAS

4505 MARYLAND PARKWAY,
LAS VEGAS, NEVADA 89154
Telephone: (702) 739-3011.
Founded 1957.

President: Dr. Brock Dixon (acting).
Vice-President for Administration: Dr. Brock Dixon.
Vice-President for Academic Affairs: Dr. Arthur Gentile.
Vice-President for Educational Services: Dr. Robert Glennen.
Vice-President for Business Affairs: Herman Westfall.
Dean of Admissions and Records: Miss Muriel Parks.
Registrar: Jeff Halverson.
Director of Admissions: Dr. Robert Stephens.
Librarian: H. H. J. Erickson.

The library contains 350,000 vols. (approx.).

Number of teachers: 371 (full-time), 51 (part-time).

Number of students: 9,200.

Deans:

College of Business and Economics: Dr. G. W. Hardbeck.
College of Hotel Administration: J. J. Vallen.
College of Education: (vacant).
College of Allied Health Professions: Dr. Mary Ann Michel.
College of Arts and Letters: Dr. John Unrue.
College of Science and Mathematics: Dr. Robert B. Smith.
College of Graduate Studies: Dr. Joseph McCullough (acting).
University College: Dr. Robert E. Glennen, Jr.

PROFESSORS:

Abbey, R. D., Art
Adams, C. L., Jr., English
Anderson, R. C., Education
Babero, B. B., Zoology
Baepler, D. H., Biology
Basile, R. E., Hotel Administration
Beals, M. G., Special Education
Bigler, R. M., Political Science
Billingham, E. J., Jr., Chemistry
Boord, R. O., Education
Borsenik, F. D., Hotel Administration
Bradley, W. G., Jr., Biology
Brooks, R., Anthropology
Brooks, S. T., Anthropology
Byrns, R. H., English
Carlson, W. D., Education
Carns, D. E., Sociology
Cassese, T., Education
Clary, D. A., Accounting
Crawford, J. L., Theatre Arts
Deacon, J. E., Biology
DeCock, J., French
Dettre, J., Education
Dixon, B., Political Science
Drakulich, M., Physical Education
Fiero, G. W., Jr., Geology
Finocchiaro, M., Philosophy
Fischer, M. C., Economics
Gentile, A. C., Biology
Glennen, R. E., Jr., Education
Golberg, M. A., Mathematics
Golding, L. A., Physical Education
Goldman, A. S., Mathematics
Graham, M., Mathematics
Hardbeck, G. W., Economics
Harris, P. C., Jr., Theatre Arts
Hendrix, H. H., Education
Hess, H. F., Psychology
Honsa, V., Spanish
Hunt, H. M., Radiologic Technology
Irsfeld, J., English
Jacobi, C. A., Radiologic Technology
Johns, A. C., Political Science
Kavina, G., Education
Kelly, E. J., Special Education
Kirschner, F., Education
Koester, R. A., German
Kuhl, L. W., Theatre Arts
Lindberg, J. D., Foreign Languages
Loveday, P. N., Management
Lovinger, E., Psychology
Malamud, B., Economics
McCauslin, J., Counselor Education
Michel, M. A., Nursing
Murvosh, C. M., Biology
Neumann, R., Accounting
Roske, R. J., History
Samson, G. J., Education
Saville, A., Education
Sciullo, H. A., Marketing
Seidman, L., Business Law
Simmons, A., Economics
Skaggs, R. L., Engineering
Smith, R. B., Chemistry
Stevens, A. W., Humanities
Strahlem, R. E., Accounting
Tarkanian, J., Education
Tarte, R. D., Psychology
Titus, R. L., Chemistry
Trione, V., Education
Tryon, J. G., Engineering
Vergiels, J., Education
Verma, S., Mathematics
Walton, D. C., Philosophy
Warren, C. N., Anthropology
Weinstein, M. A., English
White, W. T., Economics
Yousef, M. K., Biology
Zorn, R. J., History

NEW HAMPSHIRE

DARTMOUTH COLLEGE

HANOVER,
NEW HAMPSHIRE 03755

Founded 1769.

President: Dr. J. G. Kemeny.
Secretary: J. M. McGean, A.B.
Registrar: D. M. Bowen, PH.D.
Director of Admissions: E. T. Chamberlain, Jr., A.M.
Librarian: E. C. Lathem, D.PHIL.

Number of teachers: 430, including 145 professors.

Number of students: 4,700.

DEANS:

College: Ralph N. Manuel, PH.D.
Faculty: L. M. Rieser, Jr., PH.D.
Students: John E. Hanson, ED.D.
Freshmen: Karen J. Blank, M.S.
Medical School: James C. Strickler, M.D.
Thayer School of Engineering: Carl F. Long, D.ENG.
Amos Tuck School of Business Administration: Richard R. West, PH.D.

PROFESSORS:

Alexander, R., M.A., Drama
Allen, R. D., PH.D., Biology
Almy, T. P., M.D., Medicine
Arkowitz, M., PH.D., Mathematics
Arndt, W. W., PH.D., Russian Language and Literature
Baird, J. C., PH.D., Psychology
Baldwin, D. A., PH.D., Government
Baldwin, W. L., PH.D., Economics
Berthold, F., PH.D., D.D., Religion
Bien, P., PH.D., English
Blatman, S., M.D., Maternal and Child Health
Boghosian, V., M.F.A., Art
Boley, F. I., PH.D., Physics
Bond, H. L., PH.D., English
Borison, H. L., PH.D., Pharmacology and Toxicology
Bowen, D. M., PH.D., Chemistry
Bower, R. S., PH.D., Business Economics
Broehl, W. D., Jr., D.B.A., Administration
Brown, E. M., PH.D., Mathematics
Campbell, C. D., PH.D., Economics
Chambers, W. F., PH.D., Anatomy
Christy, R. W., PH.D., Physics
Cleland, R. L., PH.D., Chemistry
Clement, M. O., PH.D., Economics
Colligan, G. A., PH.D., Engineering
Converse, A. O., PH.D., Engineering
Copenhaver, J. H., Jr., PH.D., Biology
Cox, J. M., PH.D., English
Crowell, R. H., PH.D., Mathematics
Daniell, J. R., II, PH.D., History
Davis, K. R., PH.D., Marketing
Davis, W. P., Jr., PH.D., Physics
Decker, R. W., D.SC., Geophysics
DeMaggio, A. E., PH.D., Biology
Dennison, D. S., PH.D., Biology
Dickey, J. S., J.D., Public Affairs
Doenges, N. A., PH.D., Classics
Doney, W. F., Jr., PH.D., Philosophy
Doyle, W. T., PH.D., Physics
Drake, C. L., PH.D., Earth Sciences
Duggan, T. J., PH.D., Philosophy
Elliott, R., PH.D., Psychology
Erdman, H. L., PH.D., Government
Ermenc, J. J., M.S., Engineering
Ferm, V. H., M.D., Anatomy and Embryology
Gaylord, A. T., PH.D., English
Gert, B., PH.D., Philosophy
Gelfant, B. H., PH.D., English
Gilbert, J. J., PH.D., Biology
Gosselin, R. E., M.D., Pharmacology
Gray, C. T., PH.D., Microbiology
Guest, R. H., PH.D., Organizational Behavior
Harbury, H. A., Biochemistry
Harp, E., PH.D., Anthropology
Harris, J. D., PH.D., Physics
Hart, J. P., PH.D., English
Harvey, L. E., PH.D., Romance Languages and Literatures
Heffernan, J. A., PH.D., English
Hennessey, J. W., Jr., Management
Hill, E. G., D.F.A., Drama
Hines, L. G., PH.D., Economics
Hoefnagel, D., M.D., Maternal and Child Health
Holmes, R. T., PH.D., Biology
Hornig, J. F., PH.D., Chemistry
Huggins, E. R., PH.D., Physics
Huke, R. E., PH.D., Geography
Jackson, W. T., PH.D., Biology
Jacobus, J., PH.D., Art
James, H. L., M.A., Speech
Johnson, N. M., PH.D., Earth Sciences
Karl, R. C., M.D., Surgery
Kemeny, J. G., PH.D., Mathematics
Kidder, J. N., PH.D., Physics
Kleck, R. E., PH.D., Psychology
Kreider, D. L., PH.D., Mathematics
Kurtz, T. E., PH.D., Mathematics
Laaspere, T., PH.D., Engineering
Lamperti, J. W., PH.D., Mathematics
Lanzetta, J. T., PH.D., Psychology
Leaton, R. N., PH.D., Psychology
Lemal, D. M., PH.D., Chemistry
Lipowski, Z. J., M.D., Psychiatry
Long, C. F., D.ENG., Engineering
Longnecker, D. S., M.D., Pathology
Loomis, C. C., Jr., PH.D., English
Lubin, M., M.D., Microbiology
Lyons, G. M., PH.D., Government
Lyons, J. B., PH.D., Geology
McCann, F. M., PH.D., Physiology
Macdonald, G. J. F., PH.D., Environmental Studies and Policy
Macdonald, R. M., PH.D., Business Economics
McGee, V. E., PH.D., Applied Statistics
McLane, C. B., PH.D., Government
Malmstrom, V., PH.D., Geography
Mansell, D. L., Jr., PH.D., English
Margolis, G., M.D., Pathology
Masters, R. D., PH.D., Government
Menge, J. A., PH.D., Economics
Morgan, M. G., PH.D., Engineering
Morrissey, L. E., Jr., M.C.S., Accounting
Mudge, G. H., M.D., Medicine
Munck, A. U., PH.D., Physiology
Nichols, S. G., Jr., PH.D., Romance Languages and Literatures
Noda, L. H., PH.D., Biochemistry
Norman, R. Z., PH.D., Mathematics
Nye, R. E., Jr., M.D., Physiology
Oxenhandler, N., PH.D., Romance Languages and Literatures
Paganucci, P. D., J.D., Business Administration
Penner, H. H., PH.D., Religion
Perrin, E. N., M.LIT., English
Pfefferkorn, E. R., Jr., PH.D., Microbiology
Prosser, R. T., PH.D., Mathematics
Pytte, A., PH.D., Physics
Quinn, J. B., PH.D., Business Administration
Radway, L. I., PH.D., Government
Rassias, J. A., DOC., Romance Languages and Literatures
Reiners, W. A., PH.D., Biology
Reynolds, R. C., PH.D., Earth Sciences
Rieser, L. M., PH.D., Physics
Roberts, F. D., PH.D., History

Russell, R. H., PH.D., Romance Languages and Literatures
Schultz, H. T., PH.D., English
Segal, B. E., PH.D., Sociology
Segal, M., PH.D., Economics
Shafer, P. R., PH.D., Chemistry
Sices, D., PH.D., Romance Languages and Literatures
Slesnick, W. B., M.A., Mathematics
Smallwood, F., PH.D., Government
Smith, E. L., PH.D., Biochemistry
Smith, R. P., PH.D., Toxicology
Smith, W. M., PH.D., Psychology
Snapper, E., PH.D., Mathematics
Snell, J. L., PH.D., Mathematics
Soderberg, R. H., PH.D., Chemistry
Sokol, R., PH.D., Sociology
Sonnerup, B. U. O., PH.D., Engineering
Sorenson, G. D., Jr., M.D., Pathology
Spencer, T. A., PH.D., Chemistry
Spiegel, M., PH.D., Biology
Starzinger, V. E., PH.D., Government
Stearns, S. R., M.S., C.E., Engineering
Sterling, R. W., PH.D., Government
Stockmayer, W. H., PH.D., Chemistry
Strickler, J. C., M.D., Medicine
Strohbehn, J. W., PH.D., Engineering
Sullivan, D. G., PH.D., Government
Taylor, G. A., M.S.E.E., A.M., Engineering and Management
Tenney, S. M., M.D., Physiology
Terrie, H. L., Jr., PH.D., English
Tighe, T., PH.D., Psychology
Udy, S. H., Jr., PH.D., Sociology
Valtin, H., M.D., Physiology-Renology
Vargish, T., PH.D., English
Walker, S. J., PH.D., English and Black Studies
Webster, F. E., Jr., PH.D., Business Administration
Whybrow, P. C., M.D., Psychiatry
Wiencke, M. I., PH.D., Classics
Williamson, J. P., D.B., Business Administration
Williamson, R. E., PH.D., Mathematics
Wood, C. T., PH.D., History
Wysocki, M., M.F.A., Art
Zeller, P. R., M.M., Music

KEENE STATE COLLEGE

229 MAIN STREET, KEENE,
NEW HAMPSHIRE 03431
Telephone: 352-1909.
Founded 1909.

President: Leo F. Redfern.
Dean of College: Dr. William E. Whybrew.
Dean of Students: (vacant).
Director of Physical Plant: R. Mallat.
Director of Administration: J. Hobart.
Librarian: Christopher R. Barnes.

The library contains 150,000 vols.

Number of teachers: 157.

Number of students: 2,866.

NEW ENGLAND COLLEGE

HENNIKER,
NEW HAMPSHIRE 03242
Telephone: (603) 428-2211.
Founded 1946.

President: Dr. J. K. Cummiskey.
Vice-President, Academic Affairs: Dr. E. A. Jaffe.
Director of Records: Mary A. Ball.
Director of Financial Affairs: (vacant).
Director, School of Continuing Education: Dr. E. F. Rutledge.
Dean of Admissions: John J. Beaulieu, Jr.
Librarian: Mary K. Wirth.

The library contains 70,000 vols.

Number of teachers: 115.

Number of students: 1,302.

Branch Campus:
Arundel, Sussex, England
Telephone: Arundel 882259.
Founded 1971.

Director: Dr. D. W. Melander.

The library contains 13,000 vols.

Number of teachers: 30.

Number of students: 218.

PLYMOUTH STATE COLLEGE

PLYMOUTH,
NEW HAMPSHIRE 03264
Telephone: (603) 536-1550.
Founded 1870.

President: Kasper C. Marking.
Director of Admissions: C. W. Bailey, Jr.
Librarian: Janice Gallinger.

The library contains 274,000 vols.

Number of teachers: 129.

Number of students: 3,204.

RIVIER COLLEGE

NASHUA,
NEW HAMPSHIRE 03060
Telephone: 888-1311.
Founded 1933.

President: Sister Doris Benoit, P.M., M.A.
Academic Dean: Sister Mary Jane Benoit, P.M., PH.D.
Director of Student Services: Sister Rolande Theroux, M.ED.
Treasurer: Sister Adrienne, P.M., B.A.
Director of Development: Mrs. Tracy Schier, M.A.
Librarian: Sister Albina-Marie, P.M., M.S. IN L.S.

The library contains 86,000 vols.

Number of teachers: 43 full-time, 49 part-time.

Number of students: 561 full-time, 1,160 part-time.

SAINT ANSELM'S COLLEGE

MANCHESTER,
NEW HAMPSHIRE 03102
Telephone: (603) 669-1030.
Founded 1889.

A Liberal Arts College with Baccalaureate programs in Nursing and Criminal Justice.

President: Rev. Brendan P. Donnelly, O.S.B.
Dean of the College: Rev. Peter J. Guerin, O.S.B.
Registrar: Bro. Edward Englund, O.S.B.
Librarian: Mrs. Norma Creaghe.

The library contains 115,091 vols.

Number of teachers: 107 full-time, 35 part-time.

Number of students: 1,884.

UNIVERSITY OF NEW HAMPSHIRE

DURHAM,
NEW HAMPSHIRE 03824
Telephone: (603) 862-1234.

Founded 1866 as New Hampshire College of Agriculture and the Mechanic Arts; became university in 1923. In 1963, the State Colleges at Plymouth and Keene were added as separate campuses of the University System of New Hampshire.

President: Eugene S. Mills, PH.D.
Vice-President for Academic Affairs: Allan A. Spitz, PH.D. (acting).
Vice-President for Budget and Administration: Allan B. Prince, PH.D.
Vice-President for Student Affairs: Richard F. Stevens, M.ED.
Registrar: Stephanie Thomas, M.A.
Librarian: Donald E. Vincent, A.M.L.S., A.M., PH.D.

The library contains 759,104 vols.

Number of teachers: 595.

Number of students: 5,365 men, 5,157 women, total 10,522.

Publications: *Catalog, Bulletin, The Alumnus, UNH Magazine.*

Deans:

College of Life Sciences and Agriculture: L. C. Peirce, PH.D. (acting).
College of Liberal Arts: A. A. Spitz, M.A., PH.D.
College of Engineering and Physical Sciences: R. S. Davis, M.SC., PH.D.
Graduate School: Raymond L. Erickson, M.A., PH.D.
School of Health Studies: Basil J. F. Mott, M.P.A., PH.D.
The Whittemore School of Business and Economics: Charles B. Warden, Jr., PH.D.

NEW JERSEY

CALDWELL COLLEGE

CALDWELL,
NEW JERSEY 07006.
Telephone: (201) 228-4424.
Founded 1939.

President: Sister Anne John O'Loughlin, O.P.
Academic Dean: Sister M. Alice Matthew, O.P.
Registrar: Richard B. Sheahan.
Librarian: Sister M. Margaret Anne, O.P.

The library contains 75,000 volumes.

Number of teachers: 74.

Number of students: 790.

COLLEGE OF SAINT ELIZABETH

CONVENT STATION,
NEW JERSEY 07961
Telephone: (201) 539-1600.

Founded 1899.

President: Sister Elizabeth Ann Maloney.
Director of Admissions: Sister Anne Curley.
Librarian: Sister Marie Rousek.

The library contains 126,448 vols.
Number of teachers: 79.
Number of students: 675.

DON BOSCO COLLEGE

SWARTSWOOD RD., NEWTON,
NEW JERSEY 07860
Telephone: (201) 383-3900.

Founded 1928; primarily for students studying for the priesthood

President: Rev. Francis J. Klauder, ph.d.
Academic Dean: Rev. Kenneth McAlice, m.a.
Treasurer: Rev. Joseph M. Stella, m.a.
Dean of Students: Rev. Donald Delaney, m.a.
Librarian: Rev. P. J. Pascucci, m.l.s.

The library contains 50,000 vols.
Number of teachers: 22.
Number of students: 100.

DREW UNIVERSITY

MADISON, NEW JERSEY 07940
Telephone: (201) 377-3000.

Founded 1866.

President: Paul Hardin.
Vice-President and Treasurer: W. Scott McDonald.
Vice-President for Resources: Karl M. Salathe.
Registrar: B. S. Johnson.
Librarian: A. E. Jones, Jr.

Number of teachers: 185.
Number of students: 2,161.

Publications: *The Drew Gateway, Dissonance.*

Deans:

College of Liberal Arts: Robert K. Ackerman.
Theological School: James E. Kirby.
Graduate School: B. Thompson.

FAIRLEIGH DICKINSON UNIVERSITY

RUTHERFORD,
NEW JERSEY 07070

Founded 1941.

President: Dr. Jerome M. Pollack.
Vice-President for Financial Affairs: Dr. Lowell W. Herron.
Vice-President for Academic Affairs: Dr. Joseph Green.
Vice-President for Governmental Affairs: Dr. John E. Vaughan.

Number of teachers: 1,478.
Number of students: 19,686.

Publications: *The Business Review, The Clearing House, The Dialog, The Literary Review, Teaching English Today.*

Deans:

College of Arts and Sciences (Florham-Madison Campus): Dr. Frederick H. Gaige.
College of Arts and Sciences (Rutherford Campus): Dr. Antoinette M. Anastasia.
College of Business Administration: Dr. Robert C. Sedwick.
School of Dentistry: Dr. Ralph S. Kaslick.
College of Education: Dr. Lewis Jacobs (acting).
College of Liberal Arts (Teaneck-Hackensack Campus): Dr. Harriett Spagnoli.
College of Science and Engineering: Dr. Wallace Arthur.

The University has campuses at Madison, N.J. 07940; Rutherford, N.J. 07070; Teaneck, N.J. 07666; St. Croix, U.S. Virgin Islands; and Wroxton, Oxon., England.

GLASSBORO STATE COLLEGE

GLASSBORO, NEW JERSEY 08028
Telephone: 445-5000.

Founded 1923.

President: Mark M. Chamberlain.
Vice-President for Academic Affairs: Lawson J. Brown.
Registrar: Rudolph Salati.
Librarian: Dr. Sandor Szilassy.

The library contains 300,000 vols.
Number of teachers: 396.
Number of students: 5,087 full-time, 4,244 part-time.

INSTITUTE FOR ADVANCED STUDY

OLDEN LANE, PRINCETON,
NEW JERSEY 08540
Telephone: (609) 924-4400.

Founded 1930 for post-doctoral research in the fields of mathematics, theoretical physics, historical studies and social sciences.

Private control; Academic year: September to April (two terms).

President of the Corporation: J. Richardson Dilworth.
Chairman of the Board of Trustees: Howard C. Petersen.
Director: H. Woolf, ph.d.
Secretary: John Hunt.
Librarian: Lily B. Agar.

The library contains 80,000 vols.
Number of professors: 22.
Number of visitors: approx. 160.

Publications (jointly with Princeton University): *Annals of Mathematics, Annals of Mathematics Studies, Princeton Mathematical Series.*

Faculty.

School of Historical Studies:
Clagett, M.
Elliott, J.
Gilliam, J. F.
Habicht, C.
Lavin, I.
Setton, K.
White, M. G.

School of Mathematics:
Bombieri, E.
Borel, A.
Harish-Chandra, f.r.s.
Langlands, R.
Milnor, J. H.
Montgomery, D.
Selberg, A.

School of Natural Sciences:
Adler, S.
Bahcall, J. N.
Dashen, R.
Dyson, F. J.
Regge, T.
Rosenbluth, M.

School of Social Sciences:
Geertz, C.
Hirschman, A. O.

JERSEY CITY STATE COLLEGE

2039 KENNEDY BOULEVARD,
JERSEY CITY, NEW JERSEY 07305
Telephone: (201) 547-6000.

Founded 1927.

President: William J. Maxwell.
Registrar: P. La Roche.
Director of Admissions: W. J. Henry,
Chairman of Department of Library Services: R. Nugent.

The library contains 150,000 volumes.
Number of teachers: 345.
Number of students: 10,372 (*c.* 5,000 full-time).

KEAN COLLEGE OF NEW JERSEY

MORRIS AVE., UNION,
NEW JERSEY 07083
Telephone: (201) 527-2000.

Founded 1855 as Newark State College; name changed 1973; College of Liberal Arts and Sciences offering Baccalaureate and masters degrees in applied disciplines, professional education and liberal arts.

President: Dr. Nathan Weiss.
Academic Vice-President: Dr. Lawrence Dorr.
Administrative Vice-President: John Korley.
Dean of Students: Dr. James Parks.

The library contains 195,000 vols.
Number of teachers: 449.
Number of students: 13,748.

MONMOUTH COLLEGE

WEST LONG BRANCH
NEW JERSEY 07764
Telephone: (201) 222-6600.

Founded 1933. An independent, co-educational, non-sectarian, comprehensive college.

President: Richard J. Stonesifer.
Vice-President for Academic Affairs and Dean of Faculty: Robert S. Rouse.
Director of Admissions: Robert W. Jones.
Librarian: R. F. Van Benthuysen.

The library contains over 200,000 vols.

Number of teachers: over 200 full-time and part-time.

Number of students: 3,900 undergraduate, graduate.

MONTCLAIR STATE COLLEGE

UPPER MONTCLAIR,
NEW JERSEY 07043
Telephone: (201) 893-4000.

Founded 1908. Liberal arts and professional studies.

President: Dr. David W. D. Dickson.
Vice-President for Academic Affairs: Dr. Irwin H. Gawley, Jr.
Vice-President, Administration and Finance: Dr. Elliot I. Mininberg.
Librarian: Mrs. Blanche W. Haller.

The library contains 600,000 vols. and microfilms.

Number of teachers: 500.

Number of students: 15,000.

NEW JERSEY INSTITUTE OF TECHNOLOGY

323 HIGH STREET,
NEWARK, NEW JERSEY 07102
Founded 1881.

President: Saul Fenster, M.S., PH.D.

Number of teachers: 240; part-time 100.

Number of students: 5,000.

Publications: *Bulletins, Programmes*

Heads of Departments:

Industrial and Management Engineering: J. L. Rigassio, M.ENG.
Organizational and Social Sciences: R. B. Helfgott, M.A., PH.D.
Civil and Environmental Engineering: E. B. Golub, M.S., PH.D.
Chemical Engineering and Chemistry: D. Hanesian, M.S., PH.D.
Electrical Engineering: J. J. Strano, M.S., PH.D.
Mechanical Engineering: L. Bryce Andersen, M.S., PH.D. (acting).
Computer Science: G. Moshos, M.S., PH.D.
Humanities: J. P. Pattinson, M.A., PH.D.
Mathematics: H. Zatzkis, M.S., PH.D.
Physics: Leonard M. Salzarulo, M.S., PH.D.
Aerospace Studies: Col. R. S. Van Brunt, M.S.
Architecture: H. E. Thompson, M.ARCH

PRINCETON UNIVERSITY

PRINCETON,
NEW JERSEY 08540
Telephone: 452-3000.
Telegraphic Address: Princeton, N.J.

Founded 1746 as the College of New Jersey, became Princeton University 1896.

Academic year: September to May.

President: William G. Bowen, PH.D.
Provost: N. L. Rudenstine, PH.D.
Financial Vice-President and Treasurer: C. W. Schafer, B.A.
Vice-President for Development: H. E. Bessire, A.B.
Vice-President for Public Affairs: W. H. Weathersby, B.S.
Vice-President for Administrative Affairs: A. J. Maruca, A.B.
Vice-President for Facilities: J. P. Moran, B.S.E., A.I.A.
Secretary: T. H. Wright, Jr., A.B., J.D.
Controller: R. J. Clark, B.B.A.
Registrar: B. Finnie, PH.D.
Librarian: D. W. Koepp.

Library: *see* Libraries.

Number of teachers: 677 full-time.

Number of students: 4,482 undergraduates and 1,405 graduates.

Publications: *Annals of Mathematics* (6 a year), *Library Chronicle, Population Index* (quarterly), *Princeton Weekly Bulletin, Record of the Art Museum*† (2 a year), *University: A Princeton Quarterly, World Politics* (quarterly). Publ. by Princeton University Press: *Philosophy and Public Affairs* (quarterly), *Princeton Alumni Weekly*.)

Deans:

Faculty: A. Lemonick, PH.D.
College: J. S. Girgus, PH.D.
Student Affairs: J. A. Brown, ED.M. (acting).
Graduate School: N. G. Garsoian, PH.D.
School of Engineering and Applied Science: R. G. Jahn, PH.D.
Director of Admission: T. C. Callard, M.A.
Woodrow Wilson School of Public and International Affairs: D. E. Stokes, PH.D.
School of Architecture and Urban Planning: R. L. Geddes, M.ARCH.

Directors:

Observatory: L. Spitzer, Jr., PH.D.
Industrial Relations Section: A. Rees, PH.D.
Art Museum: P. C. Bunnell, M.F.A.
Plasma Physics Laboratory: M. B. Gottlieb, PH.D.
Index of Christian Art: Rosalie B. Green, PH.D.
International Finance Section: P. B. Kenen, PH.D.
Shelby Cullom Davis Center for Historical Studies: L. Stone, M.A.
Center of International Studies: C. E. Black, PH.D.
Research Center for Urban and Environmental Planning: C. Rapkin, PH.D.
University Research Board: R. M. May, PH.D.
University Health Services: L. A. Pyle, M.D.
Office of Population Research: C. W. Westoff, PH.D.
Econometric Research Program: G. C. Chow, PH.D.
Center of Environmental Studies: I. Glassman, D.ENG.
Financial Research Center: B. G. Malkiel, PH.D.

Professors:

Aarsleff, H. C., PH.D., English
Allen, L. C., PH.D., Chemistry
Almgren, F. J., PH.D., Mathematics
Anderson, P. W., PH.D., Physics
Andres, R. P., PH.D., Chemical Engineering
Arden, B., PH.D., Electrical Engineering
Ashby, P. H., PH.D., Religion
Ashenfelter, O. C., PH.D., Economics
Atkins, S. D., PH.D., Classics
Axtmann, R. C., PH.D., Chemical Engineering
Babbitt, M. B., M.F.A., Music
Barnhart, R. M., PH.D., Art and Archaeology
Baumol, W. J., PH.D., Economics
Benacerraf, P., PH.D., Philosophy
Berger, M., PH.D., Sociology
Berry, C. H., PH.D., Economics and Public Affairs
Bienen, H. S., PH.D., Politics and International Affairs
Bienkowski, G. K., PH.D., Aerospace and Mechanical Sciences
Billington, D. P., B.SE., Civil Engineering
Black, C. E., PH.D., History
Blum, J., PH.D., History
Bogdonoff, S. M., M.S.E., Aeronautical Engineering
Bonini, W. E., PH.D., Geophysics and Geological Engineering
Bonner, J. T., PH.D., Biology
Bowen, W. G., PH.D., Economics and Public Affairs
Bradford, D. F., PH.D., Economics and Public Affairs
Branson, W. H., PH.D., Economics and International Affairs
Bressler, M., PH.D., Sociology
Brombert, V. H., PH.D., Romance Languages and Literatures and Comparative Literature
Browder, W., PH.D., Mathematics
Brown, C. F., Jr., PH.D., Comparative Literature
Brown, L. C., PH.D., Near Eastern Studies
Burgi, R. T., PH.D., Slavic Languages and Literatures
Cakmak, A. S., PH.D., Civil Engineering
Callan, C. G., PH.D., Physics
Campbell, B. A., PH.D., Psychology
Carver, T. R., PH.D., Physics
Challener, R. D., PH.D., History
Ch'en, T.-T., PH.D., East Asian Studies
Cheng, S. I., PH.D., Aeronautical Engineering
Chow, G. C., PH.D., Economics
Coale, A. J., PH.D., Economics and Public Affairs
Coffin, D. R., M.F.A., PH.D., Art and Archæology
Cone, E. T., M.F.A., Music
Connor, W. R., PH.D., Classics
Cox, E. C., PH.D., Biology
Curschmann, M. J. H., DR.PHIL., Germanic Languages
Curtiss, H. C., Jr., PH.D., Aerospace and Mechanical Sciences
Danielson, M. N., PH.D., Politics and Public Affairs
Darley, J. M., PH.D., Psychology
Darnton, R. C., D.PHIL., History
Davies, H. M., PH.D., D.D., Religion
Davis, N. Z., PH.D., History
Deffeyes, K. S., PH.D., Geological and Geophysical Sciences

Diamond, M. L., ph.d., Religion
Dicke ,R. H., ph.d., Physics
Doig, J. W., ph.d., Politics and Public Affairs
Dowell, E. H., d.sc., Aerospace and Mechanical Sciences
Drewry, H. N., m.a., History
Durbin, E. J., m.s., Aerospace and Mechanical Sciences
Dwork, B. M., ph.d., Mathematics
Eckstein, H. H., ph.d., Politics
Eringen, A. C., ph.d., Aerospace and Mechanical Sciences
Ermolaev, H., ph.d., Slavic Languages and Literatures
Fagles, R., ph.d., Comparative Literature and Humanities
Falk, R. A., j.s.d., International Law, Politics, and International Affairs
Fefferman, C., ph.d., Mathematics
Fernandez, J. W., ph.d., Anthropology
Fischer, A. G., ph.d., Geology
Fitch, V. L., ph.d., Physics
Fleming, J. V., ph.d., English and Comparative Literature
Fong, W. C., ph.d., Art and Archaeology
Forcione, A. K., ph.d., Romance Languages and Literatures and Comparative Literature
Frank, J. N., ph.d., Comparative Literature
Frede, M., ph.d., Philosophy
Freedman, R. W. B., ph.d., Comparative Literature
Fresco, J. R., ph.d., Life Sciences
Frieman, E. A., ph.d., Astrophysical Sciences
Furley, D. J., m.a., Classics
Furth, H. P., ph.d., Astrophysical Sciences
Garsoian, N. G., ph.d., History and Near Eastern Studies
Garvey, G., ph.d., Politics
Geddes, R. L., m.arch., Architecture and Urban Planning
Geertz, H., ph.d., Anthropology
Gillham, J. J., ph.d., Chemical Engineering
Gillispie, C. C., ph.d., History
Gilpin, R. G., ph.d., Politics and International Affairs
Gilvarg, C., ph.d., Biochemical Sciences
Girgus, J. S., ph.d., Psychology
Glassman, I., d.eng., Aerospace Sciences
Glucksberg, S., ph.d., Psychology
Goldberger, M. L., ph.d., Physics
Goldfeld, S. M., ph.d., Economics
Goldman, E. F., ph.d., History
Goldman, M. P., ph.d., English
Gordenker, L., ph.d., Politics
Gossman, J. L., d.phil., Romance Languages and Literatures
Gottlieb, M. B., ph.d., Astrophysical Sciences
Graham, D., m.s.e., Aeronautical Engineering
Graves, M., m.arch., Architecture and Urban Planning
Green, R. B., ph.d., Art and Archaeology
Greenstein, F. I., ph.d., Politics
Gross, C. G., ph.d., Psychology
Gross, D. J., ph.d., Physics
Gunning, R. C., ph.d., Mathematics
Halpern, M., ph.d., Politics
Hama, F. R., d.sc., Aerospace and Mechanical Sciences
Hanson, A. J., ph.d., Classics and Comparative Literature
Hargraves, R. B., ph.d., Geological and Geophysical Sciences
Harman, G. H., ph.d., Philosophy
Hayes, W. D., ph.d., Aerospace Sciences
Hazen, D. C., m.s.e., Aeronautical Engineering
Hazony, Y., ph.d., Civil Engineering
Hoebel, B. G., ph.d., Psychology
Hoffmann, L-F., ph.d., Romance Languages
Hollander, R. B., Jr., ph.d., European and Comparative Literature
Hollister, L. S., ph.d., Geological and Geophysical Sciences
Hoog, A., ag. de l'univ., French Literature
Hopfield, J. J., ph.d., Physics
Hsiang, W.-C., ph.d., Mathematics
Hunt, G. A., ph.d., Mathematics
Hunter, J. S., ph.d., Civil Engineering
Hunter, S., a.b., Art and Archaeology
Hynes, S., ph.d., Literature
Irby, J. E., ph.d., Romance Languages and Literatures
Issawi, C., m.a., Near Eastern Studies
Itzkowitz, N., ph.d., Near Eastern Studies
Iwasawa, K., d.sc., Mathematics
Jacobs, W. P., ph.d., Biology
Jaffee, D. M., ph.d., Economics
Jahn, R. G., ph.d., Aerospace Sciences
Jansen, M. B., ph.d., History and East Asian Studies
Jeffrey, R., ph.d., Philosophy
Johnson, E. F., ph.d., Chemical Engineering
Johnson, W. C., e.e., Electrical Engineering
Jones, E. E., ph.d., Psychology
Jones, M., ph.d., Chemistry
Judson, S., ph.d., Geology
Kamin, L. J., ph.d., Psychology
Kao, Y. K., ph.d., East Asian Studies
Katz, N. M., ph.d., Mathematics
Kaufmann, W., ph.d., Philosophy
Kauzmann, W. J., ph.d., Chemistry
Kaw, P. K., ph.d., Astrophysical Sciences
Keaney, J. J., ph.d., Classics
Keeley, E. L., ph.d., English and Creative Arts
Keller, S., ph.d.. Sociology
Kelley, S., ph.d., Politics
Kenen, P. B., ph.d., Economics and International Finance
Kernan, A. B., ph.d., English
Kerr, A. D., ph.d., Civil Engineering
Kinchla, R. A., ph.d., Psychology
King, E. L., ph.d., Spanish
Knapp, J. M., m.a., Music
Knorr, K., ll.b., ph.d., Public Affairs
Koch, R. A., ph.d., Art and Archaeology
Kochen, S. B., ph.d., Mathematics
Kohn, J. J., ph.d., Mathematics
Kostin, M. D., ph.d., Chemical Engineering
Kripke, S., b.a., Philosophy
Kruskal, M. D., ph.d., Astrophysical Sciences
Kuenne,R. E., b.j., ph.d., Economics
Kuhn, H. W., ph.d., Mathematical Economics
Kuhn, T. S., ph.d., History of Science
Kulsrud, R. M., ph.d., Astrophysical Sciences
Lam, S.-H., ph.d., Aerospace Sciences
Laurie, V. W., ph.d., Chemistry
Lee, P. C. Y., ph.d., Civil Engineering
Lemonick, A., ph.d., Physics
Levine, A. J., ph.d., Biochemical Sciences
Levy, K., ph.d., Music
Levy, M. J., Jr., ph.d., Sociology and International Affairs
Lewis, B., ph.d., Near Eastern Studies
Lewis ,D. K., ph.d., Philosophy
Lewis, J. P., m.p.a., ph.d., Economics and International Affairs
Lewis, W. A., ph.d., litt.d., l.h.d., ll.d., Economics and International Affairs
Licklider, H., m.f.a., Architecture and Urban Planning
Lieb, E. H., ph.d., Mathematics
Link, A. S., ph.d., History
Lion, P. M., m.s.e., m.a., Civil Engineering
Lipking, L. I., ph.d., English and Comparative Literature
Lisk, R. D., ph.d., Biology
Litz, A. W., Jr., d.phil., Belles-Lettres
Liu, B., d.e.e., Electrical Engineering
Liu, J. T. C., ph.d., East Asian Studies and History
Lo, A. W., ph.d., Electrical Engineering
Lockard, W. D., ph.d., Politics
Lockwood. L. H., m.f.a., ph.d., Music
Luce, T. J., Jr., ph.d., Latin Language and Literature
Luchak, G., ph.d., Civil Engineering
Ludwig, R. M., ph.d., English
Mach, R., ph.d., Near Eastern Studies
Malkiel, B. G., ph.d., Economics
Maman, A., ph.d., Romance Languages and Literatures
Mark, P., ph.d., Electrical Engineering
Mark, R., c.e., Civil Engineering, Architecture
Martin, J. R., m.f.a., ph.d., Art and Archaeology
Mather, N. N., ph.d., Mathematics
Mather, N. W., m.s.e., Electrical Engineering
Maxwell, B., m.s.e., Chemical Engineering for Polymer Studies
May, R. M., ph.d., Biology
Mayer, A. J., ph.d., History
McClure, D. S., ph.d., Chemistry
McPherson, J. M., ph.d., History
Mellor, G. L., sc.d., Mechanics
Miller, H. K., ph.d., English
Mills, E. S., ph.d., Urban Studies and Economics
Mills, R. G., ph.d., Chemical Engineering
Miner, E., ph.d., English and Comparative Literature
Mislow, K., ph.d., Chemistry
Moore, J. C., ph.d., Mathematics
Morgan, W. J., ph.d., Geological and Geophysical Sciences
Mote, F. W., ph.d., East Asian Studies
Moulton, W. G., ph.d., Linguistics
Murphy, W. F., ph.d., Politics
Nagel, T., ph.d., Philosophy
Naumann, R. A., ph.d., Chemistry and Physics
Nelson, E., ph.d., Mathematics
Nollner, W. L., m.a., f.t.c.l., Music
Notterman, J. M., ph.d., Psychology
Oates, W. E., ph.d., Economics
Oberman, C. R., ph.d., Astrophysical Sciences
O'Neill, G. K., ph.d., Physics
Ostriker, J. P., ph.d., Astrophysical Sciences
Pavlidis, T., ph.d., Electrical Engineering
Peebles, P. J. E., ph.d., Physics
Perkins, C. D., m.s.a.e., Aerospace and Mechanical Sciences
Perkins, F. W., Jr., ph.d., Astrophysical Sciences
Phinney, R. A., ph.d., Geological and Geophysical Sciences
Pinder, G. F., ph.d., Civil Engineering
Piroué, P. A., ph.d., Physics
Pitcher, G. W., ph.d., Philosophy
Plummer, J. H., ph.d., Art and Archaeology
Porkolab, M., ph.d., Astrophysical Sciences
Powers, H. S., ph.d., Music
Quandt, R. E., ph.d., Economics
Rabb, T. K., ph.d., History
Ramsey, R. P., ph.d., Religion
Randall , J. K., m.f.a., Music
Rapkin, C., h .d., Architecture and Urban Planning
Rees, A., ph.d., Economics and Public Affairs
Reynolds, G. T., ph.d., Physics
Robertson, D. W., Jr., ph.d., English

Roche, T. P., Jr., Ph.D., English
Rogerson, J. B., Jr., Ph.D., Astrophysical Sciences
Rorty, R. M., Ph.D., Philosophy
Rosen, L., J.D., Ph.D., Anthropology
Royce, B. S. H., Ph.D., Aerospace and Mechanical Sciences
Rudenstine, N. L., Ph.D., English
Rutherford, P. H., Ph.D., Astrophysical Sciences
Ryder, N. B., Ph.D., Sociology
Ryskamp, C. A., Ph.D., English
Saville, D. A., Ph.D., Chemical Engineering
Scanlan, R., Ph.D., Dr. ès Sci., Civil Engineering
Scanlon, T. M., Jr., Ph.D., Philosophy
Schmid, W. E., Dr.techn. sc., Civil Engineering
Schorske, C. E., Ph.D., History
Schowalter, W. R., Ph.D., Chemical Engineering
Schwartz, S. C., Ph.D., Electrical Engineering
Schwarzschild, M., Ph.D., Astronomy
Seltzer, D., Ph.D., English
Shellman, W. F., Jr., M.F.A., Architecture and Urban Planning
Sherr, R., Ph.D., Physics
Shimura, G., Sc.D., Mathematics
Shoemaker, F. C., Ph.D., Physics
Sigmund, P. E., Ph.D., Politics
Simon, Barry, Ph.D., Physics
Sirignano, W. A., Ph.D., Aerospace and Mechanical Sciences
Smith, J. W., Ph.D., Philosophy
Smoluchowski, R., Ph.D., Solid State Sciences
Socolow, R. H., Ph.D.
Sollenberger, N. J., M.S.C.E., Civil Engineering
Somers, H. M., Ph.D., Politics and Public Affairs
Sonnenfeld, A., Ph.D., French Literature and Comparative Literature
Sonnenschein, H., Ph.D., Economics
Spencer, D. C., Sc.D., Mathematics
Spies, C. C., M.A., Music
Spiro, T. G., Ph.D., Chemistry
Spitzer, L., Jr., Ph.D., Astrophysical Sciences
Steiglitz, K., D.Sc., Electrical Engineering
Stein, E. M., Ph.D., Mathematics
Stein, S. J., Ph.D., History
Steinberg, M., Ph.D., Biology
Stix, T. H., Ph.D., Astrophysical Sciences
Stokes, D. E., Ph.D., Politics and Public Affairs
Stone, L., M.A., History
Sullivan, E. D., Ph.D., French and Comparative Literature
Summerfield, M., Ph.D., Aeronautical Engineering
Surber, W. H., Jr., Ph.D., Electrical Engineering
Szathmary, A., Ph.D., Philosophy
Taylor, E. C., Ph.D., Chemistry
Thomas, J. B., Ph.D., Electrical Engineering
Thompson, D. F., Ph.D., Politics
Thurston, W. P., Ph.D., Mathematics
Tignor, R. L., Ph.D., History
Toner, R. K., Ph.D., Chemical Engineering
Townsend, C. E., Ph.D., Slavic Languages and Literatures
Treiman, S. B., Ph.D., Theoretical Physics
Trotter, H. F., Ph.D., Mathematics
Tucker, R. C., Ph.D., Politics
Tukey, J. W., Ph.D., Statistics
Tumin, M. M., Ph.D., Sociology and Anthropology
Udovitch, A. L., Ph.D., Near Eastern Studies
Uitti, K. D., Ph.D., Romance Languages
Ullman, J. D., Ph.D., Electrical Engineering
Vallhonrat, C. E., M.Arch., Architecture and Urban Planning
Van Houten, F. B., Ph.D., Geology
Von Goeler, S. E., Dr.rer.nat., Astrophysical Sciences
Wallace, W. L., Ph.D., Sociology
Washnitzer, G., Ph.D., Mathematics
Watson, G. S., Ph.D., D.Sc., Statistics
Weiss, T. R., M.A., Litt.D., English and Creative Writing
Westergaard, P. T., M.F.A., Music
Westoff, C. F., Ph.D., Sociology
White, M. G., Ph.D. Physics
Wightman, A. S., Ph.D., Mathematical Physics
Wilkinson, D. T., Ph.D., Physics
Wilson, J. F., Th.D., Religion
Wilson, M. D., Ph.D., Philosophy
Wolin, S. S., Ph.D., Politics
Wolpert, J., Ph.D., Geography, Public Affairs and Urban Planning
Wortman, R. S., Ph.D., History
Ziolkowski, T. J., Ph.D., Germanic Languages and Literatures and Comparative Literature

RIDER COLLEGE

P.O. BOX 6400,
LAWRENCEVILLE,
NEW JERSEY 08648
Telephone: (609) 896-0800.
Founded 1865.

President: Dr. Frank N. Elliott.
Vice-President for Academic Affairs and Provost: Dr. Jerry Wayne Brown.
Vice-President for Business and Finance and Treasurer: William M. Dempsey.
Director of Admissions: Earl L. Davis.
Librarian: T. Epstein.

The library contains 280,000 vols.
Number of teachers: 195.
Number of students: 3,250.

RUTGERS UNIVERSITY

NEW BRUNSWICK,
NEW JERSEY 08903

Founded as Queen's College by Royal Charter 1766, name changed to Rutgers College 1825, Rutgers University 1924. Designated by legislature as State University of New Jersey 1945.

Academic year: September-June.

President: Edward J. Bloustein, Ph.D.
Executive Vice-President: Henry R. Winkler, Ph.D.
Senior Vice-President and Treasurer: Joseph C. O'Connell, B.S.
Secretary: Jean W. Sidar, A.M.
New Brunswick Area Provost: Kenneth W. Wheeler, Ph.D.
Newark Campus Provost: James E. Young, Ph.D.
Camden Campus Provost: Russell N. Fairbanks, LL.B.

Library: *see* Libraries.
Number of teachers: 2,200.
Number of students: 46,306.

Publications: *Rutgers Law Review, Alcohol Treatment Digest, Quarterly Journal of Studies on Alcohol, Library Journal, Museum Bulletin, Trans-Action.*

Deans:

New Brunswick Campus

Rutgers College: R. Weidner (acting).
Cook College: G. F. Walton.
Douglass College: Jewel Cobb.
Education: Mary Kievit (acting).
Engineering: Ellis H. Dill.
Graduate School: K. G. Wolfson.
Livingston College: W. R. Jenkins (acting).
Pharmacy: R. Bowers.
Social Work: M. Dinerman (acting).
University College: N. Pallone.
University Extension: G. Tapper (acting).
Summer Session: A. A. Austen.
Library Service: T. Mott.
Applied Professional Psychology: D. R. Peterson.
Creative and Performing Arts: J. Bettenbender (acting).

Camden Campus

Arts and Sciences: W. K. Gordon.
Law: R. N. Fairbanks.

Newark Campus

Arts and Sciences: N. Samuels.
Business Administration: H. J. DePodwin.
Law: P. Simmons.
Nursing: Beverley H. Bowns.
Criminal Justice: D. M. Gottfredson.
Graduate Faculty of Rutgers-Newark: G. S. Panson.

SAINT PETER'S COLLEGE

JERSEY CITY,
NEW JERSEY 07306
Founded 1872.

President: Rev. Edward Glynn, S.J.
Chief Academic Officer: James A. Pegolotti, Ph.D.
Registrar: Patrick R. Forte, M.A.
Library Director: Richard D. Tetreau, Ph.D., M.L.S.

The library contains 200,000 vols.
Number of teachers: 135 full-time, 220 part-time.
Number of students: 4,700.

SETON HALL UNIVERSITY

SOUTH ORANGE,
NEW JERSEY 07079
Founded 1856.

President: Robert T. Conley.
Vice-Presidents: R. J. De Value, B.S. (Business Affairs), P. Mitchell, Ph.D. (Academic Affairs).
University Librarian: Rev. Mgr. W. N. Field, M.L.S.

Number of teachers: 343 full-time, 225 part-time.

Number of students: 5,764 men, 4,138 women, total 9,902.

Publications: *Chimaera, Spirit, Journal of the School of Business, The Setonian, The Galleon* (year book), *The Hallmark, News* (Alumni), *Setonotes.*

DEANS:

College of Arts and Sciences: N. DE PROSPO, PH.D.

School of Education: J. H. CALLAN, D.ED.

College of Nursing: Sister AGNES REINKEMEYER, S.S.M., PH.D.

School of Business Administration: EDWARD MAZZE, PH.D.

School of Law: J. X. IRVING, LL.B.

Graduate Division: PAUL BUONAGURO, PH.D.

STEVENS INSTITUTE OF TECHNOLOGY

HOBOKEN, NEW JERSEY 07030

Founded 1870.

President: KENNETH C. ROGERS.
Secretary: DAVID N. BARUS.
Treasurer: R. A. HAND.
Provost: L. Z. POLLARA.
Dean of the College: E. A. FRIEDMAN.
Dean of Graduate Studies: J. FAJANS.
Dean of Student Affairs: R. E. EVERSEN.
Dean of Research: I. R. EHRLICH.
Librarian: RICHARD P. WIDDICOMBE.

The library contains 84,000 vols.

Number of teachers: 130.
Number of students: 2,300.
Publication: *The Indicator.*

TRENTON STATE COLLEGE

TRENTON, NEW JERSEY 08625

Founded 1855.

President: CLAYTON R. BROWER, ED.D.
Executive Vice-President and Provost: GORDON I. GOAVEY, MUS.A.D.
Vice-President for Academic Affairs: SHELDON HALPERN, PH.D.
Vice-President for Administration and Finance: P. L. MILLS, B.A.
Dean of Students: J. PADDACK, PH.D.
Dean of Arts and Sciences: Dr. W. C. CURRY, PH.D.
Dean of Education: (vacant).
Registrar: M. W. HUTTON, M.A.
Librarian: PAUL Z. DUBOIS, PH.D.

The library contains 300,000 vols.

Number of teachers: 395.
Number of students: 7,000 full-time, 4,000 part-time.

UPSALA COLLEGE

EAST ORANGE,
NEW JERSEY 07019
Telephone: (201) 266-7000.

Founded 1893.

President: RODNEY FELDER, ED.D.
Dean of College: RHODA G. FREEMAN, PH.D.
Vice-President for Finance and Treasurer: WILLIAM H. WALTON, C.P.A.
Director of College Relations: GEORGE A. FENWICK, A.B.
Dean of Students: AARON G. NIERENBERG, ED.D.
Director of Admissions: BARRY E. ABRAMS, M.A.
Librarian: THELMA E. REID, B.L.S. (acting).

The library contains 142,039 vols.

Number of teachers: 70 full-time.
Number of students: 1,243.

WESTMINSTER CHOIR COLLEGE

PRINCETON, NEW JERSEY 08540
Telephone: (609) 921-7100.

Founded 1926.

President: Dr. RAY E. ROBINSON.
Dean of College: Dr. CHARLES SCHISLER.
Registrar: Dr. PETER D. WRIGHT.
Librarian: JOHN PECK.

The library contains 30,000 vols.; there is also a choral library with 3,000 titles and 250,000 copies.

Number of teachers: 65.
Number of students: 481.

WILLIAM PATERSON COLLEGE OF NEW JERSEY

300 POMPTON ROAD,
WAYNE, NEW JERSEY 07470
Telephone: (201) 595-2000.

Founded 1855.

President: Dr. SEYMOUR C. HYMAN.
Vice-President for Academic Affairs: Dr. JOHN MAHONEY.
Vice-President for Administration and Finance: F. J. ZANFINO.
Registrar: V. CARRANO.
Librarian: Dr. ROBERT GOLDBERG.

The library contains 270,726 vols.

Number of teachers: 393 (full-time).
Number of students: 11,997.

Publications: *WPC Quarterly, Report* (5 a year).

DEANS:

Science: Dr. A. SHINN.
Humanities: Dr. R. ATNALLY.
Fine and Performing Arts: Dr. J. LUDWIG.
Education and Community Services: Dr. T. PROVO.
Social Science: Dr. M. WEIL.
Management: Dr. B. HAROIAN.
Nursing and Allied Health: Dr. S. HAWES.
Freshman Studies: Dr. M. KARP.
Educational Services: D. BACCOLLO.
Student Services: Dr. S. SILAS.
Graduate Studies: Dr. M. A. ELWELL.

NEW MEXICO

COLLEGE OF SANTA FE

ST. MICHAEL'S DRIVE,
SANTA FE, NEW MEXICO 87501
Telephone: 982-6011.

Founded 1947.

President: Bro. CYPRIAN LUKE, F.S.C.
Registrar: Bro. J. M. MILLER, F.S.C.
Librarian: Bro. BRENDAN, F.S.C.

The library contains 70,000 volumes.

Number of teachers: 82.
Number of students: 1,185.

EASTERN NEW MEXICO UNIVERSITY

PORTALES, NEW MEXICO 88130
Telephone: 562-1011.

Founded 1934.

President: WARREN B. ARMSTRONG.
Executive Vice-President for Academic Affairs and Administration: GORDON R. BOPP.
Registrar: JOE GARCIA.
Dean of Admissions and Records: ELDON WALKER.
Librarian: PEGGY TOZER (acting).

The library contains 285,000 vols.

Number of teachers: 175.
Number of students: 4,100.

NEW MEXICO HIGHLANDS UNIVERSITY

LAS VEGAS, NEW MEXICO 87701
Telephone: 425-7511.

Founded 1893.

President: Dr. JOHN ARAGÓN.
Chief Fiscal Officer: A. DENNIS MARQUEZ.
Academic Dean: Dr. SIGFREDO MAESTAS.
Registrar and Director of Admissions: Dr. STANLEY J. HIPWOOD.
Librarian: Dr. RAUL C. HERRERA.

Number of teachers: 102, including 28 professors.

Number of students: 1,500 men, 1,500 women, total 3,000.

DEANS:

Student Affairs: Dr. GILBERT BACA.
Graduate School: Dr. JOHN PACHECO.

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY

SOCORRO, NEW MEXICO 87801

Founded 1889.

President: KENNETH W. FORD.
Vice-President for Academic Affairs: L. GUY DONARUMA.
Vice-President for Administration: STEPHEN O. MITCHELL.
Librarian: LEROY LEBBIN.

The library contains 70,000 vols.

Number of students: 1,000.

DIRECTORS:

New Mexico Bureau of Mines and Mineral Resources: FRANK E. KOTTLOWSKI.

New Mexico Petroleum Recovery and Research Center: J. J. TABER, Sr.

Research and Development Division: MARX BROOK.

NEW MEXICO STATE UNIVERSITY

LAS CRUCES
NEW MEXICO 88003
Telephone: (505) 646-0111.

Founded in 1888 as Las Cruces College; became in 1889 the New Mexico College of Agriculture and Mechanic Arts and in 1960 the State University.

President: GERALD W. THOMAS, PH.D.
Vice-President—Academic: D. C. ROUSH, ED.D.
Vice-President—Finance: ROBERT KIRKPATRICK, B.S., C.P.A.
Vice-President—Student Affairs: PEGGY ELDER, ED.D.
Vice-President—Development: STEELE JONES, M.A.
Librarian: J. P. DYKE, PH.D.

The library contains 520,000 vols., plus 275,000 bound and unbound government documents and 285,000 microforms.

Number of teachers: 525.
Number of students: 11,000.

Publications: Agricultural Experiment Station: *Annual Report, Bulletin, Circular*, etc.; Physical Science Laboratory: classified publications; Agricultural Extension Service: bulletins; Engineering Experiment Station: bulletins.

DEANS:

Graduate School: W. H. MATCHETT, PH.D.
College of Agriculture and Home Economics: L. S. POPE, PH.D.
College of Arts and Sciences: T. M. GALE, PH.D.
College of Business Administration and Economics: (vacant).
College of Education: J. O. L. SAUNDERS, ED.D.
College of Engineering: J. HERNÁNDEZ, PH.D.

ATTACHED RESEARCH INSTITUTES:

Agricultural Experiment Station: Dir. L. S. POPE, PH.D.

Arts and Science Research Center: Dir. T. M. GALE, PH.D.

Center for Business Services: (vacant).

Educational Research Center: Dir. J. O. L. SAUNDERS, ED.D.

Engineering Experiment Station: Dir. J. HERNÁNDEZ, PH.D.

Physical Science Laboratory: Dir. H. R. LAWRENCE, M.S.

Energy Research and Development Institute: Dir. R. L. SAN MARTIN, PH.D.

Water Resources Research Institute: Dir. THOMAS G. BAHR, PH.D.

ST. JOHN'S COLLEGE

SANTA FE, NEW MEXICO 87501
Telephone: (505) 982-3691.
Founded 1964.

President: RICHARD D. WEIGLE.
Dean: ROBERT BART.
Vice-President: J. BURCHENAL AULT.
Registrar: Miss ELLEN GANT.
Librarian: Mrs. ALICE H. WHELAN.

The library contains 40,000 vols.

Number of teachers: 40.
Number of students: 275.

For Annapolis branch *see under* Maryland.

UNIVERSITY OF ALBUQUERQUE

ST. JOSEPH PLACE N.W.,
ALBUQUERQUE,
NEW MEXICO 87140
Telephone: 243-9461.
Founded 1940.

President: LAURENCE C. SMITH.
Academic Vice-President: Dr. ANDREW IMRIK.
Academic Dean: Dr. J. PETER CAREY.
Admissions: A. FRANKLIN DEUBLE.
Librarian: Mrs. MARILYN O'HAIR.

The library contains 50,000 volumes.

Number of teachers: 90.
Number of students: 2,900.

THE UNIVERSITY OF NEW MEXICO

ALBUQUERQUE,
NEW MEXICO 87131
Telephone: 277-0111.

Created by act of territorial legislation 1889. Opened 1892.

President: Dr. WILLIAM E. DAVIS.
Provost: MCALLISTER HULL, PH.D.
Vice-President for Business and Finance: J. PEROVICH, M.B.A.
Director of the Medical Centre: L. NAPOLITANO, PH.D.
Associate Provost for Research and Graduate Affairs: P. H. SILVERMAN, PH.D. (acting).
Administrative Vice-President for Student Affairs, Alumni Relations and Development: M. D. JOHNSON, ED.D.
Dean of Admissions and Records: R. W. WEAVER, M.A.
Secretary of the University: J. N. DURRIE, B.A.
Dean of Library Services: PAUL VASSALLO, M.L.S., PH.D.

The library contains 1,000,000 vols.

Number of teachers: 957.
Number of students: 23,475.

Publications: *Journal of Anthropological Research, Natural Resources Journal*†, *New Mexico Business*†, *New Mexico Historical Review*†.

DEANS:

Graduate School: BERNARD SPOLSKY, PH.D.
Students: KAREN M. GLASER, M.S.ED.
College of Arts and Sciences: N. WOLLMAN, PH.D.
School of Business and Administrative Sciences: R. R. REHDER, PH.D.
College of Education: D. W. DARLING, ED.D.
College of Engineering: W. A. GROSS, PH.D.
College of Fine Arts: C. ADAMS, M.A.
School of Law: F. M. HART, LL.M., J.D.
School of Medicine: L. M. NAPOLITANO, PH.D.
College of Nursing: CARMEN WESTWICK, PH.D.
College of Pharmacy: C. A. BLISS, PH.D.
University College: W. H. HUBER, Jr., J.D.

PROFESSORS:

ADAMSON, G. W., ED.D., Special Education
AHLUWALIA, H. S., PH.D., Physics
ALBRECHT, B., C.E., M.S., PH.D., Mechanical Engineering
ANDERSON, R. E., M.D., Pathology
ANDERSON, R. Y., M.S., Geology
ANTREASIAN, G. Z., B.F.A., Art
APPENZELLER, O., M.B., M.D., PH.D., Neurology and Medicine
ARMS, G. W., PH.D., English
AUGER, K. F., ED.D., Elementary Education
BAKER, W. E., PH.D., Mechanical Engineering
BATCHELLER, J. M., M.A., ED.M., PH.D., Music
BAUGHMAN, E. W., M.A., PH.D., English
BECKEL, C. L., PH.D., Physics
BEN-DAVID, S., PH.D., Economics
BENEDETTI, D. T., M.A., PH.D., Psychology
BENNETT, I. V., M.A., PH.D., Geography
BICKNELL, J. M., M.D., Neurology
BINFORD, L. R., PH.D., Anthropology
BLACKBURN, NADENE S., M.A., Theatre Art
BLISS, C. A., M.S., PH.D., Pharmacy
BLOOD, R. E., PH.D., Education Administration
BOATWRIGHT, L., PH.D., Electrical Engineering and Computer Science
BOCK, P. K., M.A., PH.D., Anthropology
BOLIE, V. W., M.S., PH.D., Electrical Engineering
BOYLE, G. J., M.A., PH.D., Economics
BRADSHAW, M. D., PH.D., Electrical Engineering and Computer Science
BROGDON, B. G., M.D., Radiology
BROOKINS, D. G., PH.D., Geology
BRYANT, H. C., M.S., PH.D., Physics
BUCHANAN, EDITH, PH.D., English
BUNTING, B., PH.D., Art and Architecture
BYATT, W. J., M.S., PH.D., Electrical Engineering
CAMPBELL, J. M., PH.D., Anthropology
CAMPBELL, R. D., M.A., PH.D., Geography
CAPLAN, E. H., M.B.A., PH.D., Business and Administrative Sciences
CARNEY, J. B., Jr., PH.D., Civil Engineering
CATON, R. D., PH.D., Chemistry
CHENG, C., PH.D., Chemical and Nuclear Engineering
CHREIST, F. M., SR., M.A., PH.D., Speech
CHUNG, PHAM, PH.D., Economics
CIKOVSKY, N., Jr., PH.D., Art
CLOUGH, R. H., M.S., SC.D., Civil Engineering
COBOS, R., M.A., Modern and Classical Languages
COGBURN, R. F., PH.D., Mathematics
COHEN, S., M.A., PH.D., Economics

Cohlmeyer, R. C., B.S., Architecture
Coke, V. D., M.F.A., Art
Cooper, J. G., M.A., ED.D., Educational Foundations
Cottrell, M. M., M.S., Civil Engineering
Cox, K. E., PH.D., Chemical and Nuclear Engineering
Crawford, C. S., PH.D., Biology
Crenshaw, Virginia Poindexter, M.P.H., ED.D., Nursing
Cummings, R. G., PH.D., Economics
Cushing, A. H., M.D., Paediatrics
Cutter, D. C., M.A., PH.D., History
Cvitanovic, D., PH.D., Modern and Classical Languages
Dabney, W M., M.A., PH.D., History
Dahmen, L. A., PH.D., Guidance and Counselling
Darling, D. W., M.S., ED.D., Elementary Education
Daub, G. H., M.S., PH.D., Chemistry
David, P. R., PH.D., Sociology
Dean, C., M.A., PH.D., Physics
DeFleur, M. L., PH.D., Sociology
Degenhardt, W. G., PH.D., Biology
DeMarr, R. E., PH.D., Mathematics
Desiderio, R. J., J.D., Law
DeVolder, A. L., M.A., Library Services
Doberneck, R. C., M.D., PH.D., Surgery
Dorato, P., PH.D., Electrical Engineering and Computer Science
Doxtator, R. J., ED.D., Secondary Education
Drummond, H. D., M.A., Elementary Education
Dubois, D. W., M.A., PH.D., Mathematics
Edwards, W. S., M.D., Surgery
Ellis, H. C., M.A., PH.D., Psychology
Ellis, R. N., PH.D., History
Ellis, W. H., J.D., Law
Elston, W. E., M.A., PH.D., Geology
Entringer, R. C., PH.D., Mathematics
Epstein, B., M.S., PH.D., Mathematics
Erteza, A., M.S.E.E., PH.D., Electrical Engineering
Evans, M. G., M.A., PH.D., Philosophy
Feldberg, L., M.A., Music
Feldman, K. T., PH.D., Mechanical Engineering
Fernandez, P. H., PH.D., Modern Languages
Ferraro, D. P., PH.D., Psychology
Fiedler, W. C., M.S., PH.D., Pharmacy
Findley, J. S., PH.D., Biology
Fink, M., M.A., Law Library
Finston, H. V., M.A., PH.D., Business and Administrative Sciences
Fishburn, W. R., ED.D., Guidance and Counselling
Fitzsimmons, J. P., PH.D., Geology
Fleck, M. R., PH.D., Nursing
Fleming, R. E., PH.D., English
Flickinger, W. G., J.D., Law
Gafford, W. R., M.S., Civil Engineering
Gardner, K. D., M.D., Medicine
Gehlen, M. P., M.A., PH.D., Political Science
Gilbert, E. J., PH.D., Computing and Information Science
Gisser, M., PH.D., Economics
Gonzales, A., M.A., Modern and Classical Languages
Grannemann, W. W., M.A., PH.D., Electrical Engineering
Green, J. R., PH.D., Physics
Greenberg, R. E., M.D., Paediatrics
Gregory, P., PH.D., Economics
Grice, G. R., M.A., PH.D., Psychology
Griego, R. J., PH.D., Mathematics
Griffin, L. E., PH.D., Health, Physical Education and Recreation
Gross, W. A., PH.D., Engineering
Hamilton, D. B., Jr., M.A., PH.D., Economics
Hart, F. M., J.D., LL.M., Law
Hartung, C. R., M.F.A., Theatre Arts
Heady, F., PH.D., Public Administration
Hendrickson, M. S., M.A., PH.D., Mathematics
Hersh, R., M.S., PH.D., Mathematics
Hibben, F. C., M.S., PH.D., Anthropology
Hill, H. L., Jr., PH.D., English
Hillerman, A. G., M.A., Journalism
Hillman, A. P., M.A., PH.D., Mathematics
Holeman, R. L., ED.D., Education and Administration Services
Hollstein, U., PH.D., Chemistry
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Houghton, A. V., III, M.S., PH.D., Mechanical Engineering
Howarth, J. L., M.A., M.S., PH.D., Physics and Radiology
Hoyt, E. C., LL.B., PH.D., Political Science
Hsu, Y. C., PH.D., Mechanical Engineering
Huaco, G. A., M.A., PH.D., Sociology
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Jermain, L. L., M.S., Journalism
Johnson, P. J., PH.D., Psychology
Johnson, R. L., Jr., PH.D., Civil Engineering
John-Steiner, Vera P., PH.D., Educational Foundations
Jonas, P., PH.D., Economy
Ju, F. D., M.S., PH.D., Mechanical Engineering
Kahn, M., PH.D., Chemistry
Karni, S., M.ENG., PH.D., Electrical Engineering
Keil, K., M.S., PH.D., Geology
Kellner, R., M.D., PH.D., Psychiatry
Kelly, R. D., M.S., PH.D., Electrical Engineering
Kelsey, C. A., PH.D., Radiology
Keppers, G. L., M.A., ED.D., Guidance
Kidd, D. E., PH.D., Biology
Kligerman, M. M., M.D., M.SC., Radiology
Kline, R. D., PH.D., Instructional Media
Kneese, A. V., PH.D., Economics Services
Knudsen, H. K., PH.D., Electrical Engineering
Koenig, K. P., PH.D., Psychology
Kolbert, J., M.A., PH.D., Modern Languages
Koopmans, L. H., PH.D., Mathematics
Koschmann, A. H., M.S., PH.D., Electrical Engineering
Kroth, R. L., PH.D., Special Education
Kyner, W. T., M.A., PH.D., Mathematics
Ladman, A. J., PH.D., Anatomy
Lamb, L. E., PH.D., Communicative Disorders
Land, F. L., M.D., Family, Community and Emergency Medicine
Law, D. H., M.D., Medicine
Lawrence, R. L., M.A., ED.D., Educational Administration
Leavitt, C. P., PH.D., Physics
LeBaron, F. N. M.A., PH.D., Biochemistry
Lenberg, R. A., PH.D., Business and Administrative Sciences
Levy, J., PH.D., Psychiatry
Lewis, R. W., M.A., Art
Libo, L. M., M.A., PH.D., Psychiatry and Psychology
Lieuwen, E., M.A., PH.D., History
Lister, R. H., M.A., PH.D., Anthropology
Loftfield, R. B., M.A., PH.D., Biochemistry
Logan, F. A. M.A., PH.D., Psychology
Long, R. L., PH.D., Nuclear Engineering
Loughlin, Catherine E., ED.D., Elementary Education
MacCurdy, R. R., Jr., M.A., PH.D., Modern Languages
MacPherson, W. T., Jr., J.D., Law
McConeghey, H. W., ED.D., Art Education
McDowell, R. L., PH.D., Special Education
McGill, F., PH.D., Health, Physical Education and Recreation
McLaren, L. C., M.A., PH.D.. Microbiology
McRae, D. C., M.A., Music and Fine Arts
Maes, W. R., PH.D., Guidance and Counselling
Martin, W. C., M.A., PH.D., Biology
Martin, W. J., M.F.A., Dramatic Art
Martinez, J. E., M.S., Civil Engineering
May, M. C., M.S., Civil Engineering
Messer, R. H., M.D., Obstetrics and Gynaecology
Micali, R., ED.D., Guidance and Counselling
Mitchell, Merle, M.A., PH.D., Mathematics
Moellenberg, W. P., ED.D., Education Foundations
Moler, C. B., PH.D., Mathematics
Moore, J. C., PH.D., Educational Foundations
Mori, P. T., M.B.A., J.D., Business and Administrative Sciences
Morrison, D. R., M.S., PH.D., Mathematics and Computing Science
Moseley, R. D., Jr., M.D., Radiology
Muir, H. B., J.D. Law
Murphy, R. E., M.A., PH.D., Geography
Murray, Beatrice Louise, M.N., ED.D., Nursing
Napolitano, L. M., M.S., PH.D., Anatomy
Nash, G. D., M.A., PH.D., History
Nason, M. R., M.A., PH.D., Modern Languages
Needler, M. C., PH.D., Political Science
Nesbitt, R. D., Jr., M.A., Secondary Education
Norman, R. D., M.A., PH.D., Psychology
Novitski, Monica, D.H., D.D.S., Dental Hygiene
Omer, G. E., Jr., M.D., M.S., Orthopaedics and Anatomy
Ortiz, A. A., PH.D., Anthropology
Owen, G. M., M.D., Paediatrics
Paak, C. E., M.A., Art
Pace, R. W., PH.D., Speech Communication
Palmer, D. L., M.D., Medicine
Papcsy, F. E., PH.D., Health, Physical Education and Recreation
Parker, A. L., PH.D., Economics
Pathak, P. T., PH.D., Mathematics
Peters, W. S., M.B.A., PH.D., Business and Administrative Sciences
Petersen, D. P., PH.D., Electrical Engineering and Computer Science
Peterson, A. W., PH.D., Physics and Astronomy
Potter, L. D., M.A., PH.D., Biology
Priola, D. V., PH.D., Physiology
Prouse, P., M.A., PH.D., Secondary Education and Theatre Arts
Radosevich, H. R., PH.D., Business and Administrative Science
Regener, V. H., DR.-ING., Physics
Rehder, R. R., M.B.A., PH.D., Business and Administrative Sciences
Resta, P. E., PH.D., Education and Education Foundations
Rhoads, W. E., M.MUS., Music
Rhodes, B. A., PH.D., Pharmacy
Rhodes, J. M., M.A., PH.D., Psychology
Richards, C. G., PH.D., Mechanical Engineering
Riedesel, M. L., M.S., PH.D., Biology
Robert, G., Music
Roberts, W. H., M.A., PH.D., Modern Languages
Rodriguez, A., PH.D., Modern and Classical Languages

ROSASCO, L. A., M.A., ED.D., Educational Foundations
ROSENBLUM, S., M.A., PH.D., Psychology
ROSENTHAL, A. H., M.A., PH.D., Public Administration
RUEBUSH, B. K., PH.D., Psychiatry
RUNGE, W. B., M.ED., ED.D., Secondary Education
SALA, J. M., M.D., Radiology
SANCHEZ, D. A., PH.D., Mathematics
SCALETTI, J. V., M.S., PH.D., Microbiology
SCALLEN, T. J., M.D., PH.D., Biochemistry
SCHLEGEL, D. P., M.A., Architecture
SCHMIDT, P. F., PH.D., Philosophy
SCHOENFELD, M. G., M.MUS., Music
SCHOLER, E. A., M.S., Recreation
SCHWERIN, K. H., PH.D., Anthropology
SEIDLER, A. H., M.S., PH.D., Physical Education
SENNINGER, C. M., PH.D., Modern and Classical Languages
SERVIN, M. D., PH.D., History
SHUCK, J. M., M.D., Surgery
SICKELS, R. J., PH.D., Political Science
SILVERMAN, P. H., PH.D., Biology
SLATE, D. M., M.A., PH.D., Business and Administrative Sciences
SMITH, D. E., M.D., Surgery
SMITH, E. B., M.D., Medicine
SMITH, S. D., Art
SMITHBURG, D. W., PH.D., Public Administration
SNEAD, R. E., M.A., PH.D., Geography
SNELL, EDNELL MARGARET, M.A., ED.D, Home Economics
SNYDER, R. D., M.D., Neurology
SOLOMON, S., PH.D., Physiology
SORENSON, J. B., M.A., PH.D., Political Science
SOUTHWARD, H. D., M.A., PH.D., Electrical Engineering
SPOLSKY, B., PH.D., Elementary Education and Anthropology
SPUHLER, J. N., M.A., PH.D., Anthropology
STAHL, K. H., M.S., PH.D., Pharmaceutical Chemistry
STEGER, A., M.A., PH.D., Mathematics
STITELMAN, L., PH.D., Public Administration
STONE, A. P., PH.D., Mathematics
STOUMBIS, G. C., PH.D., Secondary Education
STRICKLAND, R. G., M.D., PH.D., Medicine
STUMPF, H. P., PH.D., Political Science
STURM, F. G., PH.D., Philosophy
TEITELBAUM, L. E., LL.M., Law
THOMAS, R., PH.D., Physics
TOKUDA, SEJ, PH.D., Microbiology
TOMASSON, R. F., M.A., PH.D., Sociology
TOMLINS, J. E., M.A., PH.D., Modern Languages
TONIGAN, R. F., M.S., ED.D., Educational Administration
TRIANDAFILIDIS, G. E., M.S., PH.D., Civil Engineering and Research Engineering
TWEETEN, P. W., PH.D., Secondary Education
ULIBARRI, H., ED.D., Education Administration
ULIBARRI, S. R., M.A., PH.D., Modern Languages
ULRICH, J. A., PH.D., Microbiology and Pathology
UTTON, A. E., M.A. (JURIS)., Law
VASSALLO, P., M.A., General Library
VOGEL, A. W., ED.D., Education Foundations
VORHERR, H. W., M.D., Obstetrics and Gynaecology
WAGONER, R. L., ED.D., Secondary Education
WARSH, H. E., ED.D., Elementary Education
WEBER, E. J., PH.D., Secondary Education
WESTON, J. T., M.D., Pathology
WHAN, G. A., M.S., PH.D., Nuclear Engineering
WHITE, J. E., Jr., M.A., PH.D., Modern and Classical Languages
WILDIN, M. W., PH.D., Mechanical Engineering
WILLIAMS, R. C., Jr., M.D., Medicine
WILLIAMS, R. H., PH.D., Electrical Engineering and Computer Science
WINSLOW, W. W., M.D., Psychiatry
WINTER, L. G., M.A., PH.D., Business and Administrative Sciences
WOLLMAN, N., PH.D., Economics
WOODWARD, L. A., PH.D., Geology
WORKMAN, P., PH.D., Anthropology
YELL, J. E., Jr., M.F.A., Dramatic Art
ZEPPER, J. T., M.ED., ED.D., Educational Foundations
ZIMMER, W. J., PH.D., Mathematics
ZINTZ, M. V., M.A., PH.D., Elementary Education

WESTERN NEW MEXICO UNIVERSITY

BOX 680, SILVER CITY,
NEW MEXICO 88061
Telephone: 538-6011.
Founded 1893.

President: Dr. JOHN H. SNEDEKER.
Dean of Academic Affairs: Dr. GILBERT W. CALKINS.
Dean of Student Affairs: J. R. SMITH.
Registrar: RAMON CARRILLO.
Librarian: J. ESSICK.

The library contains 304,035 vols.
Number of teachers: 80.
Number of students: 1,900.

NEW YORK

ADELPHI UNIVERSITY

GARDEN CITY,
NEW YORK 11530
Telephone: (516) 294-8700.
Founded 1896.

President: TIMOTHY W. COSTELLO.
Vice-President: (vacant).
Registrar: DON KETCHAM.
Librarian: D. NORA GALLAGHER.

The library contains 300,000 vols.
Number of teachers: 545.
Number of students: 11,500.

DEANS:

Academic Affairs: CLIFFORD T. STEWART.
Arts and Sciences: HARRY C. DAVIES.
Graduate School of Arts and Sciences: MARVIN IVERSON.
School of Social Work: J. L. VIGILANTE.
School of Nursing: JUNE S. ROTHBERG.
School of Business: ROBERT O. CARLSON.
Institute of Advanced Psychological Studies: GORDON F. DERNER.
University College: DORIS SILBERSTEIN.

ALFRED UNIVERSITY

ALFRED, NEW YORK 14802
Founded 1836.

President: M. RICHARD ROSE, PH.D.
Provost: S. G. ODLE, ED.D.
Vice-President for Business and Finance: R. E. HEYWOOD, M.S.
Vice-President for University Relations: R. A. CLINGER, M.ED.
Dean for Student Affairs: DONALD H. KING, M.ED.
Director of Admissions: PAUL PRIGGON, M.ED.
Head Librarian: JUNE BROWN, M.L.S.

The library contains 225,000 vols.
Number of teachers: 149.
Number of students: 2,100.

Publications: *Fiat Lux*, *Alfred Reporter*, *Kanakadea*, *University Catalogue*.

DEANS:

College of Liberal Arts: JOHN FOXEN, PH.D.
College of Ceramics: WILLIS G. LAWRENCE, PH.D.
Graduate School: L. C. BUTLER, PH.D.
College of Nursing and Health Care: JOELLA M. RAND, R.N., M.S.ED. (acting), VIRGINIA BARKER, ED.D.
School of Business and Administration: WILFORD G. MILES, Jr., PH.D.

BANK STREET COLLEGE OF EDUCATION

610 WEST 112 ST.,
NEW YORK, N.Y. 10025
Telephone: (212) 663-7200.
Founded 1916.

President: Dr. FRANCIS ROBERTS.
Provost and Dean: Dr. GORDON J. KLOPF.
Associate Dean for Graduate Programs: ANNE M. SMITH.
Registrar: Mrs. POLLY MCMILLAN.
Director of Admissions: Mrs. PHYLLIS HALDEMAN.
Director of Library: WAYNE GOSSAGE.

The library contains 80,000 vols.
Number of teachers: 51.
Number of students: 1,242.

BARD COLLEGE

ANNANDALE-ON-HUDSON,
N.Y. 12504
Founded 1860.

President: LEON BOTSTEIN.
Business Manager: W. M. ASIP.
Registrar: ANNYS N. WILSON.
Dean: MICHAEL SIMPSON.
Director of Admissions: KAREN WILCOX.
Librarian: FREDERICK G. COOK.

The library contains 138,750 vols.
Number of teachers: 82.
Number of students: 701.

CANISIUS COLLEGE

2001 MAIN STREET,
BUFFALO, N.Y. 14208
Telephone: (716) 883-7000.
Founded 1870.

President: Very Rev. JAMES M. DEMSKE, S.J., PH.D.
Exec. Vice-President (Academic): Rev. EDMUND G. RYAN, S.J., PH.D.
Exec. Vice-President (Administrative): GEORGE M. MARTIN, J.D.
Vice-President for Business and Finance: LAURENCE W. FRANZ, PH.D.
Dean of Students: Mrs. LILIAN LEVEY, M.S.
Librarian: P. J. LAUX, M.A., M.S.L.S.

The library contains 208,500 vols.

Number of teachers: 155 full-time, 102 part-time, total 257.

Number of students: 3,924.

THE CITY UNIVERSITY OF NEW YORK

535 EAST 80TH ST.,
NEW YORK, N.Y. 10021

Founded 1847.

The City University of New York is a public institution comprising nine senior colleges, listed below, a Graduate School and University Center, and an affiliated medical school, Mount Sinai School of Medicine, and eight community colleges: Borough of Manhattan Community College, Bronx Community College, Medgar Evers College, Hostos Community College, Kingsborough Community College, Fiorello H. La Guardia Community College, New York City Community College, and Queensborough Community College.

Chancellor: ROBERT J. KIBBEE.

The combined libraries contain 5,000,000 vols.

GRADUATE SCHOOL AND UNIVERSITY CENTER

33 West 42nd St.,
New York, N.Y. 10036

Telephone: (212) 790-4395.

Established 1961.

President: HAROLD H. PROSHANSKY.

Number of teachers: 426.
Number of students: 2,552.

THE BERNARD M. BARUCH COLLEGE

17 Lexington Ave.,
New York, N.Y. 10010

Telephone: (212) 725-3000.

Established 1919.

President: JOEL SEGAL.

Number of teachers: 872.
Number of students: 14,173.

BROOKLYN COLLEGE

Bedford Ave. and Ave. H,
Brooklyn, N.Y. 11210

Telephone: (212) 780-5485.

Established 1930 by combining Brooklyn Centres of City College and Hunter College.

President: JOHN W. KNELLER.

Number of teachers: 1,472.
Number of students: 21,200.

CITY COLLEGE

Convent Ave. and 138th St.,
New York, N.Y. 10031

Telephone: (212) 690-6741.

Founded 1847.

President: Dr. R. E. MARSHAK.

Number of teachers: 1,080.
Number of students: 15,508.

HUNTER COLLEGE

695 Park Ave.,
New York, N.Y. 10021

Telephone: 570-5566.

Founded 1870.

President: Mrs. JACQUELINE G. WEXLER.

Number of teachers: 1,136.
Number of students: 17,816.

JOHN JAY COLLEGE OF CRIMINAL JUSTICE

444 West 56th St.,
New York, N.Y. 10019

Telephone: (212) 489-5184.

Founded 1964.

President: GERALD W. LYNCH.

Number of teachers: 352.
Number of students: 7,037.

HERBERT H. LEHMAN COLLEGE

Bedford Park Blvd. West,
Bronx, N.Y. 10468

Telephone: (212) 960-8881.

Founded 1931.

President: LEONARD LIEF.

Number of teachers: 713.
Number of students: 9,971.

QUEENS COLLEGE

65-30 Kissena Blvd.,
Flushing, N.Y. 11367

Telephone: (212) 520-7000.

Founded 1937.

President: SAUL B. COHEN.

Number of teachers: 1,296.
Number of students: 20,507.

COLLEGE OF STATEN ISLAND

St. George Campus (formerly Richmond College):
130 Stuyvesant Place, Staten Island, N.Y. 10301.

Telephone: (212) 390-7733.

President: EDMOND L. VOLPE.

Number of teachers: 101.
Number of students: 2,291.

YORK COLLEGE

150-14 Jamaica Ave.,
Jamaica, N.Y. 11432

Telephone: (212) 969-4040.

Founded 1966.

President: MILTON G. BASSIN.

Number of teachers: 292.
Number of students: 4,315.

CLARKSON COLLEGE OF TECHNOLOGY

POTSDAM, N.Y. 13676

Founded 1896.

President: R. A. PLANE, A.B., S.M., PH.D., D.SC.
Provost: H. L. SHULMAN, B.CH.E., M.S., PH.D.
Vice-President: R. J. HALEY, M.L.
Treasurer: E. J. WIXTED, B.A.MATH., B.B.A.ACCTG.
Vice-Provost (Admissions, Placement, Student Records): J. D. CHAPPLE, M.A.
Director, Institutional Relations: S. R. MARTIN, M.A.
Registrar: R. M. SHURTLEFF, M.DIV.
Librarian: Mrs. OTTILIE H. ROLLINS, M.S.

The library contains 117,844 vols., separate government document collection 39,459, microfilms 63,757.

Number of teachers: 213, including 47 full professors.

Number of students: 3,308.

Publication: *Clarkson.*

DEANS:

Graduate School: R. J. NUNGE, M.CH.E., PH.D., CH.E.
School of Engineering: H. L. SHULMAN, B.CHEM.ENG., M.S., PH.D.
School of Arts and Sciences: B. A. PETHICA, PH.D.
School of Management: R. L. GOBLE, M.A., M.S., PH.D.
Summer Session and Special Programmes: E. MCHUGH, B.S.
Student Life: C. N. SMALLING, B.ED.

COLGATE UNIVERSITY

HAMILTON, N.Y. 13346

Telephone: (315) 824-1000.

First Charter 1819; Chartered as Madison University 1846, name changed to Colgate University 1890.

President: GEORGE D. LANGDON.
Vice-President for Business and Finance: R. M. KREHEL.
Controller: G. B. HITCHCOCK.
Registrar: WILLIAM A. KESSLER.
Secretary: B. S. RYDER.
Vice-President for Public Affairs: STANLEY E. HALL.
Dean of Students: ROBERT C. WILHELM.
Provost and Dean of Faculty: JOHN S. MORRIS.
Director of Graduate Studies: JUDY C. LOVE.
Librarian: B. M. BROWN.

The library contains 320,000 vols.

Number of teachers: 198 full-time, 41 part-time.

Number of students: 2,500.

COLLEGE OF MOUNT SAINT VINCENT ON HUDSON

RIVERDALE, N.Y. 10471

Telephone: (212) 549-8000.

Founded 1847.

President: Sister DORIS SMITH.
Academic Dean: Mrs. KATHLEEN KNOWLES.
Librarian: Mrs. MARY F. HERNANDEZ.

The library contains 100,000 vols.

Number of teachers: 65.
Number of students: 1,100.

COLLEGE OF NEW ROCHELLE

NEW ROCHELLE, N.Y. 10801

Founded 1904.

President: Sister DOROTHY ANN KELLY, O.S.U., PH.D.
Provost: Dr. CLARENCE J. DENNE.
Registrar: MELISSA W. BETTS.
Librarian: GLORIA GRECO.

The library contains 130,442 vols.

Number of teachers: 234.
Number of students: 2,925.

DEANS:

School of Arts and Sciences: Dr. KATHERINE HENDERSON.
School of New Resources: JULES PAGANO.
Graduate School: Dr. MARGARET C. CARTHY, PH.D.
School of Nursing: PATRICIA LODGE.

THE COLLEGE OF SAINT ROSE

432 WESTERN AVENUE,
ALBANY, N.Y. 12203

Telephone: (518) 471-5111.

Founded 1920.

President: THOMAS A. MANION, PH.D.
Registrar: JOAN E. CADDEN, C.S.J.
Treasurer: THOMAS J. MCCABE.
Dean of Administration: PATRICIA HAYES, C.S.J.
Director of Admissions: GENE ANN FLAHERTY.
Undergraduate Dean: DONALD W. TAPPA.
Graduate Dean: KATHERINE HANLEY, C.C.J.
Librarian: AUDREY GRAHAM.

The library contains 119,500 vols.

Number of teachers: 167.
Number of students: 2,400.

COLUMBIA UNIVERSITY

MORNINGSIDE HEIGHTS,
NEW YORK, N.Y. 10027

Telephone: 280-1754

Telegraphic Address: Columuni.

Founded as King's College 1754; incorporated in 1784 and name changed to Columbia College. By order of the Supreme Court of State of New York, in 1912, title changed to Columbia University.

Private control; Academic Year: September to May.

President: WILLIAM J. MCGILL.
Executive Vice-Presidents:
  Academic Affairs and Provost: (vacant).
  Administration: PAUL D. CARTER.
Vice-Presidents:
  Business: (vacant).
  Finance: ANTHONY D. KNERR.
  Vice-President and University Librarian: PATRICIA M. BATTIN.
  Health Sciences: PAUL A. MARKS.
  Personnel Management: ROBERT S. EARLY.
Student Services: ROBERT J. COOPER.
Treasurer: WILLIAM BLOOR.
Secretary: MARION E. JEMMOTT.

Library: *see* Libraries.

Number of teachers: 4,000.

Number of students: undergraduate 5,033, graduate and professional 8,316, non-degree candidates 1,962, total 15,311 (excluding Barnard College and Teachers' College).

Publications: *Journal of the Ancient Near Eastern Society, The Astronomical Journal, Current Musicology, Germanic Review*†, *Columbia Human Rights Law Review, Journal of International Affairs*†, *Johnsonian News Letter, Columbia Journalism Review*†, *Columbia Journal of Law and Social Problems, Columbia Law Review, Journal of Philosophy*†, *Public Opinion Quarterly, Renaissance Quarterly, Revista Hispánica Moderna, Romanic Review, Columbia Journal of Trans-national Law, Columbia Journal of World Business.*

DEANS:

Columbia College: ARNOLD COLLERY.
Graduate School of Arts and Sciences: GEORGE K. FRAENKEL.
School of Law: MICHAEL I. SOVERN.
Faculty of Medicine: DONALD F. TAPLEY.
School of Engineering and Applied Science: PETER W. LIKINS.
Graduate School of Architecture and Planning: JAMES POLSHEK.
Graduate School of Journalism: ELIE ABEL.
Graduate School of Business: BORIS YAVITZ.
School of Library Service: RICHARD L. DARLING.
School of Dental and Oral Surgery: ALLAN J. FORMICOLA.
General Studies: WARD H. DENNIS.
School of International Affairs: HARVEY PICKER.
School of Social Work: MITCHELL I. GINSBERG.
School of the Arts: SCHUYLER G. CHAPIN.
Parker School of Foreign and Comparative Law: WILLIS L. M. REESE.

PROFESSORS:

Anatomy:
  APRIL, E. W.
  BRANDT, P.
  ELY, C. L.
  GERSHON, M. D.
  MOSS, M. L.
  NOBACK, C. R.
  NUNEZ, E.
  PFENNINGER, C.
  TENNYSON, V.
Anaesthesiology:
  BENDIXEN, H. H.
  BLANCATO, L. S.
  BRAND, L.
  EPSTEIN, R. A.
  FINSTER, M.
  HANKS, E. C.
  HYMAN, A. I.
  ISRAEL, J. S.
  JAMES, L. S.
  MARK, L. C.
  MORISHIMA, H. O.
  NAHAS, G. G.
  NGAI, S. H.
  PANTUCK, E. J.
  SALANITRE, E.
  TRINER, L.
Anthropology:
  ALLAND, A., Jr.
  ARENSBERG, C. M.
  COHEN, M. L.
  FRIED, M. H.
  HARRIS, M.
  HOLLOWAY, R. L.
  MURPHY. R. F.
  PITKIN, H.
  SKINNER, E. P.
  SOLECKI, R. S.
Applied Physics and Nuclear Engineering:
  CHU C. K.
  GOLDSTEIN, H.
  GROSS, R. A.
  HAVENS, W.
  LIDOFSKY, L. J.
  MELKONIAN, E.
Architecture:
  BOND, J. M., Jr.
  COLLINS, G. R.
  FRAMPTON, K.
  GIURGOLA, R.
  GRAVA, S.
  HALSE, A.
  HARRIS, C. M.
  KOUZMANOFF, A.
  MARCUSE,P.
  POKORNY, J. H.
  POLSHEK, J. S.
  ROHDENBURG, T. K.
  THURSTON, C. W.
Art, History and Archaeology:
  BECK, J. H.
  BRILLIANT, R.
  COLLINS, G. R.
  DAVIS, H. McP.
  FRASER, D.
  FRAZER, A.
  HIBBARD, H.
  LEWINE, M. J.
  MURASE, M. C.
  PORADA, E.
  REFF, T.
  ROSAND, D.
  STALEY, A.
The Arts:
    Division of Film:
  SHARFF, S.
    Division of Music:
  BEESON, J.
  CHOU, W.-C.
  USSACHEVSKY, V.

Division of Painting and Sculpture:
Racz, A.
Goldin, L.

Division of Theatre Arts:
Beckerman, B.

Writing Division:
MacShane, F.

Astronomy:
Baker, N.
Epstein, I.
Lucy, L. B.
Prendergast, K. H.
Spiegel, E. A.

Biochemistry:
Axel, R.
Benesch, R.
Benesch, R. E.
Edelman, I. S.
Eisenberg, M. A
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Admissions and Records: H. Liebeskind.
Students: M. Gore.
Continuing Education: H. C. Alter.

CORNELL UNIVERSITY

ITHACA, N.Y. 14853
Telephone: (607) 256-1000.
Founded 1865.

State and private control; Academic year: September to May.

President: Frank H. T. Rhodes, b.sc., ph.d.
Provost: David C. Knapp, ph.d.
Vice-Provosts: June M. Fessenden-Raden, Mark Barlow, Jr.
Vice-President for Administration: S. A. Lawrence, m.p.a., ph.d.
Vice-President for Campus Affairs: W. D. Gurowitz, ph.d.
Vice-President for Research: W. D. Cooke.
Vice-President for Land Grant Affairs: Constance Cook.
Vice-President for Public Affairs: R. M. Ramin.
Vice-President for Medical Affairs: E. H. Luckey, m.d.
Vice-President for Planning and Facilities: Robert M. Matyas, ph.d.
Treasurer and Vice-President for Investments: Robert T. Horn.
Registrar: Eleanor Rice.
Librarian: J. Gormley Miller.

Library: *see* Libraries.

Number of teachers: *c.* 1,700.
Number of students: 17,689.

Publications: *Cornell Reports, Cornell Chronicle, Cornell Alumni News, Administrative Science Quarterly, Cornell Law Review, Cornell Plantations, Cornell Veterinarian Quarterly, Cornell Engineering Quarterly, Cornell Hotel and Restaurant Administration Quarterly, Graduate School of Nutrition News, Industrial and Labor Relations Review, Library Journal Quarterly, Philosophical Review, Cornell Countryman, Campus Guide, Campus Walks, Cornell Desk Book, Cornell in Perspective, Cornellian, Cornell Daily Sun, Epox, Facts About Cornell, Farm Research Quarterly, Food Topics, Human Ecology Forum, Introduction to Cornell, Music at Cornell, Sapsucker Woods,* 22 annual college catalogues.

Deans:

University Faculty: B. Saunders.
Graduate School: William W. Lambert.
Law School: Roger C. Cramton.
Medical College and Provost for Medical Affairs: Theodore Cooper.
Graduate School of Medical Sciences: Julian Rachele (acting).
College of Architecture, Art and Planning: K. C. Parsons, m.r.p.
College of Arts and Sciences: Harry Levin, ph.d.
College of Engineering: E. T. Cranch, ph.d.
New York State College of Veterinary Medicine: Edward C. Melby, Jr.
New York State College of Agriculture and Life Sciences: W. K. Kennedy, ph.d.
New York State College of Human Ecology: Jean Failing, ph.d.
School of Business and Public Administration: H. J. Davidson, m.a.
School of Hotel Administration: R. A. Beck, ph.d.
New York State School of Industrial and Labor Relations: R. B. McKersie.
Cornell University—New York Hospital School of Nursing: Eleanor C. Lambertsen, r.n., ed.d.

Directors:

African Studies and Research Center: J. E. Turner, m.a.
Center for International Studies: Milton J. Esman.
Center for Radiophysics and Space Research: Prof. T. Gold, m.a.
Center for Applied Mathematics: James H. Bramble.
National Astronomy and Ionosphere Center: Frank D. Drake.
Center for Environmental Research: Gilbert Levine.
Materials Science Center: Herbert H. Johnson.
Graduate Teaching and Research Center: R. H. Crawford, m.a., ph.d.
Program in Urban and Regional Studies: Barclay Jones, Gordon F. Fisher.
Society for the Humanities: Michael G. Kammen.
Center for Religion, Ethics and Social Policy: Philip Snyder.
Northeast Regional Center for Regional Development: Lee M. Day.
Laboratory of Ornithology: Douglas A. Lancaster.
Program on Science, Technology and Society: Raymond Bowers.
Agricultural Experiment Stations: Donald W. Barton, Noland L. Vandemark.
Summer Session and Extramural Courses: Martin W. Sampson.

Professors:

Law School:

Baker, D. I.
Blakey, G. R.
Cramton, R. C.
Curtiss, W. D.
Dean, W. T.
Forrester, W. R.
Hammond, Jane L.
Hanslowe, K. L.
Henn, H. G.
Hogan, W. E.
MacNeil, I. R.
Martin, P. W.
Pasley, R. S.
Penney, N.
Ratner, D. L.
Roberts, E. F.
Rossi, F. F.
Summers, R. S.
Thoron, G.
Younger, I.

Medical College:

Ahrens, E. H., Jr., Medicine
Anderson, L. L., Physics in Radiology
Armstrong, D., Medicine
Artusio, J. F., Jr., Anaesthesiology
Asch, S. S., Psychiatry
Auld, P. A., Paediatrics
Barber, H. R. K., Obstetrics and Gynaecology
Barondess, J. A., Medicine
Bearn, A. G., Medicine
Beattie, E. J., Jr., Surgery
Becker, C. G., Pathology
Becker, D. V., Radiology
Becker, E. L., Medicine
Bedford, J. M., Anatomy and Reproductive Biology
Bennett, D., Biology
Birnbaum, S. J., Obstetrics and Gynaecology
Bogdonoff, M. D., Medicine
Briscoe, W. A., Medicine
Brooks, D. C., Anatomy
Buchanan, J. R., Medicine
Burchenal, J. H., Medicine
Cahan, W. G., Surgery
Carlson, E. T., Psychiatry
Chan, W. W. Y., Pharmacology
Christian, C. L., Medicine
Chu, F. C.-H., Radiology
Clarkson, B. D., Medicine
Cooper, A. M., Psychiatry
Daniels, F., Jr., Medicine
Davis, E. W., Obstetrics and Gynaecology
Dineen, P., Surgery
Dougherty, J. W., Dermatology
Dunbar, H. S., Neurosurgery
Ehlers, K. H., Paediatrics
Ellis, J. T., Pathology
Engle, M. A., Paediatrics
Engle, R. L., Jr., Medicine
Evans, J. A., Radiology
Fitzgerald, P. J., Pathology
Fortner, J. G., Surgery
Freiberger, R. H., Radiology
Frosch, W. A., Psychiatry
Fuchs, F. F., Obstetrics and Gynaecology
Given, W. P., Obstetrics and Gynaecology
Goldberg, H. P., Paediatrics
Goldsmith, E. I., Surgery
Goldstone, S., Psychology
Good, R. A., Paediatrics
Goss, M. E. W., Sociology in Public Health
Goulian, D., Jr., Plastic Surgery
Grafstein, B., Physiology
Greif, R. L., Physiology
Hagamen, W. D., Jr., Anatomy
Hadley, S. J., Medicine
Harpel, P. C., Medicine
Haschemeyer, R. H., Biochemistry
Hawks, G. G., Obstetrics and Gynaecology
Heinemann, H. O., Medicine
Hilaris, B. S., Radiology
Hinkle, L. E., Medicine in Psychiatry
Horwith, M., Medicine
Howland, W. S., Anaesthesiology
Inglis, A. E., Anatomy and Orthopaedic Surgery
Javitt, N. B., Medicine
Kammerer, W. H., Medicine
Kappas, A., Pharmacology
Kean, B. H., Tropical Medicine and Public Health
Kellner, A., Pathology
Kirkham, F. T., Jr., Medicine
Kohl, R. N., Psychiatry
Krakoff, I. H., Medicine

Kramer, E. E., Obstetrics and Gynaecology
Krook, L., Pathology
Landesman, R., Obstetrics and Gynaecology
Levin, A. R., Paediatrics
Lewis, J. L., Jr., Obstetrics and Gynaecology
Lewy, J. E., Paediatrics
Ley, A. B., Medicine
Lhamon, W. T., Psychiatry
Lifshitz, F., Paediatrics
Luckey, E. H., Medicine
Marbury, B. E., Anaesthesiology
Marcus, A. J., Medicine
Marshall, V. F., Urology
Masterson, J. F., Psychiatry
McCrory, W. W., Paediatrics
McDowell, F. H., Neurology
McGovern, J. H., Urology
Meister, A., Biochemistry
Mellors, R. C., Pathology
Meyers, M. A., Radiology
Michels, R., Psychiatry
Miller, D. R., Paediatrics
Minick, C. R., Pathology
Moore, J. A., Oto-Rhino-Laryngology
Muecke, E. C., Surgery
Murphy, G. E., Pathology
Murphy, M. L., Paediatrics
Myers, W. P. L., Medicine
Nachman, R. L., Medicine
New, M. I., Paediatrics
Oettgen, H. F., Medicine
O'Leary, W. M., Microbiology
Patterson, R. H., Jr., Neurosurgery
Peterson, R. E., Medicine
Plum, F., Neurology
Poppensiek, G. C., Comparative Pathology
Posner, A. S., Biochemistry
Posner, J. B., Neurology
Potts, D. G., Radiology
Rachele, J. R., Biochemistry
Reader, G. G., Medicine
Redo, S. F., Surgery
Reis, D. J., Neurology
Riker, W. F., Jr., Pharmacology
Roberts, R. B., Medicine
Rubin, A. L., Biochemistry
Ruskin, R. A., Obstetrics and Gynaecology
Santos-Buch, C. A., Pathology
Saxena, B. B., Endocrinology
Schaefer, G., Obstetrics and Gynaecology
Scherer, W. F., Microbiology
Scherr, L., Medicine
Schottenfeld, D., Public Health
Shafer, D. M., Ophthalmology
Shapiro, A. K., Psychiatry
Shapiro, L. N., Psychiatry
Shapiro, T., Psychiatry
Sherlock, P., Medicine
Shires, G. T., Surgery
Silagi, S., Genetics in Obstetrics and Gynaecology
Silverberg, M., Paediatrics
Sirlin, J. L., Anatomy
Siskind, G. W., Medicine
Smith, G. P., Psychiatry
Sonenberg, M., Medicine
Stein, H. L., Radiology
Steinberg, H., Medicine
Stenzel, K. H., Biochemistry
Swan, R. C., Anatomy
Sweeney, W. J., III, Obstetrics and Gynaecology
Tatum, H. J., Obstetrics and Gynaecology
Thomas, L., Medicine and Pathology
Thompson, D. D Medicine
Thorbjarnson, B., Surgery
Topkins, Anaesthesiology
Torre, D. P., Dermatology
Van Poznak, A., Anaesthesiology
Whalen, J. P., Radiology
Whitmore, W. F., Urology
Whitsell, J. C., III, Surgery
Williams, J. R., Oto-Rhino-Laryngology
Wilson, P. D., Orthopaedics
Windhager, E. H., Physiology

College of Architecture, Art and Planning:
Architecture:
Canfield, T. H.
Greenberg, D. P.
Jacobs, S. W.
Kelly, B.
Kira, A.
Pearman, C. W.
Rowe, C.
Schack, M.
Shaw, J. P.
Stein, S. W.
Ungers, O. M.

Art:
Blum, Z.
Colby, V.
Dalby, N.
Evett, K.
Poleskie, S.
Seley, J.
Squier, J. L.

City and Regional Planning:
Czamanski, S.
Jones, B.
Kelly, B.
Parsons, K. C.
Reps, J. W.
Saltzman, S.
Stein, S. W.

College of Arts and Sciences:
Abrams, M. H., English
Adams, B. B., English
Ambegaokar, V., Physics
Ammons, A. R., Poetry
Anderson, J. M., Zoology, Genetics, Development and Physiology, Biological Sciences
Ascher, R., Anthropology and Archaeology
Ashcroft, N. W., Physics
Ashford, D., Government, Public and International Affairs
Austin, W. W., Musicology, Music
Banks, H. P., Botany
Bauer, S. H., Chemistry
Bendich, A., Biochemistry
Berkelman, K., Physics, Nuclear Studies
Berstein, I., Mathematics
Bishop, J. P., English
Black, M., Philosophy
Blackall, E. A., German Literature
Blackler, A. W. C., Zoology, Genetics, Development and Physiology, Biological Sciences
Bodman, N. C., Linguistics
Bowers, R., Physics
Boyse, E. A., Biology
Bramble, J. H., Mathematics
Brock, W. A., Economics
Brown, G. B., Biochemistry
Brown, S. M., Philosophy
Brown, T. M., History of Art
Caputi, A., English
Carlson, M. A., Theatre Arts
Cavalieri, L. F., Biochemistry
Chase, S. U., Mathematics
Chester, G. V., Physics, Atomic and Solid State Physics
Choi, Y. S., Biology
Clancy, J. H., Theatre Arts
Clark, D. D., Applied Physics
Colby, A. M., Romance Studies
Cole, LaM. C., Ecology, Ecology and Systematics, Biological Sciences
Cooke, W. D., Chemistry
Corson, D. R., Applied Physics and Physics
Cotts, R. M., Physics, Atomic and Solid State Physics
Danelski, D. J., Government
Davis, T. E., Economics
Day, S. B., Biology
DeHarven, E. P., Biology
DeWire, J. W., Physics
Drake, F. D., Astronomy
Earle, C. J., Mathematics
Echols, J. M., Linguistics, Modern Languages
Elias, R. H., English Literature and American Studies
Elledge, S. B., English
Farrell, R. H., Mathematics
Fay, R. C., Chemistry
Fisher, M. E., Chemistry, Physics and Mathematics
Fitchen, D B., Physics
Fogel, E. G., English
Fox, E. W., History
Fox, J. J., Biochemistry
Freed, J. H., Chemistry
Fuchs, W. H., Mathematics
Gair, J. W., Linguistics
Geiselmann, H. A., Mathematics
Gibian, G., Russian Literature
Gibson, Mrs. E. J., Psychology
Gibson, Q. H., Biochemistry, Biochemistry and Molecular Biology, Biological Sciences
Gilbert, P. W., Neurobiology
Gittelman, B., Physics
Golay, F. W., Economics and Asian Studies
Gold, T., Astronomy
Goldstein, M. J., Chemistry
Gomatos, P. J., Microbiology
Gottfried, K., Physics
Gowin, D. B., Educational Foundations
Greisen, K. I., Physics
Gross, L., Mathematics
Grossvogel, D. I., Comparative Literature and Romance Studies
Hall, R. A., Jr., Linguistics
Halpern, B. P., Psychology
Hammes, G. G., Chemistry and Biochemistry
Hand, L. N., Physics
Hartman, P. L., Physics and Applied Physics
Hartmanis, J., Computer Science
Hartwit, M. O., Astronomy
Hathaway, B. L., Humanities
Heppel, L. A., Biochemistry, Biochemistry and Molecular Biology, Biological Sciences
Hess, G. P., Biochemistry, Biochemistry and Molecular Biology, Biological Sciences
Hockett, C. F., Linguistics and Anthropology
Hoffman, R., Physical Science
Holcomb, D. F., Physics
Holdheim, W. W., Comparative Literature
Hopcroft, J. E., Computer Science
Hsu, J. T. H., Music
Hughes, R. E., Chemistry
Husa, K., Music
Hutchins, J. G. B., Business History and Transportation, Business and Public Administration
Hutchison, D. J., Microbiology
John, J. J., Palaeography, Medieval History
Jones, R. B., Jr., Linguistics
Jorden, E. H., Linguistics
Kahin, G. McT., International Studies
Kahl, J. A., Sociology
Kahn, A. E., Economics
Kahn, H. P., Fine Arts
Kammen, M. G., American History, History

Kaske, R. E., English
Kelley, G. B., Linguistics
Kenyon, A. J., Biology
Kesten, H., Mathematics
Kiefer, H., Mathematics
Kiersch, G. A., Geological Sciences
Kim, Y. B., Biology
Kinoshita, T., Physics, Nuclear Studies
Kirkwood, G. M., Classics
Kramnick, I., Government
Kretzmann, N., Philosophy
Kronik, J. W., Romance Studies
Krumshansl, J. A., Physics, Atomic and Solid State Physics
Kuckes, A. F., Applied Physics
Kufner, H. L., Linguistics, Modern Languages
LaFeber, W. F., American History, History
Lambert, W. W., Sociology, Psychology, Anthropology
Lambertsen, E. C., Nursing
Laughlin, J. S., Biophysics
Leavitt, T. W., History of Art
Lee, D. M., Physics
Leed, R. L., Linguistics
Levin, H., Psychology
Lichtenbaum, S., Mathematics
Likens, G. E., Ecology, Ecology and Systematics, Biological Sciences
Littauer, R. M., Physics
Liu, Ta-C., Economics
Livesay, G. R., Mathematics
Long, F. A., Chemistry, Science and Society
Lowi, T. J., American Institutions
Lynch, T. F., Anthropology
Lyons, D. B., Philosophy
Mahr, H., Physics
Malcolm, N., Philosophy
McCarthy, P. J., Economic and Social Statistics
McConkey, J. R., English
McFarland, W. N., Zoology
McGinnis, R., Sociology
McLafferty, F. W., Chemistry
Meinwald, J., Chemistry
Mermin, N. D., Physics
Messing, G. M., Classics and Linguistics
Miller, F. B., Manpower Studies, Industrial and Labour Relations
Miller, W. T., Chemistry
Morley, M. D., Mathematics
Morón-Arroyo, C., Spanish Literature
Morris, E. P., Romance Studies
Morrison, G. H., Chemistry
Mozingo, D. P., Government
Muetterties, E. L., Chemistry
Murra, J. V., Anthropology
Neisser, U., Psychology
Nelkin, M. S., Applied Physics
Nerode, A., Mathematics
Netanyahu, B., Judaic Studies
Newhall, H. F., Physics
Novarr, D., English
O'Brien R. D., Neurobiology and Behaviour
O'Connor, S. J., History of Art
Old, L. J., Biology
Orear, J., Physics
Palmer, R. M., Music
Pancaldo, S. M., Music
Parrish, S. M., English
Payne, L. E., Mathematics
Phillips, F. S., Pharmacology
Pohl, R. O., Physics, Atomic and Solid State Physics
Polenberg, R., American History
Porter, R. F., Chemistry
Pucci, P., Classics
Quester, G. H., Government
Racker, E., Biochemistry, Molecular and Cell Biology, Biological Sciences
Randell, D. M., Music
Reeder, W. W., Rural Sociology
Reppy, J. D., Physics, Atomic and Solid State Physics
Rhodin, T. N., Applied Physics
Richardson, R. C., Physics
Risley, R. F., Manpower Studies
Roe, A. S., History of Art
Rosecrance, R., International and Comparative Politics
Rosen, B. C., Sociology
Rosenberg, A., Mathematics
Rosenberg, E., English
Rothaus, O. S., Mathematics
Rubinow, S. I., Biomathematics
Rush, M., Government
Ryan, T. A., Psychology
Sagan, C. E., Astronomy
Salpeter, M. M., Applied Physics, Neurobiology and Behaviour, Physical Sciences
Salpeter, E. E., Physics, Astrophysics, Nuclear Studies
Salton, G., Computer Science
Sanders, F. K., Cell Biology
Scheinman, L., Government
Scheraga, H. A., Chemistry
Schwartz, M. K., Biochemistry
Seznek, A., Romance Studies
Sheffy, B. E., Nurtition
Shoemakers, S. S., Philosophy
Siegel, B. M., Applied Physics
Sienko, M. J., Chemistry
Sievers, A. J., Physics
Silbey, J., American History
Silcox, J., Applied Physics
Silsbee, R. H., Physics, Atomic and Solid State Physics
Silverman, A., Physics
Slatoff, W. J., English
Smith, R. J., Anthropology
Sokol, T. A., Music
Sola, D. F., Linguistics
Spencer, J. W., Agricultural Engineering
Spitzer, F. L., Mathematics
Staller, G. J., Economics
States, B. O., English and Theatre Arts
Stein, P. C., Physics
Stock, C. C., Biochemistry
Streib, G. F., Sociology
Strout, C., English
Stutman, O., Biology
Stycos, J. M., Sociology
Talman, R. M., Physics, Nuclear Studies
Tarrow, S. G., Government
Thornbecke, E., Economics
Tierney, B., Medieval History
Tsiang, S-C., Economics
Van Coetsem, F. C., Linguistics
Wah, H. Y., Jr., Economics
Wang, H.-C., Mathematics
Ward, W. B., Communication Arts
Wasmuth, W. J., Manpower Studies
Webb, W. W., Applied Physics
Weiss, L., Operations Research
Wetherbee, W. III, English
White, D. H., Physics
Whittaker, R. H., Biology, Ecology and Systematics, Biological Sciences
Widom, B., Chemistry
Wilcox, C. F., Chemistry
Wilkins, J. W., Physics
Williams, L. P., History
Wilson, K. G., Physics
Wimsatt, W. A., Zoology, Genetics, Development and Physiology, Biological Sciences
Wolf, W. B., Manpower Studies
Wolters, O. W., Southeast Asian History, History
Woodward, W. M., Physics
Wootton, J. F., Physiological Chemistry
Wu, R., Biochemistry
Wyatt, D. K., Southeast Asian History
Yennie, D. R., Physics
Young, M. W., History of Art

College of Engineering:

Anderson, J. R., Chemical Engineering
Ankrum, P. D., Electrical Engineering
Auer, P. L., Aerospace Engineering
Ballantyne, J. M., Electrical Engineering
Balluffi, R. W., Materials Science and Engineering
Batterman, B. W., Materials Science and Engineering and Applied Physics
Bechhofer, R. E., Operations Research
Belcher, D. J., Environmental Engineering
Berg, C. A., Mechanical and Aerospace Engineering
Bird, J. M., Geological Sciences
Bischoff, K. B., Chemical Engineering
Blakeley, J. M., Materials Science
Block, H. D., Theoretical and Applied Mechanics
Bolgiano, R., Jr., Electrical Engineering
Brutsaert, W. H., Civil Engineering
Bryant, N. H., Electrical Engineering
Burton, M. S., Materials Science and Engineering
Capranica, R. R., Electrical Engineering
Carlin, H. J., Electrical Engineering
Conta, B. J., Mechanical Engineering
Conway, H. D., Theoretical and Applied Mechanics
Conway, R. W., Computer Science and Operations Research
Cranch, E. T., Theoretical and Applied Mechanics and Mechanical Engineering
Dalman, G. C., Electrical Engineering
De Boer, P. C. T., Mechanical and Aerospace Engineering
Dworsky, L. B., Civil and Environmental Engineering
Eastman, L. F., Electrical Engineering
Erickson, W. H., Electrical Engineering
Farley, D. T., Jr., Electrical Engineering
Finn, R. F., Chemical Engineering
Fisher, G. P., Civil Engineering
Fulkerson, D. R., Engineering, Operations Research and Applied Mathematics
Gallagher, R. H., Civil Engineering, Structural Engineering
Gates, C. D., Civil Engineering
Harriott, P., Chemical Engineering
Johnson, H. H., Materials Science and Engineering
Lee, C. A., Electrical Engineering
Li, C.-Y., Materials Science and Engineering
Liang, T., Civil Engineering
Liboff, R. L., Electrical Engineering and Applied Physics
Linke, S., Electrical Engineering
Loehr, R. C., Agricultural Engineering and Environmental Engineering
Lucas, W. F., Operations Research and Applied Mathematics
Ludford, G. S. S., Theoretical and Applied Mechanics
Lynn, W. R., Environmental Engineering
Maxwell, W. L., Operations Research
McFarlane, R. A., Electrical Engineering
McGaughan, H. S., Electrical Engineering
McGuire, W., Structural Engineering
McIsaac, P., Electrical Engineering
McNair, A. J., Environmental Engineering
Moore, F. K., Mechanical Engineering
Nemhauser, G. L., Operations Research
Nichols, B., Electrical Engineering
Nilson, A. H., Structural Engineering
Oliver, J. E., Engineering
Osborn, R. E., Electrical Engineering

Pao, Y-H., Theoretical and Applied Mechanics
Phelan, R. M., Mechanical and Aerospace Engineering
Prabhu, N. U., Operations Research
Resler, E. L., Jr., Mechanical and Aerospace Engineering
Rodriguez, F. Chemical Engineering
Rosson, J. L., Electrical Engineering
Ruoff, A. L., Materials Science and Engineering
Saunders, B. W., Industrial Engineering and Operations Research
Schultz, A., Jr., Operations Research
Seebass, A. R., Mechanical and Aerospace Engineering
Shepherd, D. G., Mechanical Engineering
Slate, F. O., Civil Engineering
Smith, J. C., Chemical Engineering
Sudan, R. N., Applied Physics, Electrical Engineering
Tang, C. L., Electrical Engineering
Thorpe, J. S., Electrical Engineering
Torng, H-C., Electrical Engineering
Turcotte, D. L., Aerospace Engineering
Von Berg, R. L., Chemical Engineering
Vrana, N. M., Electrical Engineering
White, R. N., Civil and Environmental Engineering
Winter, G., Engineering, Structural Engineering
Wolga, G. J., Electrical Engineering and Applied Physics

New York State College of Veterinary Medicine:

Aronson, A. L., Veterinary Pharmacology
Bentinck-Smith, J., Clinical Pathology
Bergman, E. N., Veterinary Physiology
Boyer, C. I., Laboratory Animal Medicine
Calnek, B. W., Avian and Aquatic Animal Medicine
Carmichael, L. E., Virology
Coggins, L., Veterinary Virology
De Lahunta, A., Veterinary Anatomy
Dobson, A., Veterinary Physiology
Evans, H. E., Veterinary Anatomy
Fabricant, J., Avian and Aquatic Animal Medicine
Fox, F. H., Veterinary Obstetrics
Gasteiger, E. L., Physical Biology
Geary, J., Radiology
Georgi, J. R., Veterinary Parasitology
Gillespie, J. H., Veterinary Microbiology
Habel, R. E., Veterinary Anatomy
Hitchner, S. B., Avian and Aquatic Animal Medicine
Houpt, T. R., Veterinary Physiology
Kirk, R. W., Small Animal Medicine
Kramer, L., Veterinary Surgery
Krook, L. P., Veterinary Pathology
Lee, K. M., Virology
Lengemann, F. W., Radiation Biology
Lewis, R. M., Veterinary Pathology
McEntee, K., Veterinary Pathology
Melby, E. C., Veterinary Medicine
Norcross, N. L., Immuno-chemistry
Noronha, F. M., Veterinary Virology
Peckham, M. C., Avian and Aquatic Animal Medicine
Poppensiek, G. C., Comparative Medicine
Rickard, C. G., Veterinary Pathology
Sack, W. O., Veterinary Anatomy
Sellers, A. F., Veterinary Physiology
Sheffy, B. E., Nutrition
Stevens, C. E., Veterinary Physiology
Tapper, D. N., Physical Biology
Tasker, J. B., Clinical Pathology
Tennant, B. C., Comparative Gastroenterology
Wasserman, R. H., Radiation Biology
Whitlock, J. H., Veterinary Parasitology
Winter, A. J., Veterinary Microbiology

New York State College of Agriculture and Life Sciences:

Ainslie, H. R., Animal Science
Alexander, M., Soil Science
Allaway, W. H., Soil Science
Allee, D. J., Resource Economics
Andrus, H. G., Guidance and Personnel Administration
Aplin, R. D., Marketing, Agricultural Economics
Bail, J. P., Agricultural Education, Education
Barnett, M. L., Rural Sociology
Bateman, D. F., Plant Pathology
Baudfr, W. W., Rural Sociology
Berg, C. O., Aquatic Entomology
Bing, A., Floriculture and Ornamental Horticulture
Boodley, J. W., Floriculture
Boothroyd, C. W., Plant Pathology
Bouldin, D. R., Soil Science
Brann, J. L., Jr., Entomology
Bratton, C. A., Farm Management
Brown, W. L., Jr., Entomology
Bruce, R. L., Extension Education
Brunk, M. E., Marketing, Agricultural Economics
Cade, T. J., Ornithology
Cady, F. B., Biological Statistics
Capener, H. R., Rural Sociology
Cetas, R. C., Plant Pathology
Clausen, R. T., Biology
Clayton, R. K., Biology and Biophysics, Applied Physics
Conklin, H. E., Land Economics, Agricultural Economics
Conneman, G. J., Agricultural Economics
Crowder, L. V., International Plant Breeding
Cummings, G. J., Rural Sociology
Cushman, H. R., Agricultural Education, Education
Dallyn, S. L., Vegetable Crops
Day, L. M., Agricultural Economics
Delwiche, E. A., Microbiology, Biological Science
Dethier, B. E., Agricultural Climatology
Dewey, J. E., Insect Toxicology
Dickey, R. S., Plant Pathology
Dondero, N. C., Applied Microbiology
Dress, W. J., Botany
Drosdoff, M., Soil Science, Agronomy
Edgerton, L. J., Pomology
Eisner, T., Biology
Elliot, J. M., Animal Science
Everhart, W. A., Natural Resources
Ewing, E. E., Vegetable Crops
Federer, W. T., Biological Statistics, Biometrics Unit, Plant Breeding and Biometry
Fischer, R. B., Environmental Education
Foote, R. H., Animal Science
Forker, O. D., Marketing
Foss, E. W., Agricultural Engineering
Franclemont, J. G., Entomology
Freeman, C. H., Communication Arts
Furry, R. B., Agricultural Engineering
Glock, M. D., Educational Psychology, Education
Goodrich, D. C., Jr., Marketing
Grogan, C. O., Plant Breeding
Gunkel, W. W., Agricultural Engineering
Gyrisco, G. G., Entomology
Hamilton, L. S., Forestry
Hansel, W., Animal Science
Henderson, C. R., Animal Science
Hixon, L. B., Educational Administration
Hogue, D. E., Animal Science
Holley, R. W., Biochemistry
How, R. B., Agricultural Economics
Hudson, J. W., Zoology, Ecology and Systematics, Biological Sciences
Isenberg, F. M., Vegetable Crops
Jagendorf, A. T., Plant Physiology, Genetics, Development and Physiology, Biological Sciences
Jensen, N. F., Plant Breeding and Biometry
Johnson, W. T., Entomology and Plant Pathology
Jordan, W. K., Food Engineering, Food Science
Keeton, W. T., Biology, Neurobiology and Behaviour
Kingsbury, J. M., Botany
Korf, R. P., Plant Pathology
Kosikowski, F. V., Food Science
Langhans, R. W., Floriculture
Larson, O. F., Rural Sociology
Lathwell, D. J., Soil Science, Agronomy
Leagans, J. P., Extension Education, Education
Lemon, E. R., Soil Science, Agronomy
Levine, G., Agricultural Engineering
Lisk, D. J., Entomology and Limnology
Loomis, C. W., Farm Management, Agricultureal Economics
Lorbeer, J. W., Plant Pathology
Lowe, C. C., Plant Breeding
Lucey, R. F., Field Crops
Lutz, E. A., Public Administration
MacDonald, H. A., Agronomy
Mai, W. F., Plant Pathology
March, R., Dairy Science
Markwardt, E. D., Agricultural Engineering
Martin, R. D., Communication Arts
McDowell, R. E., International Animal Science
Mellor, J. W., Agricultural Economics
Millar, R. L., Plant Pathology
Miller, J. I., Animal Science
Miller, R. D., Soil Physics
Miller, W. F., Agricultural Engineering
Millman, J., Educational Research Methodology
Minges, P. A., Vegetable Crops
Moore, H. E., Jr., Botany
Morison, R. S., Biology
Morrow, R. R., Natural Resources
Morse, R. A., Apiculture
Muka, A. A., Entomology and Limnology
Munger, H. M., Plant Breeding and Vegetable Crops
Murphy, R. P., Plant Breeding
Musgrave, R. B., Field Crops, Agronomy
Naylor, H. B., Microbiology, Biological Sciences
Novak, J. D., Science Education, Education
Ostrander, C. E., Poultry Science
Over, E. B., Vegetable Crops
Padberg, D. I., Marketing
Palm, C. E., Entomology
Paolillo, D. J., Botany
Pardee, W. D., Plant Breeding and Crop Science
Patton, R. L., Insect Physiology
Pauk, W. J., Education
Pechuman, L. L., Entomology
Pimentel, D., Entomology and Limnology
Plaisted, R. LeRoy, Plant Breeding and Biometry
Potter, N. N., Food Science
Powell, L. E., Pomology
Reid, J. T., Animal Science
Ripple, R. E., Psychological Foundations
Robinson, K. L., Agricultural Economics

Robson, D. S., Biological Statistics
Rochow, W. F., Plant Pathology
Rockcastle, V. N., Science and Environmental Education
Russell, C. C., Communication Arts
Schaaf, H. N., Plant Breeding and Biometry
Schano, E. A., Poultry Science
Schatz, G., Biochemistry
Scott, T. W., Soil Science
Seaney, R. R., Crop Science and Plant Breeding
Searle, S. R., Biological Statistics
Seeley, H. W., Jr., Microbiology, Biological Sciences
Seeley, J. G., Floriculture and Ornamental Horticulture
Sheldrake, R., Vegetable Crops
Shepardson, E. S., Agricultural Engineering
Sherf, A. F., Plant Pathology
Shipe, W. F., Food Science
Sisler, D. G., Agricultural Economics
Slack, S. T., Animal Science
Smith, E. H., Entomology
Smith, R. S., Labour Economics and Income Security Farm Finance, Agricultural Economics
Smith, S. E., Animal Science
Spalding, R. W., Animal Science
Srb, A. M., Genetics, Development and Physiology, Biological Sciences
Stanton, B. F., Farm Management
Stinson, H. T., Jr., Genetics, Development and Physiology, Biological Sciences
Stone, E. L., Jr., Forest Soils
Story, R. P. Marketing
Stutz, F. H., History of Education
Sweet, R. D., Vegetable Crops
Taietz, P., Rural Sociology
Thurston, H. D., Plant Pathology
Tom, F. K. T., Agricultural Education
Tomek, W. G., Prices
Trimberger, G. W., Animal Science
Tukey, H. B., Jr., Ornamental Horticulture
Uhler, L. D., Biology, Ecology and Systematics, Biological Sciences
Van Demark, P. J., Microbiology
Van Soest, P. J., Animal Nutrition
van Tienhoven, A., Animal Physiology
Van Vleck, L. D., Animal Science
Wallace, B., Genetics
Wallace, D. H., Vegetable Crops and Plant Breeding
Wardeberg, Miss H. L., Elementary Education and Supervision
Warner, R. G., Animal Science
Webster, D. A., Fishery Biology
Wellington, G. H., Animal Science
Wilcox, J., Education
Williams, R. M., Jr., Social Science
Winch, F. E., Jr., Forestry, Conservation
Winkelblech, C. S., Agricultural Engineering
Wright, M. J., Agronomy
Young, F. W., Rural Sociology
Zaitlin, M., Plant Pathology
Zwerman, P. J., Soil Conservation

New York State College of Human Ecology:
Communication Arts:

Stephen, V. R.
White, Shirley A.

Community Service Education:

Blackwell, Sara
Lazar, I.
Nelson, Helen Y.
Rhodes, Kathleen

Consumer Economics and Public Policy:

Bryant, W. K.
Bymers, Gwen J.
Maynes, E. S.
Walker, Kathryn E.
Wiegand, Elizabeth

Design and Environmental Analysis:

Carreiro, J.
Purchase, Mary
Steidl, Rose
Straight, Clara

Human Development and Family Studies:

Bayer, Helen T. M.
Brittain, W. L.
Bronfenbrenner, U.
Devereux, E. C.
Doris, J. L.
Feldman, H.
Ricciuti, H. N.
Suci, G.

Nutritional Sciences:

Barnes, R. H.
Gaylor, J. L.
Hester, E. Elizabeth
Krook, L. P.
Latham, M. C.
McCormick, D.B.
Morrison, Mary A.
Pond, W. G.
Rivers, J. M.
Scott, M. L.
Visek, W. J.
Washbon, Marjorie B.
Wasserman, R. H.
Wright, L. D.
Young, R. J.
Zilversmit, D. B.

School of Business and Public Administration:

Bierman, H., Jr.
Brooks, E.
Bugliari, J. B.
Davidson, H. J.
Dotson, A. T.
Esman, M. J.
Knapp, D. C.
Lind, R. C.
Lodahl, T. M.
Smidt, S.
Thomas, D. A.
Weick, K. E.

School of Hotel Administration:

Beck, R. A.
Christian, V. A.
Davis, S. W.
Sherry, J. H.
White, J. C.

New York State School of Industrial and Labor Relations:
Collective Bargaining, Labor Law, and Labor History:

Cullen, D. E.
Doherty, R. E.
Donovan, R.
Hanslowe, K. L.
Hildebrand, G. H.
Kelly, M. A.
McKersie, R. B.
Morris, J. O.
Neufeld, M. F.
Ross, P.
Windmuller, J. P.

Economic and Social Statistics:

Blumen, I.
McCarthy, P. J.

Organizational Behavior:

Gordon, G.
Gruenfeld, L. W.
Rosen, N. A.
Trice, H. M.
Whyte, W. F.
Williams, L. K.

Labor Economics and Income Security:

Aronson, R. L.
Clark, M. G.
Ferguson, R. H.
Galenson, W.
Hildebrand, G. H.
MacIntyre, D. M.
Slavick, F.
Stoikov, V.

New York State Agricultural Experiment Station at Geneva, New York:

Bourne, M. C., Insect Physiology
Braun, A. J., Plant Pathology
Forshey, C. G., Pomology
Gilmer, R. M., Plant Pathology
Glass, E. H.. Entomology
LaBelle, R. L., Food Science and Technology
Lienk, S. E., Entomology
Marx, G. A., Vegetable Crops
Massey, L. M., Jr., Biochemistry
Mattick, L. R., Food Science
Moyer, J. C., Chemistry
Nittler, LeR. W., Seed Investigations
Peck, N. H., Vegetable Crops
Robinson, W. B., Food Science and Technology
Schaefers, G. E., Entomology
Shallenberger, R. S., Biochemistry
Shaulis, N. J., Viticulture
Splittstoesser, D. F., Microbiology
Steinkraus, K. H., Bacteriology
Szkolnik, M., Plant Pathology
Taschenberg, E. F., Entomology
Tashiro, H., Entomology
Van Buren, J. P., Biochemistry
Vittum, M. T., Vegetable Crops
Way, R. D., Pomology

DAEMEN COLLEGE

4380 MAIN ST.,
AMHERST, N.Y. 14226
Telephone: (716) 839-3600.

Founded 1948 as Rosary Hill College; name changed 1976.

Liberal arts and sciences.

President: Robert S. Marshall, ph.d.
Director of Admissions: Peter W. Stevens.

The library contains 81,000 vols.
Number of teachers: 100.
Number of students: 1,300.

D'YOUVILLE COLLEGE

320 PORTER AVENUE,
BUFFALO, N.Y. 14201
Telephone: 886-8100.

Founded 1908.

Founded by the Grey Nuns of the Sacred Heart.

President: Sister Mary Charlotte Barton.
Executive Vice-President: Dr. Earl J. Boggan.
Dean of Faculty: Dr. Duane Kofal.
Registrar: Sister Rita Margraff.
Admissions: Arnold A. Andrusz.
Development: Robert F. Beechler.
Librarian: Mrs. Ellen H. Smith.

The library contains 100,000 vols.
Number of teachers: 90.
Number of students: 1,400.

ELMIRA COLLEGE

ELMIRA, N.Y. 14901
Founded 1855.

President: Dr. LEONARD T. GRANT.
Academic Dean: (vacant).
Dean of Student Services: Dr. SIDNEY J. MANN.
Dean of Admissions: CHARLES R. MILLER.
Dean, Center for Personal and Professional Development: Dr. FRANK X. BRADY.
Director of Development: (vacant).
Comptroller: ROBERT F. ALBRIGHT.

The library contains 129,000 vols.

Number of students: 1,172 full-time, 1,710 part-time, total 2,882.

FORDHAM UNIVERSITY

FORDHAM RD.,
BRONX, N.Y. 10458
and at
LINCOLN CENTER,
NEW YORK, N.Y. 10023
Telephone: (212) 933-2233.

Founded by Rt. Rev. John Hughes, first Roman Catholic Archbishop of New York, in 1841 as St. John's College. Incorporated as a university 1846. Name changed to Fordham University 1907.

President: Rev. JAMES C. FINLAY, S.J., PH.D.
Executive Vice-President: PAUL J. REISS.
Vice-President for Academic Affairs: JOSEPH F. X. MCCARTHY, PH.D.
Financial Vice-President and Treasurer: Bro. JAMES M. KENNY, S.J.
Vice-President for Administration: GEORGE J. MCMAHON, S.J., PH.D.
Vice-President for Student Affairs: WILLIAM J. CRAWLEY III, M.A.
Provost: Rev. FRANCIS C. MACKIN, S.J.
Director of Admissions: RICHARD T. WALDRON, M.A.
Registrar: JOHN P. CLOHESSY, M.A.
Director of Libraries: Miss ANNE M. MURPHY, M.L.S.

The library contains 927,159 volumes.
Number of teachers: 810.
Number of students: 14,990.

Publications: *Thought* (quarterly), *International Philosophical Quarterly*, *Traditio* (annual).

DEANS:

Fordham College: Rev. ROBERT J. ROTH, PH.D.
Thomas More College: (vacant).
Graduate School of Arts and Sciences: Rev. HARRY J. SIEVERS, S.J., PH.D.
Graduate School of Business Administration: ROBERT J. SENKIER, PH.D.
Graduate Institute of Religious Education: Rev. VINCENT M. NOVAK, S.J., S.T.D.
School of Business Administration: ROBERT J. SENKIER, PH.D.
School of Education: JONATHAN C. MESSERLI, PH.D.
School of Law: JOSEPH M. MCLAUGHLIN, LL.M.
College of Liberal Arts: GEORGE W. SHEA, PH.D.
School of Social Service: MARY ANN QUARANTA.
School of General Studies: (vacant).
Summer Session: A. P. LEVACK, M.A., PH.D.

HAMILTON COLLEGE

CLINTON, N.Y. 13323

Founded 1793 as Hamilton-Oneida Academy; Chartered as Hamilton College 1812.

President: J. MARTIN CAROVANO.
Dean: W. L. GULICK.

The library contains 325,905 vols.
Number of teachers: 85.
Number of students: 960 (men).

HARTWICK COLLEGE

ONEONTA, N.Y. 13820
Telephone: (607) 432-4200.
Founded 1928.

Private Liberal Arts College; Academic year: September to June (three terms).

President: Dr. PHILIP S. WILDER, Jr. (acting).
Vice-President for Educational Affairs: Dr. CAROL A. HAWKES.
Vice-President for Planning and Development: DONALD E. BROWN.
Vice-President for Financial Affairs: WALTER R. KUHN.
Registrar: D. C. MARSH.
Director of Libraries: E. VON BROCKDORFF.

The library contains 150,000 vols.
Number of teachers: 114.
Number of students: 1,500.

HOBART AND WILLIAM SMITH COLLEGES

(The Colleges of the Seneca)

GENEVA, N.Y. 14456

Hobart founded 1822, William Smith founded 1908.

President: A. A. KUUSISTO.
Provost: H. C. DUNATHAN.
Treasurer: W. P. VAN ARSDALE.
Librarian: P. W. CRUMLISH.

Number of teachers: 125 including 35 professors.

Number of students: Hobart: 1,047 men; William Smith: 701 women.

Publications: *Catalogue*, *Quarterly Bulletin*.

DEANS:

Hobart: Dr. C. E. LOVE, Jr.
William Smith: C. A. YOUNG.

HOFSTRA UNIVERSITY

1000 FULTON AVENUE,
HEMPSTEAD, LONG ISLAND,
N.Y. 11550
Telephone: (516) 560-0500.
Founded 1935.

President: Dr. JAMES M. SHUART.
Provost: Dr. HAROLD E. YUKER.
Vice-President and Treasurer: A. T. PROCELLI.
Director of University Relations: HAROLD A. KLEIN.
Registrar: GERARD COTÉ.
Director of Admissions: MARC DION.
Dean of Library Services: Dr. CHARLES R. ANDREWS.

The library contains 720,000 vols.
Number of teachers: 620.
Number of students: 11,500.

DEANS:

School of Business: Dr. H. LAZARUS.
School of Education: Dr. J. VAN BUREN.
College of Liberal Arts and Sciences: Dr. ROBERT VOGT.
School of Law: AARON D. TWERSKI.
Dean of New College: DAVID CHRISTMAN.
Dean of University College: Dr. H. LICHTENSTEIN.
Director of Alumni College: RICHARD BENNETT.
Dean of Continuing Education: Dr. LEONA SELDOW.

HOUGHTON COLLEGE

HOUGHTON, N.Y. 14744
Telephone: (716) 567-2211.
Founded 1883.

President: D. R. CHAMBERLAIN.
Academic Dean: F. D. SHANNON.
Director of Admissions and Records: R. J. ALDERMAN.
Librarian: Mrs. JOYCE MOORE.

The library contains 147,000 vols.
Number of teachers: 76.
Number of students: 1,250.

IONA COLLEGE

NEW ROCHELLE,
NEW YORK, N.Y. 10801

President: Bro. JOHN G. DRISCOLL.
Executive Vice-President: Bro. CHARLES B. QUINN.
Vice-President for Finance and Administration: VINCENT J. DOUGHERTY.
Dean, School of Arts and Sciences: Dr. ROBERT R. BEARDSLEY.
Dean, School of Business Administration: Dr. CLARKE C. JOHNSON.
Registrar: (vacant).
Librarian: PATRICK J. LARKIN.

Number of students: 4,975.

ITHACA COLLEGE

ITHACA, N.Y. 14850
Telephone: (607) 274-3111.
Founded 1892.

President: James J. Whalen.
Registrar: J. Stanton.
Director of Admissions: M. Wall.
Librarian: Meryle Gaston (acting).

The library contains 270,000 vols.

Number of teachers: 272 full-time, 120 part-time, total 392.

Number of students: 4,700.

Publications: *Bulletin for Admissions*†, *Undergraduate Announcements*†, *Graduate and Continuing Education Announcements*, *Ithaca College Outlook*, *Ithaca Horizon* (quarterly).

JUILLIARD SCHOOL

LINCOLN CENTER,
NEW YORK, N.Y. 10023
Founded 1905.

President: Peter Mennin.
Dean: G. Waldrop.
Registrar: Mary H. Smith.

The library contains 38,000 music scores and 12,000 books; the record library contains 8,000 long-playing records and tapes.

Number of instructors: 150.

Number of students: 1,000.

KEUKA COLLEGE

KEUKA PARK, N.Y. 14478
Telephone: (315) 536-4411.
Founded 1890.

President: Eric J. Stettner (acting).
Registrar: Thelma V. Flynn.
Librarian: Dorothy C. Manning.

The library contains 89,000 vols.

Number of teachers: 54.

Number of students: 600.

LADYCLIFF COLLEGE

HIGHLAND FALLS,
N.Y. 10928
Telephone: (914) 446-4747.
Founded 1933.

President: Rev. Mgr. Francis J. Breidenbach, ph.d.
Administrative Vice-President and Dean of Academic Affairs: Sister Jeanne Marie Gilligan, f.m.s.c.
Dean of Students: Sister Mary Cahalan, f.m.s.c.
Registrar: Sister Bonaventure Bellarmino, f.m.s.c.
Director of Admissions: Sister Eileen Mary Halloran, f.m.s.c.
Librarian: Sister Barnabas Hall, f.m.s.c.

The library contains 56,000 volumes.

Number of teachers: 47.

Number of students: 450.

LE MOYNE COLLEGE

LE MOYNE HEIGHTS,
SYRACUSE, N.Y. 13214
Telephone: 446-2882.
Founded 1946.

President: Rev. William J. O'Halloran, s.j.
Academic Dean: Rev. J. A. Dinneen, s.j.
Director of Admissions: E. J. Gorman.
Librarian: Dr. T. J. Niemi.

The library contains 100,000 volumes.

Number of teachers: 131.

Number of students: 1,918.

LONG ISLAND UNIVERSITY

BROOKVILLE,
LONG ISLAND, N.Y.
Telephone: (516) 299-2501
Founded 1926.

Chancellor: Albert Bush-Brown.
Vice-Chancellor: Dr. David Newton.

The Brooklyn Center:
President: E. Clark.
Dean, Richard L. Conolly College: Felice Lewis.
Librarian: Dr. E. Gatner.
Dean, College of Business: A. Johnson.

C. W. Post Center:
President: E. Cook.
Librarian: D. Ungarelli.

Deans:

C. W. Post College: Donald Frank.
Undergraduate School of Business: A. Prusmack.
Graduate School of Business: P. K. Iyengar.
School of Fine Arts: Julian Mates.
School of Professional Accountancy: Charles Zwicker.
Graduate and Undergraduate Schools of Education: Helen Greene.
Palmer Graduate Library School: Dr. Mohammed Aman.

Brooklyn College of Pharmacy:
President: A. G. Zupko.

Southampton Center:
President: H. A. Marmion.
Dean: W. T. Burke.
Librarian: R. Gerbereux.

The libraries contain 488,000 vols.

Number of teachers: 1,000 (approx.).

Number of students: 24,400.

MANHATTAN COLLEGE

RIVERDALE, BRONX, N.Y. 10471

Founded as Academy of the Holy Infancy 1853; Chartered as Manhattan College 1863 (Private: co-educational)

President and Treasurer: Bro. J. Stephen Sullivan, f.s.c., s.t.d.
Executive Vice-President and Provost: Bro. Patrick S. McGarry, f.s.c., ph.d.
Vice-President for Student Services: Jerome P. Cashman, ph.d.
Vice-President for Administrative Services: Thomas S. Lennon, m.a., j.d.
Controller: W. B. Austin, b.b.a.
Bursar: T. P. O'Connor, b.b.a.
Vice-President for College Relations, Alumni and Development: Bro. Malcolm O'Sullivan, f.s.c., ed.d.
Registrar: E. B. Teifeld, b.a.
Director of Library: Bro. Philip M. Dowd, f.s.c., m.s. in l.s., ph.d.

The library contains 228,458 vols.

Number of teachers: 305.

Number of students: 4,570.

Deans:

Arts and Sciences: Bro. Francis R. Bowers, f.s.c., ph.d.
Engineering: Bro. C. T. Burris, f.s.c., ph.d.
Business: R. F. Vizza, ph.d.
Teacher Preparation: Bro. A. J. Norton, f.s.c., ph.d.
General Studies: T. E. Chambers, m.b.a.
Graduate Division: Bro. A. L. Garraviglia, f.s.c., litt.d.

MANHATTAN SCHOOL OF MUSIC

120 CLAREMONT AVE.,
NEW YORK, N.Y. 10027
Telephone: (212) 749-2802.
Founded 1917.

Professional School of Music Performance, Composition, Theory.

President: John O. Crosby.
Administration for the President: Peggy Tueller.
Dean: David S. Simon.

The libraries contain over 70,000 vols.

Number of teachers: 270.

Number of students: 1,300.

MANHATTANVILLE COLLEGE

PURCHASE, N.Y. 10577
Telephone: (914) 946-9600.
Founded 1841.

President: Dr. Barbara Knowles Debs.
Provost: Dr. Raymond J. Langley.
Dean of Faculty: Dr. Marlene Fisher.

The library contains over 200,000 volumes.

Number of teachers: 156.

Number of students: 2,296.

MARIST COLLEGE

NORTH RD., POUGHKEEPSIE,
N.Y. 12601
Telephone: (914) 471-3240.
Founded 1946.

President: Linus R. Foy.
Vice-President: Edward Waters.
Academic Dean: Louis C. Zuccarello.
Registrar: John Dwyer.
Director of Admissions: James E. Daly.
Librarian: A. N. Perrault.

The library contains 82,434 vols.

Number of teachers: 114.

Number of students: 1,984.

MARYMOUNT COLLEGE

TARRYTOWN, N.Y. 10591
Telephone: (914) 631-3200.
Founded 1907.

President: Dr. Robert E. Christin.
Director of Admissions: Sister Maria Timoney, R.S.H.M.
Librarian: Sister Virginia McKenna, R.S.H.M.

The library contains 90,000 volumes.

Number of teachers: 83.

Number of students: 1,006.

MARYMOUNT MANHATTAN COLLEGE

221 EAST 71ST STREET,
NEW YORK, N.Y. 10021
Telephone: (212) 472-3800.
Founded 1936, chartered 1961.

President: Colette Mahoney, R.S.H.M.
Academic Dean: Eilene Bertsch.
Director of Development: Helen Lowe.
Chief Business Manager: W. S. Catherwood.
Dean of Students: Sara Arthur.

The library contains 52,000 vols.

Number of teachers: 140.

Number of students: 626 full-time, 1,314 part-time.

NAZARETH COLLEGE OF ROCHESTER

4245 EAST AVE., ROCHESTER, N.Y. 14610
Founded 1924.

President: Robert A. Kidera, M.A., L.H.D.
Dean: Sr. Marion A. Hoctor, S.S.J., PH.D.
Registrar: Patricia C. deSouza, B.A.
Librarian: Richard A. Matzek, M.A.L.S.

Number of books in library: 172,452.

Number of students: 1,110.

Publications: *Gleaner*, *Verity*, *Sigillum*.

NEW SCHOOL FOR SOCIAL RESEARCH

66 WEST 12TH STREET,
NEW YORK, N.Y. 10011
Founded 1919.

President: John R. Everett.

The library contains 175,000 vols.

Number of teachers: *c.* 1,500.

Number of students: 27,000.

Publications: *Social Research* (quarterly), *City Almanac* (2 a month), *Fiscal Observer* (2 a week).

Deans:

Graduate Faculty of Political and Social Science: J. J. Greenbaum.
New School Adult Division: A. Austill.
Undergraduate Division: E. Coleman.
Center for New York City Affairs: Henry Cohen.
Parsons School of Design: David C. Levy.

NEW YORK UNIVERSITY

WASHINGTON SQUARE,
NEW YORK, N.Y. 10012
Telephone: 598-1212.
Founded 1831.

President: John Sawhill, PH.D.
Chancellor and Executive Vice-President: Sidney Borowitz, M.S., PH.D.
Vice-Chancellor: A. L. Goren, B.S., A.M.
Vice-President and Treasurer: J. P. Whiteside, M.B.A., C.P.A.
Vice-President and General Counsel, Secretary of the University: James Kirby, LL.M.
Vice-Chancellor for Academic Planning and Services: L. J. Oliva, A.M., PH.D.
Vice-President for Institutional Facilities: J. M. O'Mara, A.B., LL.B.
Vice-President for Health Affairs: Ivan L. Bennett, A.B., M.D.
Deputy Chancellor: Eleazer Bromberg, A.M., PH.D.
Deputy Chancellor for Administrative Services and Director of the University Budget: Morton Meyers, M.S.
Executive Vice-President for Planning and Development: William F. Payne, M.S.
Vice-Chancellor for Federal Relations and Director of Sponsored Programs: Sidney G. Roth, A.M.

Publications: *The Explorer* (6 a year), *N.Y.U. Alumni News* (monthly), *N.Y.U. Medical Quarterly*, *The Drama Review* (quarterly), *N.Y.U. Education Quarterly*, *N.Y.U. Law Review* (6 a year), *Washington Square Daily News* (4 a week), *Minetta Review* (annually), *Romanica*† (twice a year), *Historian*† (annually), *Commentator*† (twice a week), *Opportunity* (irregular).

Library: *see* Libraries.

Number of teachers: 4,000.

Number of students: 30,000.

Deans:

Faculty of Arts and Science: R. Bayly Winder, A.M., PH.D.
School of Law: R. B. McKay, LL.B.
School of Medicine and Post-Graduate Medical School: Ivan L. Bennett, A.B., M.D.
College of Dentistry: H. Blechman, A.M., D.D.S.
Graduate School of Arts and Science: Robert R. Raymo, A.M., PH.D.
School of Education: D. E. Griffiths, ED.M., PH.D.
College of Business and Public Administration: Abraham L. Gitlow, A.M., PH.D.
Washington Square and University College of Arts and Science: Philip Mayerson, PH.D.
Graduate School of Business Administration: William R. Dill, M.S., PH.D.
Courant Institute of Mathematical Sciences: Peter D. Lax, PH.D.
School of Continuing Education and Extension Services: R. F. W. Smith, A.M.
Graduate School of Public Administration: Dick Netzer, A.M., M.P.A., PH.D.
School of Social Work: Jack R. Goldberg, A.M., ED.D.
School of the Arts: David J. Oppenheim, MUS.B.
University Libraries: Carlton C. Rochell, PH.D.

NIAGARA UNIVERSITY

N.Y. 14109
Telephone: Butler 5-1212.
Founded 1856.

President: Gerard M. Mahoney, C.M.
Academic Vice-President: Dr. John B. Stranges.
Registrar: David L. Symes, C.M.
Librarian: George M. Telatnik (acting).

The library contains 166,506 vols.

Number of teachers: 243.

Number of students: 3,477.

Publications: *Index* (weekly), *Niagaran* (annually), *Aquila* (twice yearly).

Deans:

College of Arts and Sciences, Director Graduate School of Arts and Sciences: Rev. Carey J. Leonard.
College of Business Administration: Donald P. Goodman.
School of Education, Director of Graduate School of Education: J. A. Prince.
College of Nursing: Sister Aloise A. Zasowska, C.S.S.F.
Students: Donald J. Harrington, C.M.
Special Programmes, Summer and Evening Divisions: Rev. Daniel F. O'Leary, O.M.I.

NYACK COLLEGE

NYACK, N.Y. 10960
Telephone: (914) 358-1710.
Founded 1882.

President: Dr. Thomas P. Bailey.
Vice-President and Dean of the College: Dr. Paul D. Collord.
Vice-President and Dean of Students: Mrs. Elizabeth C. Jackson.
Vice-President and Treasurer: James M. Mitchell, Jr.
Vice-President and Executive Director of Graduate School: Dr. Wendell W. Price.
Registrar: Rev. Jay Mapstone.
Librarian: Miss May K. Leo.

The library contains 62,000 vols.

Number of teachers: 64.

Number of students: 770.

PACE UNIVERSITY

PACE PLAZA,
NEW YORK, N.Y. 10038
Telephone: 285-3000.
Founded 1906.

Branch campuses at Pleasantville, White Plains (formerly College of White Plains), and Briarcliff (formerly Briarcliff College).

President: Dr. Edward J. Mortola.
University Registrar: P. Mount.
University Librarian: H. Birnbaum.

The library contains 608,800 vols. and 2,400 periodicals.

Number of teachers: 1,000.
Number of students: 20,100.

POLYTECHNIC INSTITUTE OF NEW YORK

333 JAY ST.,
BROOKLYN, N.Y. 11201
Telephone: (212) 643-5000.
Founded 1854.

President: George Bugliarello.
Vice-President for Administration and Finance: Seymour Scher.
Provost: Albert Gold.
Registrar: Lawrence E. Gold.
Librarian: L. Cohan.

Number of teachers: 217.
Number of students: 4,606.

Deans:

Arts and Sciences: Bernard J. Bulkin.
Engineering: A. B. Giordano (acting).
Graduate Studies: A. B. Giordano.
Special Programs: George J. Fischer.

PRATT INSTITUTE

215 RYERSON ST.,
BROOKLYN, N.Y. 11205
Founded 1887.

President. Richardson Pratt, Jr.
Vice-President, Student Services: John Klinzing, Ph.D.
Registrar: W. J. Novak, M.A.
Librarian: (vacant).

Number of teachers: 448.
Number of students: 4,400.

Publications: *Pratt Institute Catalogue*, *Pratt Reports*† (quarterly), *Pratt Campus*† (every two weeks), *Annual Report*.

Deans:

School of Art and Design: Bruce Sharpe, B.F.A., M.B.A.
School of Architecture: Constantine Karalis, M.Arch.
School of Engineering: William S. Staikidis, Ph.D.
School of Liberal Arts and Sciences: I. Friedman, B.S., M.S.E.S.
School of Library and Information Science: N. Sharify, Lic. ès L., M.S., D.L.S.

RENSSELAER POLYTECHNIC INSTITUTE

110 8th STREET, TROY,
N.Y. 12181
Telephone: 270-6000.
Founded 1824.

President: George M. Low, M.Aero.E.
Provost: (vacant).
Vice-President: Alan C. Olsson, A.B.
Director, Office of Contracts and Grants: Joseph M. LoGiudice, M.S.
Registrar: J. Rogers O'Neill, D.Ed.
Librarian: James C. Andrews, M.S.L.S.

The library contains 265,431 vols.

Number of teachers: 344.
Number of students: 5,097 full-time, 603 part-time.

Publications: *Graduate Catalogue*, *Undergraduate Catalogue* (annually).

Deans and Directors:

Science: Samuel C. Wait, Jr., Ph.D. (acting).
Engineering: George S. Ansell, Ph.D.
Humanities and Social Sciences: Thomas Phelan, S.T.L.
Architecture: Patrick J. Quinn, M.Arch.
Graduate School: Stephen E. Wiberley, Ph.D.
Management: Joseph A. Steger, Ph.D.
Students: Carl A. Westerdahl, B.A.
Director of Continuing Studies: Richard J. Teich, M.S.

ROBERTS WESLEYAN COLLEGE

ROCHESTER, N.Y. 14624
Telephone: (716) 594-9471.
Founded 1866.

President: Paul L. Adams.
Executive Vice-President: William F. Brunk.
Academic Dean: A. Walter Kaufmann.
Dean of Students: F. Dean Nemecek.
Registrar: Donald F. Mohnkern.
Director of Admissions: David C. Morrow.
Librarian: A. C. Krober.

The library contains 75,500 vols.

Number of teachers: 75.
Number of students: 635.

Publication: *PRISM* (6 a year).

ROCHESTER INSTITUTE OF TECHNOLOGY

ONE LOMB MEMORIAL DRIVE,
ROCHESTER, N.Y. 14623
Telephone: (716) 475-2411.

Founded in 1829 as the Rochester Athenaeum.

President: Paul A. Miller, M.S., Ph.D.
Provost and Vice-President for Academic Affairs: T. Bullard.
Senior Vice-President for Institutional Advancement: D. R. Frisina, Ph.D.
Vice-President for Finance and Administration: Jon L. Prime.
Vice-President for Student Affairs: F. W. Smith, Ph.D.
Director, National Technical Institute for the Deaf: William E. Castle, Ph.D.
Librarian: G. D. MacMillan.

The library contains 167,000 vols.

Number of teachers: 542 full-time, 445 part-time.
Number of students: 12,514.

Deans:

Institute College: Dr. R. I. Satre.
Business: Dr. E. A. Johnson.
Fine and Applied Arts: Dr. R. H. Johnston.
Graphic Arts and Photography: L. K. Engelmann, M.S., Ph.D.
Engineering: Dr. R. A. Kenyon.
Science: T. P. Wallace, Ph.D.
General Studies: Dr. M. Sullivan.
National Technical Institute for the Deaf: Dr. William Castle.
College of Continuing Education: Harold Alford, M.A., Ph.D.
Graduate Studies: Dr. P. Bernstein.

Publication: *Graphic Arts Literature Abstracts* (monthly).

THE ROCKEFELLER UNIVERSITY

NEW YORK, N.Y. 10021
Telephone: (212) 360-1000.

Founded 1901; became a graduate university in 1954; name changed from Rockefeller Institute to The Rockefeller University in 1965.

President: Joshua Lederberg, Ph.D.
Vice-Presidents: Albert Gold, Ph.D., M. McCarty, M.D., C. Pfaffmann, Ph.D., D.Sc., Rodney W. Nichols, A.B.
Dean of Graduate Studies: J. G. Hirsch, M.D.
Librarian: Sonya W. Mirsky, M.S.

The library contains 150,000 volumes.
Number of teachers: 480.
Number of graduate students: 100.

Publications: *Journal of Experimental Medicine*, *Journal of General Physiology*, *Journal of Cell Biology*, *Biophysical Journal*, *Journal of Clinical Investigation*, and occasional publications.

Professors:

Agosta, W. C., Ph.D., Organic Chemistry and Physical Biochemistry
Ahrens, E. H., Jr., M.D., Arteriosclerosis
Allfrey, V. G., Ph.D., Cell Biology
Archibald, R. M., Ph.D., M.D., Metabolism-Pharmacology
Asanuma, H., M.D., D.Med.Sci., Neurophysiology
Bég, M. A. B., Ph.D., Theoretical Physics
Blobel, G., M.D., Ph.D., Cell Biology
Braun, A. C., Ph.D., Plant Pathology
Brink, F., Jr., Ph.D., Biophysics
Case, K. M., Ph.D., Theoretical Physics
Choppin, P. W., M.D., Virology and Medicine
Cohen, E. G. D., Ph.D., Theoretical Physics

Cohen, J. E., ph.d., dr.p.h., Populations
Cohn, Z. A., Cellular Physiology and Immunology
Cole, M., ph.d., Comparative Human Cognition
Cool, R. L., ph.d., Experimental High Energy Physics
Cranefield, P. F., m.d., ph.d., Cardiac Physiology; History of Medicine and Science
Cunningham, B. A., ph.d., Biochemistry
Darnell, J. E., Jr. m.d., Molecular Cell Biology
de Duve, C. R., m.d., m.sc., Biochemical Cytology
Dole, V. P., m.d., Medicine
Edelman, G. M., m.d., ph.d., Developmental and Molecular Biology
Estes, W. K., ph.d., Mathematical Psychology
Field, F. H., Mass Spectrometry and Gaseous Ionic Chemistry
Glimm, J., ph.d., Mathematical Physics
Griffin, D. R., ph.d., Animal Behaviour
Hanafusa, H., ph.d., Viral Oncology
Hirsch, J., m.d., Human Behaviour and Metabolism
Hirsch, J. G., m.d., Cellular Physiology and Immunology
Hotchkiss, R. D., ph.d., d.sc., Genetics
Kac, M., ph.d., d.sc., Mathematics
Kappas, A., m.d., Metabolism-Pharmacology
Khuri, N. N., ph.d., Theoretical Physics
Kunkel, H. G., Immunology
Luck, D. J. L., m.d., ph.d., Cell Biology
Marler, P. R., ph.d., Animal Behaviour
Mauro, A., ph.d., Biophysics
Mauzerall, D., ph.d., Biophysics
McCarty, Maclyn, m.d., Medicine
Merrifield, R. B., ph.d., d.sc., Bio-Chemistry
Miller, G. A., ph.d., Experimental Psychology
Miller, N. E., ph.d., sc.d., Physiological Psychology
Moore, S., ph.d., Biochemistry
Nottebohm, F., ph.d., Animal Behaviour
Pais, A., ph.d., Theoretical Physics
Pfaffmann, C., ph.d., d.sc., Physiological Psychology
Ratliff, F., ph.d., Biophysics
Reich, E., m.d., ph.d., Chemical Biology
Siekevitz, P., ph.d., Cell Biology
Stein, W. H., ph.d., Biochemistry
Tamm, I., m.d., Virology
Tomasz, A., ph.d., Microbiology
Trager, W., ph.d., sc.d., Parasitology
Wang, H., ph.d., Logic
Wilson, V. J., ph.d., Neurophysiology
Zinder, N. D., ph.d., Genetics

RUSSELL SAGE COLLEGE

TROY, N.Y. 12180

Founded 1916.

President: William F. Kahl.
Vice-Presidents:
  Student Affairs: Miss Phyllis Hoyt.
  Financial Affairs: Earl E. Conway.
Director of Admissions: Susan Turner.
Librarian: Donald Ryan.

Number of teachers: 110.
Number of students: 1,450 women.

SAINT BONAVENTURE UNIVERSITY

SAINT BONAVENTURE, N.Y. 14778

Telephone: (716) 375-2000.

Founded 1859.

Chairman, Board of Trustees: Dr. James L. Hayes.
Vice-Chairman, Board of Trustees: Very Rev. Alban Maguire, o.f.m.
President: Very Rev. Mathias Doyle, o.f.m.
Executive Vice-President: Rev. James Toal, o.f.m.
Vice-President for Academic Affairs: Dr. Al H. Nothem.
Registrar: Rev. Francis Storms, o.f.m.
Librarian: John Macik.

Number of teachers: 160.
Number of students: 2,590.

Publications: *Cithara, Laurel, Bonadieu, Bonaventure, Cord, Franciscan Studies, The Works of William of Occam.*

Deans:

School of Arts and Sciences: Dr. William Wehmeyer.
School of Business: Dr. John Watson.
School of Education: Dr. Paul Schafer.
School of Graduate Studies: (vacant).
Franciscan Institute: Rev. Conrad Harkins, o.f.m., ph.d.

ST. FRANCIS COLLEGE

180 REMSEN ST.,
BROOKLYN, N.Y. 11201

Telephone: JAckson 2-2300.

Chartered 1884.

President: Bro. Donald Sullivan, o.s.f., ph.d.
Registrar: Bro. R. Schaefer, o.s.f.
Librarian: Bro. L. Drowne, o.s.f.

The library contains 118,756 vols.

Number of teachers: 196.
Number of students: 3,972 full- and part-time.

SAINT JOHN'S UNIVERSITY

GRAND CENTRAL and
UTOPIA PARKWAYS,
QUEENS, N.Y. 11439

Telephone: (212) 969-8000.

Opened 1870; Chartered 1871; re-Chartered by Regents of the University of the State of New York 1906; Campus at Staten Island.

President: Very Rev. Joseph T. Cahill, c.m.
Executive Vice-President and Vice-President for Academic Planning: Margaret B. Kelly.
Academic Vice-President, Queens: C. Carl Robusto.
Academic Vice-President, Staten Island: Carlton J. Boxhill.
Administrative Vice-President and Director of Student Affairs, Staten Island: Rev. Thomas Congach, c.m.
Vice-President for Business Affairs: Charles E. McCarthy.
Vice-President for Student Personnel Services, Queens: Rev. Richard J. Devine, c.m.
Vice-President for Campus Ministry: Rev. Joseph V. Daly, c.m.
Vice-President for International Studies and Education: Paul K. T. Sih.
Vice-President for Communications: Rev. Kenneth F. Slattery, c.m.
Dean of Admissions and Registrar, Queens: Henry F. Rossi.
Dean of Admissions and Registrar, Staten Island: Patricia K. Palermo.
Vice-President for University Relations and Secretary of the University: Rev. Joseph I. Dirvin, c.m.
Treasurer: Rev. Walter F. Graham, c.m.
Dean for Academic Development: Barbara L. Morris.
Director of Libraries: Rev. Lawrence A. Lonergan, c.m.

The library contains 774,913 vols.

Number of teachers: 730.
Number of students: 16,700.

Deans:

Graduate School of Arts and Sciences: Paul T. Medici.
School of Law: John J. Murphy.
College of Business Administration: John C. Alexion.
College of Pharmacy and Allied Health Professions: Andrew J. Bartilucci.
School of Education and Human Services: Sister Mary Sarah Fasenmyer.
St. John's College of Liberal Arts and Sciences: Rev. Thomas F. Hoar, c.m.
Notre Dame College, Staten Island: Rev. Joseph Breen, c.m.
St. Vincent's College: George W. Maxey.
Evening Division: Patrick J. Basilice.
Summer Sessions: Mary F. Maloney.
Student Development, Queens: Donald Z. Scheiber.
Students, Staten Island: John M. B. Craig.
Government and Research Grants: Rev. John E. Colman, c.m. (Director).

ST. LAWRENCE UNIVERSITY

CANTON, N.Y. 13617

Telephone: (315) 379-5011.

Founded 1856.

President: Frank P. Piskor, ph.d.
Vice-President and Dean: Dr. George H. Gibson.
Vice-President for Academic Planning: A. P. Splete, ph.d.
Vice-President for Development: H. S. Whittier.
Vice-President for Business Affairs: C. B. Randall.
Vice-President for Student Affairs: P. E. Van de Water, ph.d.
Secretary: B. J. Campanella.
Registrar: J. R. Williams.
Librarian: M. N. Peterson.

The library contains over 250,000 vols.

Number of teachers: 152.
Number of students: 1,100 men, 1,100 women, total 2,200.

Publications: *Bulletin* (five issues annually), *Hill News* (weekly), *Laurentian* (quarterly), *Gridiron* (annual).

DEANS:

College of Letters and Science: Dr. GEORGE H. GIBSON.
Student Services: L. F. SALTRELLI.
Women: PRISCILLA ANGELO.

SARAH LAWRENCE COLLEGE

BRONXVILLE, N.Y. 10708

Provisional Charter 1926; Absolute Charter 1931.

President: CHARLES R. DE CARLO.
Dean of the College: ALISON BAKER.
Dean of Studies: BARBARA KAPLAN.
Dean of Administration and Communication: ELIZABETH LINDSEY.
Director of Admissions: DUDLEY BLODGET.
Director of Public Relations: RHETA GLUECK.
Treasurer: RAY PILKONIS.
Recorder: MARY DRISCOLL.

The library contains 140,500 vols.

Number of teachers: 100.
Number of students: 850.

SIENA COLLEGE

LOUDONVILLE, N.Y. 12211
Telephone: (518) 783-2300.

Founded 1937. Independent Liberal Arts College.

President: Rev. HUGH F. HINES, O.F.M.
Vice-President for Academic Affairs: PATRICK CASSENS.
Vice-President for Business Affairs: DONALD W. KISZKA.
Vice-President for Development: DELL N. THOMPSON.
Dean of Students: TERRY J. REYNOLDS.
Director of Admissions: HARRY W. WOOD.
Librarian: BASIL MITCHELL.

The library contains 163,262 vols. and 26,457 other items.

Number of teachers: 121.
Number of students: 2,160 full-time, 656 part-time.

SKIDMORE COLLEGE

SARATOGA SPRINGS, N.Y. 12866
Telephone: 584-5000.
Founded 1911.

President: JOSEPH C. PALAMOUNTAIN, Jr.
Provost: DAVID W. MARCELL.
Dean of the Faculty: ERIC WELLER.
Dean of Student Affairs: FRANCES HOFFMAN.
Director of Admissions: LOUISE WISE.
Librarian: A. SKIPSNA.

The library contains 247,000 vols.

Number of teachers: 155.
Number of students: 2,000.

STATE UNIVERSITY OF NEW YORK

CENTRAL ADMINISTRATION,
UNIVERSITY PLAZA,
ALBANY, N.Y. 12246
Telephone: (518) 473-4060.

Chancellor: CLIFTON R. WHARTON, Jr.
Provost: LOREN BARITZ.
Associate Chancellor for Special Projects: JAMES E. PERDUE.
Associate Chancellor for Community Colleges: CORNELIUS V. ROBBINS.
Associate Chancellor for Health Sciences: ALDEN N. HAFFNER.
Deputy to the Chancellor for Campus Liaison: MURRAY H. BLOCK.
Deputy to the Chancellor for Governmental Relations: HERBERT B. GORDON.
Vice-Chancellor for Capital Facilities and General Manager, State University Construction Fund: OSCAR E. LANFORD.
Vice-Chancellor for Finance and Business: HARRY K. SPINDLER.
Vice-Chancellor for Faculty and Staff Relations: JEROME B. KOMISAR.
Vice-Chancellor for University Affairs: RICHARD GILLMAN.
Vice-Chancellor for Educational Services: JAMES S. SMOOT.
University Counsel and Vice-Chancellor for Legal Affairs: WALTER J. RELIHAN.
Secretary of the University: MARTHA J. DOWNEY.

Number of teachers: *c.* 15,000 full-time.

Number of students: 343,946.

State University of New York at Albany

ALBANY, N.Y. 12203

President: VINCENT O'LEARY.
Vice-President for Academic Affairs: DAVID W. MARTIN.
Vice-President for Finance and Business: JOHN A. HARTIGAN.
Vice-President for Research: LOUIS R. SALKEVER.
Vice-President for University Affairs: LEWIS P. WELCH.

State University of New York at Binghamton

BINGHAMTON, N.Y. 13901

President: CLIFFORD D. CLARK.
Vice-President for Academic Affairs: GEORGE H. STEIN.
Vice-President for Finance and Management: EDWARD J. DEMSKE.
Vice-President for Student Services: DUDLEY B. WOODARD.

State University of New York at Buffalo

AMHERST, N.Y. 14260

President: ROBERT L. KETTER.
Executive Vice-President: ALBERT SOMIT.
Vice-President for Academic Affairs: RONALD F. BUNN.
Vice-President for Research: ROBERT FITZPATRICK (acting).
Vice-President for Student Affairs: RICHARD A. SIGGELKOW.
Vice-President for Facilities Planning: JOHN NEAL.
Vice-President for Health Sciences: F. CARTER PANNILL.
Vice-President for Finance and Management: EDWARD W. DOTY.

State University of New York at Stony Brook

STONY BROOK, N.Y. 11790

President: T. ALEXANDER POND (acting).
Academic Vice-President: SIDNEY GELBER.
Vice-President for Student Affairs: ELIZABETH WADSWORTH.
Vice-President for Finance and Business: CARL E. HANES, Jr.
Vice-President for Health Sciences: J. HOWARD OAKS.
Vice-President for Liberal Studies: PATRICK HEELAN.

MEDICAL CENTRES

Downstate Medical Center at Brooklyn (New York City).
President: CALVIN PLIMPTON.

Upstate Medical Center at Syracuse.
President: RICHARD P. SCHMIDT.

COLLEGES OF ARTS AND SCIENCE

College at Brockport.
President: A. W. BROWN.

College at Buffalo.
President: E. K. FRETWELL.

College at Cortland.
President: R. C. JONES.

Empire State College.
President: JAMES W. HALL.

College at Fredonia.
President: DALLAS K. BEAL.

College at Geneseo.
President: R. W. MACVITTIE.

College at New Paltz.
President: S. K. COFFMAN, Jr.

College at Old Westbury.
President: JOHN D. MAGUIRE.

College at Oneonta.
President: CLIFFORD J. CRAVEN.

College at Oswego.
President: VIRGINIA RADLEY.

College at Plattsburgh.
President: JOSEPH C. BURKE.

College at Potsdam.
President: JAMES H. YOUNG.

College at Purchase.
President: MICHAEL HAMMOND

SPECIALIZED COLLEGES

College of Environmental Science and Forestry (Syracuse).
President: EDWARD E. PALMER.

College of Optometry (New York City).
President: EDWARD JOHNSON (acting).

College of Technology at Utica/Rome.
President: WILLIAM R. KUNSELA.

Maritime College (Fort Schuyler, Bronx).
President: SHELDON H. KINNEY.

AGRICULTURAL AND TECHNICAL COLLEGES

(Two-year)

Agricultural and Technical College at Alfred.
President: D. H. HUNTINGTON.

Agricultural and Technical College at Canton.
President: EARL W. MACARTHUR.

Agricultural and Technical College at Cobleskill.
President: W. A. BROWN.

Agricultural and Technical College at Delhi.
President: SHELDON KRUGER (acting).

Agricultural and Technical College at Farmingdale.
President: FRANK A. CIPRIANI.

Agricultural and Technical College at Morrisville.
President: DONALD G. BUTCHER.

SYRACUSE UNIVERSITY

SYRACUSE, N.Y. 13210

Telephone: (315) 423-1870.

Chartered as Syracuse University in 1870.

Chancellor and President: MELVIN A. EGGERS, PH.D.
Vice-Chancellor for Academic Affairs: JOHN JAMES PRUCHA.
Vice-Chancellor and Special Assistant to the President: NEWELL W. ROSSMAN, Jr.
Vice-Chancellor for Administrative Operations: CLIFFORD L. WINTERS, Jr.
Vice-Chancellor for University Relations: MICHAEL O. SAWYER.
Vice-President for Business Management: JOSEPH A. TATUSKO.
Vice-President for Institutional Services: CAROL H. HEAGERTY.
Vice-Presidents for Development: ROGER A. HULL, HARRY E. YEISER, Jr.
Vice-President for Public Affairs: JOSEPH V. JULIAN
Vice-President for Facilities Administration: HARVEY H. KAISER.
Vice-President for Research and Graduate Affairs: GERSHON VINCOW.
Vice-President for Student Affairs: MELVIN C. MOUNTS
Vice-President for Admissions and Records: HARRY W. PETER III.
Director of Admissions: THOMAS F. CUMMINGS, Jr.
Registrar: CAROLE A. BARONE.
Director of Libraries: DONALD C. ANTHONY.

Library: *see* Libraries.

Number of teachers: 872.
Number of students: 18,600.

Publications: *Symposium* (quarterly on foreign languages and literature), *Syracuse Law Review* (quarterly), *Syracuse University Record* (weekly, in the summer).

DEANS:

School of Architecture: Prof. WERNER SELIGMANN.
College of Arts and Sciences: Dr. KENNETH P. GOODRICH.
Maxwell Graduate School of Citizenship and Public Affairs: Dr. GUTHRIE S. BIRKHEAD.
School of Computer and Information Science: Dr. WARREN L. SEMON.
School of Education: Dr. BURTON BLATT.
College of Engineering: Dr. JAMES A. LUKER.
State University of New York College of Environmental Science and Forestry: Dr. EDWARD E. PALMER.
Graduate School: Dr. GERSHON VINCOW.
Hendricks Memorial Chapel: Dr. JOHN H. MCCOMBE.
College for Human Development: Dr. MICHAEL MARGE.
School of Information Studies: Dr. ROBERT S. TAYLOR.
College of Law: Prof. CRAIG W. CHRISTENSEN.
School of Management: Dr. L. RICHARD OLIKER.
School of Nursing: Dr. THETIS M. GROUP.
S. I. Newhouse School of Public Communications: Dr. HENRY F. SCHULTE.
School of Social Work: Dr. KERMIT K. SCHOOLER.
Summer Sessions: Dr. JAMES R. MANWARING.
University College: Dr. FRANK E. FUNK.
Utica College: Dr. HAROLD J. RANKIN.
College of Visual and Performing Arts: Dr. AUGUST L. FREUNDLICH.

AFFILIATED INSTITUTIONS:

Center of Hispanic Studies: f. 1945.

The Center co-operates closely with the faculties of Geography and History

Center on Human Policy.

Communications Research Center.

Institute for Energy Research.

All-University Gerontology Center.

UNION UNIVERSITY

Chancellor: NORMAN P. AUBURN, LL.D. (acting).

The University is made up of the following colleges:

Union College

SCHENECTADY, NEW YORK 12308

Telephone: (518) 370-6000.

Founded 1795; oldest non-denominational college in U.S.; formerly Union College and University, status changed 1969.

President: NORMAN P. AUBURN, LL.D. (acting).
Registrar: C. G. SCHMIDT.
Librarian: JEAN PELLETIERE, M.A., M.L.S.

The library contains 310,700 vols.

Number of teachers: 144 (full-time).
Number of students: 1,995 (full-time day).

Publications: *Catalogue, Concordiensis* (weekly newspaper), *Union College (Alumni)*, *Union Book* (Senior Year Book), *Idol* (student literary magazine).

DEANS:

Faculty: PAULA P. BROWNLEE, M.A., D.PHIL.
Graduate and Special Programs: AARON FEINSOT, M.A., PH.D.
Students: ROBERT H. KELLETT, M.A., PH.D.

Albany College of Pharmacy

106 NEW SCOTLAND AVE.,
ALBANY, NEW YORK 12208

Telephone: (518) 445-7211.

Founded 1881.

Dean: WALTER SINGER.
Associate Dean: H. R. DENEGAR.
Librarian: Mrs. R. INSEL.

Number of teachers: 36.
Number of students: 610.

Albany Law School

80 NEW SCOTLAND AVE.,
ALBANY, NEW YORK 12208

Telephone: (518) 434-0136.

Founded 1851.

President of Board of Trustees: J. VANDERBILT STRAUB.
Dean: JOHN C. WELSH (acting).
Registrar: HELEN T. WILKINSON.
Librarian: DAVID DUNN.

The library contains 112,000 vols.

Number of teachers: 24 full-time, 12 adjunct.
Number of students: 700.

Albany Medical College

47 NEW SCOTLAND AVE.,
ALBANY, NEW YORK 12208

Telephone: (518) 445-5544.

Founded 1839.

President: STUART BONDURANT, M.D.
Dean of Admissions: E. H. HORN, PH.D.
Librarian: Mrs. URSULA POLAND.

The library contains 65,298 vols.

Number of teachers: 384.
Number of students: 508.

U.S. MERCHANT MARINE ACADEMY

KINGS POINT, NEW YORK 11024

Telephone: (516) 482-8200.

Founded 1943.

Superintendent: Rear-Admiral Arthur B. Engel, U.S.C.G. (Retd.), M.S.

Assistant Superintendent for Planning: Capt. V. E. Tyson, Jr., U.S.M.S., B.S.

Assistant Superintendent for Administration: Leonard Nichols.

Academic Dean: Capt. P. L. Krinsky, U.S.M.S., B.S., M.A.

Commandant of Midshipmen: Capt. E. W. Knutsen, U.S.M.S., B.S., M.A.

Director, Office of External Affairs: Capt. C. M. Renick, U.S.M.S., M.S.

Library: Commdr. E. H. Northrop, U.S.M.S., A.B., B.S., M.A.

The library contains 66,657 volumes.
Number of instructors: *c.* 100.
Number of midshipmen: 1,076.

Heads of Academic Departments:

Nautical Science: Capt. A. E. Fiore, U.S.M.S., M.S.

Engineering: Capt. M. Gross, U.S.M.S., M.M.E.

Maritime Law and Economics: Capt. L. Jarett, U.S.M.S., B.S.(SS), LL.B., M.A., LL.M., J.S.D.

Humanities: Capt. Clark G. Reynolds, U.S.M.S., M.S., PH.D.

Mathematics and Science: Capt. J. M. Dittrick, U.S.M.S., B.S., M.S.

Naval Science: Capt. G. H. Davis, U.S.N., B.S.

Physical Education and Athletics: Capt. W. T. Lai, Jr., M.A.

UNITED STATES MILITARY ACADEMY

WEST POINT, NEW YORK 10996
Founded 1802.

Superintendent: Lt.-Gen. A. J. Goodpaster, PH.D.

Commandant of Cadets: Brig.-Gen. J. C. Bard, M.A., M.S.E.

Dean of the Academic Board: Brig.-Gen. F. A. Smith, Jr., PH.D.

Director of Admissions and Registrar: Col. Manley E. Rogers, M.S.

Librarian: E. A. Weiss, M.A., M.S.L.S.

The library contains 400,000 vols.
Number of instructors: 550.
Number of cadets: 4,492.

Heads of Departments:

Behavioral Science and Leadership: L. T. C. Howard Prince, PH.D.

Chemistry: Col. Wilford J. Hoff, PH.D.

Engineering: Col. C. H. Schilling, M.S., PH.D.

Mechanics: Col. R. M. Wilson, PH.D.

Mathematics: Col. J. M. Pollin, PH.D.

Earth, Space and Graphic Sciences: Col. G. W. Kirby, Jr., PH.D.

Foreign Languages: Col. S. Willard, PH.D.

Law: Col. R. Berry, J.D.

English: Col. J. Capps, PH.D.

Social Sciences: Col. L. D. Olvey, PH.D.

Physics: Col. E. A. Saunders, M.S., PH.D.

Electrical Engineering: Col. S. E. Reinhart, Jr., PH.D.

History: Col. T. E. Griess, M.S., PH.D.

Offices:

Military Instruction: Col. T. Cole, M.S.I.E.

Military Leadership: Col. H. A. Buckley, PH.D.

Physical Education: Col. J. L. Anderson, PH.D.

UNIVERSITY OF ROCHESTER

WILSON BLVD.,
ROCHESTER, NEW YORK 14627
Telephone: (716) 275-2121.
Founded 1850.

Private control; Academic year: September to May (two terms).

President: R. L. Sproull, PH.D.

Provost: Richard D. O'Brien, PH.D.

Chancellor: W. Allen Wallis, A.B.

Senior Vice-President and Treasurer: LaR. B. Thompson, B.S.

Vice-President for Planning and Director of Budgets: R. R. France, PH.D.

Vice-President for Public Affairs: G. M. Angle, M.A.

Vice-President for Investments: S. P. Horsley.

Vice-President for Student Affairs: F. J. Dowd, Jr., M.A.

Vice-President for Campus Affairs: D. K. Hess, M.A.

Registrar: Jerome D. Diver.

Director of Libraries: Alan R. Taylor.

Library: *see* Libraries.
Number of teachers: 1,450.
Number of students: 6,000.

Deans:

College of Arts and Science: K. E. Clark, PH.D.

Graduate Studies: P. R. Gross, PH.D.

School of Medicine and Dentistry: J. L. Orbison, M.D.

University College of Liberal and Applied Studies: R. G. Koch, PH.D.

Eastman School of Music: R. Freeman, PH.D.

School of Nursing: L. C. Ford, R.N., ED.D.

Graduate School of Management: W. H. Meckling, M.B.A.

College of Education: J. I. Doi, PH.D.

College of Engineering and Applied Science: B. J. Thompson, PH.D.

Memorial Art Gallery: J. A. Mahey, M.F.A.

Professors:

Abood, L., PH.D., Brain Research and Biochemistry
Ader, R., PH.D., Psychiatry and Psychology
Adler, S., D.MUS., Composition
Allen, P. Z., PH.D., Microbiology
Alling, N. L., PH.D., Mathematics
Athey, I. J., PH.D., Education and Psychology
Baldwin, A., PH.D., Psychology
Bannister, T , PH.D., Biology, Radiation Biology and Biophysics
Barlow, W., PH.D., Composition
Barocas, R., PH.D., Psychology
Barro, R. J., PH.D., Economics
Bass, B. M., PH.D. Behavioural Science
Bassett, W. A., PH.D., Geological Sciences
Baumeister, P., PH.D., Optics
Beck, L. W., PH.D., Philosophy
Benson, W., M.M., Composition
Benston, G. J., PH.D., C.P.A., Accounting and Finance
Berg, R. L., M.D., Preventive Medicine and Community Health
Berman, M., PH.D., History
Blann, H. M., PH.D., Chemistry
Bluhm, W. T., PH.D., Political Science
Boatwright, H., M.M., Voice
Braun, W., PH.D., German Literature
Bretsch, H. S., PH.D., Education
Brunner, K., DR.ECON., Business Administration and Economics
Buff, F. P., PH.D., Chemistry
Burge, D., D.M.A., Piano
Carstensen, E. L., PH.D., Electrical Engineering
Casarett, G. W., PH.D., Radiation Biology and Biophysics
Castner, T. G., PH.D., Physics
Celentano, J., M.M., Chamber Music
Chapman, R., PH.D., Psychology and Visual Science
Christensen, J. R., PH.D., Microbiology
Christopher, J. B., PH.D., History
Clark, A., Jr., PH.D., Mechanical and Aerospace Sciences
Clark, K. E., PH.D., Psychology
Clark, W. H., PH.D., Education and German
Clarkson, T. W., PH.D., Radiation Biology and Biophysics and Pharmacology and Toxicology
Cohen, G. H., PH.D., Electrical Engineering
Cohen, J. J., M.D., Physiology
Coleman, P. D., PH.D., Anatomy and Psychology
Collins, R. L., PH.D., English
Cooper, R. A., Pathology
Cowen, E., PH.D., Psychology and Education
Craig, A. B., Jr., M.D., Physiology
Craighead, D., MUS.DOC., B.M., Organ
Craytor, J., R.N., M.S., Nursing
Cromwell, R., PH.D., Psychology and Psychiatry
DeGaetani, J., B.S., Voice
Dexter, D. L., PH.D., Physics
DiStefano, V. F., PH.D., Pharmacology and Toxicology
Dohanian, D., PH.D., Fine Arts
Doi, J. I., PH.D., Education
Doolittle, J., PH.D., French Literature
Doty, R., PH.D., Brain Research and Psychology
Douglass, D. A., Jr., PH.D., Physics
Eberle, R., PH.D., Philosophy
Eberlein, W. F., PH.D., Mathematics
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Elkind, D., PH.D., Psychology and Education
Emmel, V. M., PH.D., M.D., Anatomy
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Farley, E. S., Jr., M.D., Family Medicine
Feldman, I., PH.D., Radiation Biology and Biophysics
Feldman, J. A., PH.D., Computer Science
Fenno, R. F., PH.D., Political Science
Ferbel, T., PH.D., Physics
Ferin, J., M.D., Radiation Biology and Biophysics
Fischer, H. W., M.D., Radiology
Flynn, H. G., PH.D., Electrical Engineering
Forbes, G. B., M.D., Paediatrics and Radiation Biology and Biophysics
Ford, G., PH.D., English
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France, R., PH.D., Economics
French, J. B., PH.D., Physics
Friedman, J., PH.D., Economics
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Fullagar, W. A., ED.D., Education
Gabriel, K. R., PH.D., Statistics
Garms, W. I., Jr., PH.D., Education
Gates, E., M.M., Music Education
Gates, M. D., Jr., PH.D., Chemistry
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Genhart, C., Music
Genovese, E. D., PH.D., History
Gillies, A. J., M.B., CH.B., Anaesthesiology Pharmacology and Toxicology
Givens, M. P., PH.D., Optics
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Glazer, F., M.A., Piano
Goldman, L., PH.D., Mechanical and Aerospace Engineering
Gove, H., PH.D., Physics
Gramiak, R., M.D., Radiology
Gunderson, N. G., PH.D., Mathematics and Education
Haber, R. N., PH.D., Psychology
Hagen, C. R., PH.D., Physics
Hall, Eleanor, M.A., R.N., Nursing
Hall, R. B., Jr., PH.D., History and Geography
Hall, W. J., PH.D., Statistics
Hare, J. D., M.D., Microbiology
Harper, D., PH.D., Sociology and Psychiatry
Harris, A., PH.D., Anthropology
Hasty, S., B.M., Clarinet
Hecht, A., PH.D., Rhetoric and Poetry
Helfer, L., PH.D., Astronomy
Henshaw, E. C:, Oncology and Biochemistry
Hilf, R., PH.D., Biochemistry
Hoch, G., PH.D., Biology
Hoekelman, R., M.D., Pediatrics, Health Services, Nursing
Holcomb, H., B.D., Philosophy and Religious Studies
Holmes, R. L., PH.D., Philosophy
Honig, C. R., M.D., Physiology
Hopkins, R. E., PH.D., Optics
Horowicz, P., PH.D., Physiology
Horsford, H., PH.D., English
Hoy, C., PH.D., English
Huizenga, J., PH.D., Chemistry and Physics
Hunter, L. P., D.SC., Electrical Engineering
Hyde, R. W., M.D., Medicine, Radiation Biology, Biophysics
Iker, H. P., PH.D., Psychiatry and Psychology
Immegart, G. L., PH.D., Education
Ison, J. R., PH.D., Psychology
Jacobsen, E. H., PH.D., Physics
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Jones, R., PH.D., Economics
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LaCelle, P. L., M.D., Medicine, Radiation Biology, Biophysics
Lapham, L. W., M.D., Pathology
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Li, J. C. M., PH.D., Engineering, Mechanical and Aerospace Science
Lichtman, M. A., M.D., Medicine, Radiation Biology, Biophysics
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Lowe, W. T., D.ED., Education
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McAdam, D. W., PH.D., Psychology
McHugh, W. D., D.D.S., Dentistry and Dental Research
McKenzie, L., PH.D., Economics
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Meckling, W. H., M.B.A., Economics
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Mercer, T. T., PH.D., Radiation Biology and Biophysics
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Merriam, C. W., SC.D., Electrical Engineering
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Montean, J. J., PH.D., Education
Montroll, E., PH.D., Physics and Chemistry
Morgan, H. R., M.D., Microbiology
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Morton, J. H., M.D., Surgery and Health Services
Muchmore, W. B., PH.D., Biology
Mudholkar, G. S., PH.D., Statistics and Biostatistics
Mueller, J., PH.D., Political Science
Munson, H. L., ED.D., Education
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Niemi, R. G., PH.D., Political Science
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Obrecht, D. H., PH.D., Linguistics
Oi, W. Y., PH.D., Economics
Okubo, S., PH.D., Physics
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Orbison, J. L., M.D., Pathology
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Panner, B. J., M.D., Pathology
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Patten, S. F., M.D., PH.D., Pathology, Obstetrics and Gynaecology
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Regenstreif, S. P., PH.D., Political Science and Canadian Studies
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Rosen, S., PH.D., Economics
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Sameroff, A., PH.D., Psychology, Paediatrics and Psychiatry
Sangree, W. H., PH.D., Anthropology
Sapon, S., PH.D., Psychology and Psycholinguistics
Saunders, R., M.M., Organ
Saunders, W. H., Jr., PH.D., Chemistry
Savedoff, M. P., PH.D., Astronomy
Saward., E. W., MD., Preventive Medicine
Schenk, E. A., M.D., PH.D., Pathology
Schlessinger, R., PH.D., Chemistry
Schwartzbaum, J., PH.D., Psychology
Scott, D. E., PH.D., Anatomy
Selander, R., PH.D., Biology
Shapiro, S., PH.D., Electrical Engineering
Sharpless, S., PH.D., Astronomy
Sheridan, M. N., PH.D., Anatomy
Sherman, F., PH.D., Radiation Biology, Biology **and Biophysics**
Shetler, D., ED.D., Music Education
Simon, A., PH.D., Mechanical and Aerospace Sciences
Sinclair, D. C., PH.D., Optics
Snider, R. S., PH.D., Brain Research and Anatomy
Sobell, H. M., M.D., Chemistry, Radiation Biology and Biophysics
Spar, I., PH.D., Radiation Biology and Biophysics
Sprenkle, R., B.M., Oboe
Sproull, R., PH.D., Physics
Stannard, J. N., PH.D., Radiation Biology, Biophysics, Pharmacology and Toxicology
Stein, N., PH.D., Mathematics
Stone, A. H., PH.D., Mathematics
Stone, Dorothy M., PH.D., Mathematics
Stotz, E. H., PH.D., Biochemistry
Summers, J. H., PH.D., English
Sutton, R., PH.D., Geological Sciences
Sze, Y., Voice
Taylor, M., MUS.DOC., Violin
Taylor, R., PH.D., Philosophy
Teegarden, K. J., PH.D., Optics
Thomas, G. J., PH.D., Brain Research
Thompson, B. J., PH.D., Optics
Thorndike, E. H., Physics
Toribara, T. Y., PH.D., Radiation Biology and Biophysics
Townes, P. L., M.D., PH.D., Anatomy (Genetics) and Paediatrics
Turbayne, C., PH.D., Philosophy
Tursi, F., M.M., Viola
Vance, F., PH.D., Counselling and Psychology
Van Hoesen, K. D., B.M., Bassoon
Vazsonyi, A., PH.D., Computers and Management Science
Voelcker, H. B., Jr., PH.D., Electrical Engineering
Watts, C. E., PH.D., Mathematics
Weinberg, K., PH.D., French, German and Comparative Literature

WEISS, B., PH.D., Radiation Biology, Biophysics and Brain Research
WEYMANN, H. D., D.SC., Mechanical and Aerospace Sciences, and Materials Science
WHEELER, L., PH.D., Psychology
WILLIAMS, T. F., M.D., Medicine, Radiation Biology and Biophysics, and Preventive Medicine and Community Health
WOESTEHOFF, E., PH.D., Education and Paediatrics
WOLF, E., D.SC., Physics
WOOLDRIDGE, P., PH.D., Nursing and Sociology
WRIGHT, R., M.S., Jazz and Contemporary Media
YOUNG, F. E., M.D., PH.D., Microbiology, Pathology, Radiation Biology and Biophysics
YOUNG, G. S., PH.D., Mathematics
YOUNG, M., PH.D., History
ZABEL, E., PH.D., Economics
ZAGORIN, P., PH.D., History
ZAX, M., PH.D., Psychology
ZEITLIN, Z., Violin

VASSAR COLLEGE

POUGHKEEPSIE,
NEW YORK 12601
Chartered 1861.

President: VIRGINIA B. SMITH, M.A., J.D.
Chairman of the Board of Trustees: MARY ST. JOHN VILLARD, M.A.
Vice-President for Student Affairs: NATALIE J. MARSHALL, PH.D.
Vice-President for Development: HERBERT L. SCHULTZ, A.B.
Dean of the Faculty: H. PATRICK SULLIVAN, PH.D.
Dean of Studies: COLTON JOHNSON, PH.D.
Librarian: BARBARA LAMONT, M.A., M.L.S.

The library contains 500,000 vols.

Number of teachers: 221.

Number of students: 2,250 men and women.

WAGNER COLLEGE

GRYMES HILL, STATEN ISLAND,
NEW YORK 10301
Telephone: (212) 390-3000.
Founded 1883.

President: JOHN SATTERFIELD.
Dean of Admissions: HENRY HEIL.
Librarian: Y. JOHN AUH.

The library contains *c.* 250,000 vols.

Number of teachers: 105 full-time, 72 part-time, total 177.

Number of students: 2,600.

WEBB INSTITUTE OF NAVAL ARCHITECTURE

GLEN COVE, LONG ISLAND,
NEW YORK 11542
Founded 1889.

President: Rear-Admiral CHARLES N. PAYNE, U.S.N. (Retd.).
Registrar: W. G. MURRAY.
Dean: Dr. JOSEPH URBAN.
Librarian: F. H. FORREST.

The library contains 27,000 vols.

Number of teachers: 14.

Number of students: 82.

WELLS COLLEGE

AURORA, NEW YORK 13026
Telephone: (315) 364-3011.
Founded 1868.

President: FRANCES T. FARENTHOLD, J.D.
Vice-President for Development: JOHN L. BURKE, B.S.
Vice-President and Treasurer: LUTHER VAN UMMERSEN, C.P.A.
Dean of the College: NENAH FRY, PH.D.
Dean of Students: DOROTHY SLATER-BROWN, PH.D.
Registrar: CHARLES SNYDER, M.A.
Director of Admissions: JOAN IRVING, B.A.
Librarian: MARIE DELANEY, M.L.S.

The library contains 185,265 vols.

Number of teachers: 63.

Number of students: 500.

Publication: *Wells College Express.*

YESHIVA UNIVERSITY

500 WEST 185TH ST.,
NEW YORK, N.Y. 10033
Telephone: (212) 960-5400.
Founded 1886.

Private control; Languages of instruction: English and Hebrew.

President: NORMAN LAMM, PH.D.
Vice-President for Academic Affairs: B. D. BLANK, PH.D.
Vice-President for Legal Education: M. G. PAULSEN, J.D.
Vice-President for Medical Affairs: E. FRIEDMAN, M.D.
Vice-President for Student Affairs: I. MILLER, D.D.
Vice-President for Business Affairs: S. E. SOCOL, J.D.
Director of Public Relations: S. HARTSTEIN, B.A.
Director of Development: B. ROSNER, M.A.
Director of Libraries: F. S. BAUM, J.D. (acting).

Seven libraries of *c.* 770,000 vols.

Number of teachers: 2,500.

Number of students: 7,000.

Publications: *Studies in Torah Judaism, Studies in Judaica, Report, Alumni Review, Inside Yeshiva University.*

DEANS:

Humanities: R. A. ACKERMAN, PH.D.
Behavioral and Social Sciences: M. BERGER, PH.D.
Natural Sciences and Mathematics: D. FINKELSTEIN, PH.D.
Undergraduate Jewish Studies and Jewish Education: J. M. RABINOWITZ, M.S.
Graduate Jewish Studies: S. Z. LEIMAN, PH.D.
Benjamin N. Cardozo School of Law: M. G. PAULSEN, J.D.
Albert Einstein College of Medicine: E. FRIEDMAN, M.D.
Wurzweiler School of Social Work: L. SETLEIS, D.S.W.

ATTACHED RESEARCH INSTITUTES:

Irwin S. and Sylvia Chanin Institute for Cancer Research.

Center for Social Research in Rehabilitation Medicine.

Rose F. Kennedy Center for Research in Mental Retardation and Human Development.

Comprehensive Program for Research in Aging.

Maxwell R. Maybaum Institute of Material Sciences and Quantum Electronics.

NORTH CAROLINA

APPALACHIAN STATE UNIVERSITY

BOONE, NORTH CAROLINA 28607
Telephone: (704) 262-2000.

Founded 1899. Linked to the University of North Carolina.

Chancellor: H. W. WEY.
Registrar: C. DAVID SMITH.
Dean of Learning Resources (and Library): Dr. A. CORUM.

The library contains 300,000 vols.

Number of teachers: 523.

Number of students: 8,500.

ATLANTIC CHRISTIAN COLLEGE

WILSON, NORTH CAROLINA 27893
Telephone: 237-3161.
Founded 1902.

President: Dr. HAROLD C. DOSTER.
Director of Admissions: J. D. DANIELL.
Librarian: OTIS W. COEFIELD.

The library contains 100,000 vols.

Number of teachers: 96.

Number of students: 1,648.

BARBER-SCOTIA COLLEGE

145 CABARRUS AVENUE, WEST
CONCORD, NORTH CAROLINA
28025
Telephone: 786-5171.
Founded 1867.

President: Dr. MABLE P. McLEAN.
Vice-President for Academic Affairs: Dr. JAMES E. LYONS.
Registrar: OLA STRINGER.
Librarian: PERLEE COEFIELD.

The library contains 63,500 vols.

Number of teachers: 38.

Number of students: 451.

BELMONT ABBEY COLLEGE

BELMONT,
NORTH CAROLINA 28012
Telephone: (704) 825-3711.
Founded 1876.

President: Rev. NEIL W. TOBIN.
Provost: Rev. JOHN P. BRADLEY.
Academic Dean: Dr. J. PATRICK LEE.
Registrar: Rev. MICHAEL BUTTNER, O.S.B.
Librarian: JANE FREEMAN.

The library contains 71,481 vols.

Number of teachers: 38.
Number of students: 715.

Publications: *Agora*†, *Crossroads*†, *Free Lance*†.

BENNETT COLLEGE

GREENSBORO,
NORTH CAROLINA 27420
Telephone: (919) 273-4431.

Founded 1873 (reorganized 1926)

President: ISAAC H. MILLER, Jr.
Director of Records and Admissions: MARY M. EADY.
Dean of the College: CHELSEA TIPTON.
Librarian: EDNITA BULLOCK (acting).

The library contains 76,000 vols.

Number of teachers: 54.
Number of students: 600.

CAMPBELL COLLEGE

BUIE'S CREEK,
NORTH CAROLINA 27506
Telephone: (919) 893-4111.

Founded 1887.

President: Dr. NORMAN A. WIGGINS.
Vice-President and Provost: A. R. BURKOT.
Academic Dean: L. BRYANT LEDGERWOOD.
Registrar: J. DAVID MCGIRT.
Director of Admissions: ROBERT L. WICKER, Jr.
Librarian: J. D. SISTRUNK.

The library contains 161,029 vols.

Number of teachers: 100 full-time, 12 part-time.

Publications: *Prospect* (Alumni bulletin), *Creek Pebbles* (newspaper), *Pine Burr* (year book).

CATAWBA COLLEGE

SALISBURY,
NORTH CAROLINA 28144
Telephone: (704) 636-5311.

Founded 1851.

President: MARTIN L. SHOTZBERGER.
Registrar: M. M. RICHARDS.
Director of Admissions: J. W. HALL.
Librarian: BETTY SELL.

The library contains 169,000 vols.

Number of teachers: 65.
Number of students: 918.

DAVIDSON COLLEGE

DAVIDSON,
NORTH CAROLINA 28036

Founded 1837.

President: SAMUEL R. SPENCER, Jr., PH.D., LL.D.
Vice-President for Academic Affairs: T. C. PRICE ZIMMERMANN, PH.D.
Vice-President for Development: DUANE A. DITTMAN.
Dean of Students: W. H. TERRY, B.D.
Business Manager: R. A. CURRIE, M.B.A.
Director of Communications: MARTHA B. ROBERTS, M.S.
Director of Alumni Relations: ZACHARY F. LONG, Jr., M.B.A.
Director of the Living Endowment: E. LEE WILLINGHAM III.
Dean of Admissions and Financial Aid: H. E. WHITE, M.ED.
Registrar: R. C. BURTS, Jr., ED.D.
Director of Library: LELAND M. PARK, PH.D.

The library contains 240,000 vols.

Number of teachers: 112, including 35 professors.

Number of students: 1,300.

Publications: *Davidson College Update* (monthly), *The Davidsonian* (weekly student newspaper), *Quips and Cranks* (year book), *The Miscellany* (Literary Quarterly).

DUKE UNIVERSITY

DURHAM,
NORTH CAROLINA 27706
Telephone: (919) 684-8111.

Union Institute Society founded in 1838 in Randolph County, North Carolina. In 1851 the Institute was reorganised as Trinity College, and in 1892 the College was removed to Durham. A new Charter was issued in 1924, when, under the Duke Endowment, it became Duke University.

President: TERRY SANFORD, J.D., LL.D., D.H., L.H.D., D.P.A.
Chancellor: A. KENNETH PYE, LL.M.
Provost: F. N. CLEAVELAND, PH.D.
Vice-President for Business and Finance: C. B. HUESTIS.
Vice-President for Health Affairs: WILLIAM G. ANLYAN, M.D.
Vice-President for Institutional Advancement: J. DAVID ROSS, J.D.
Vice-President for Government Relations and University Counsel: E. J. MCDONALD, A.M.P., J.D., LL.M.
Treasurer: S. C. HARWARD, C.P.A.
Vice-Provosts: H. W. LEWIS, M.A., PH.D., JOHN C. MCKINNEY, PH.D., and JOHN M. FEIN, PH.D.
Secretary. R. H. POWELL, LL.B.
Librarian: CONNIE R. DUNLAP, A.M.L.S.

Number of teachers: 1,262 full-time, 287 part-time (including 47 graduates), total 1,549.

Number of students: 9,970.

Publications: *American Literature, Duke Mathematical Journal, Ecology, Ecological Monographs, The Hispanic American Historical Review, Journal of Personality, South Atlantic Quarterly, Law and Contemporary Problems, Duke Bar Journal, Journal of Legal Education, Journal of Medieval and Renaissance Studies, Greek, Roman and Byzantine Studies.*

DEANS:

Trinity College of Arts and Science: JOHN M. FEIN, PH.D.
Student Affairs: WILLIAM J. GRIFFITH.
Divinity School: THOMAS A. LANGFORD, B.D., PH.D.
Medical School: EWALD W. BUSSE, M.D.
School of Engineering: ALEKSANDER S. VESIC, D.SC.
School of Forestry: BENJAMIN A. JAYNE, PH.D.
School of Law: PAUL D. CARRINGTON, LL.B.
School of Nursing: RUBY L. WILSON, M.S.N., ED.D.
Graduate School: J. C. MCKINNEY, PH.D.
Graduate School of Business Administration: THOMAS F. KELLER, PH.D.
Summer Session: ROBERT N. SAWYER, ED.D.

PROFESSORS:

Aerospace Studies:
DUTTON, J. A., M.S.

Anatomy:
MOSES, M. J., PH.D.
ROBERTSON, J. D., M.D., PH.D.

Anaesthesiology:
BENNETT, P. B., PH.D.
BROMAGE, P. R., M.D.
DAVIS, D. A., M.D.
DENT, SARA J., M.D.
HALL, K. D., M.D.
HARMEL, M. H., M.D.
KARIS, J. H., M.D.
REDICK, L. F., M.D.
URBAN, B. J., M.D.
VARTANIAN, V., M.D.
WEITZNER, S. W., M.D.

Anthropology:
FOX, R., PH.D.
FRIEDL, ERNESTINE, PH.D.
SIMONS, E. L., PH.D., D.PHIL.

Art:
JENKINS, MARIANNA, PH.D.
MARKMAN, S. D., PH.D.
MUELLER, E. G., PH.D.
SPENCER, J. R., PH.D.
SUNDERLAND, ELIZABETH R., PH.D.

Biochemistry:
FRIDOVICH, I., PH.D., Biochemistry
GROSS, S. R., PH.D., Genetics and Biochemistry
GUILD, W. R., PH.D., Biophysics
HANDLER, P., PH.D., Biochemistry and Nutrition
HILL, R. L., PH.D., Biochemistry
KAMIN, H., PH.D., Biochemistry
MCCARTY, K. S., PH.D., Biochemistry
RAJAGOPALAN, K. V., PH.D., Biochemistry
TANFORD, C., PH.D., Physical Biochemistry
WEBSTER, R. E., PH.D.

Botany:
ANDERSON, L. E., PH.D.
ANTONOVICS, J., PH.D.
BILLINGS, W., PH.D.
BOYNTON, J. E., PH.D.
CULBERSON, W. L., PH.D.
HELLMERS, H., PH.D.
JOHNSON, T. W., PH.D.
NAYLOR, A. W., PH.D.

Philpott, Jane, ph.d.
Strain, B. R., ph.d.
Stone, D. E., ph.d.
White, R. A., ph.d.
Wilbur, R. L., ph.d.

Business Administration:
Baligh, H. H., ph.d.
Cohen, K. J., ph.d.
Dickens, R. L., m.s., c.p.a., ll.d., Accounting, Management Sciences
Forsyth, J. D., d.b.a.
Hamner, C., d.b.a.
Keller, T. F., ph.d.
Laughhunn, D. D., ph.d.
Lewin, A. Y., ph.d.
Morey, R. C., ph.d., Management Sciences
Peterson, D. W., ph.d., Management Sciences

Chemistry:
Bonk, J., ph.d.
Bradsher, C. K., ph.d.
Chesnut, D. B., ph.d.
Hobbs, M. E., ph.d.
Jeffs, P. W., ph.d.
Krigbaum, W., ph.d.
McPhail, A. T., ph.d.
Palmer, R. A., ph.d.
Poirier, J. C., ph.d.
Quin, L. D., ph.d.
Smith, P., ph.d.
Strobel, H. A., ph.d.
Wells, R. L., ph.d.
Wilder, P., Jr., ph.d.

Classical Studies:
Newton, F., ph.d., Latin
Oates, J. F., ph.d., Classical Studies
Richardson, L., ph.d., Latin
Willis, W. H., ph.d., Greek

Community and Family Medicine:
Estes, E. H., Jr., m.d.
Heyden, S., m.d.
Salber, Eva J., m.d.
Woodbury, M. A., ph.d., Biomathematics, Computer Science

Computer Science:
Gallie, T. M., ph.d.
Loveland, D. W., ph.d.
Patrick, M. L., ph.d.
Starmer, C. F., ph.d.

Divinity:
Baker, F., ph.d., English Church History
Beach, W., b.d., ph.d., Christian Ethics
Cushman, R. E., b.d., ph.d., Systematic Theology
Davies, W. D., d.d., Advanced Studies in the New Testament and Research in Christian Origins
Farris, D. M., m.div., Theological Bibliography
Goodling, R. A., ph.d., Pastoral Psychology
Henry, S. C., ph.d., American Christianity
Herzog, F., th.d., Systematic Theology
Ingram, O. K., b.d., Parish Ministry
Lacy, C., b.d., ph.d., World Christianity
Langford, T. A., b.d., ph.d., Systematic Theology
Murphy, R. E., s.t.d., Old Testament
Richey, M. S., b.d., ph.d., Theology and Christian Nurture
Smith, D. M., Jr., ph.d., New Testament Interpretation
Smith, H. L., Jr., ph.d., Moral Theology, Community Health Sciences
Steinmetz, D., th.d., Church History and Doctrine
Westerhoff, J. H., ed.d., Religion and Education
Wilson, R. L., ph.d., Church and Society
Young, F. W., ph.d., New Testament and Patristic Studies

Economics:
Blackburn, J. O., ph.d.
Bronfenbrenner, M., ph.d.
Davies, D. G., ph.d.
Goodwin, C., ph.d.
Grabowski, H. G., ph.d.
Graham, D. A., ph.d.
Kelley, A. C., ph.d.
Kreps, Juanita, ph.d.
Lewis, H. G., ph.d.
Naylor, T. H., ph.d.
Saville, L. B., ph.d.
Tower, E., ph.d.
Treml, V. G., ph.d.
Tuthill, R. L., ed.d.
Vernon, J. M., ph.d.
Wallace, T. D., ph.d.
Weintraub, E. R., ph.d.
Yohe, W. P., ph.d.

Education:
Adams, Anne H., ed.d.
Cartwright, W., ph.d.
Flowers, Anne, ed.d.
Gehman, W. S., ph.d.
Hopkins, E. H., a.m., ll.d.
Katzenmeyer, W. G., ed.d.

Biomedical Engineering:
Clark, H. G., III, ph.d.
Hochmuth, R. M., ph.d.
McElhaney, J. H., ph.d.
Pilkington, T., ph.d.
Thurstone, F. L., ph.d.

Civil Engineering:
Brown, E. I., II, ph.d.
Dvorak, G. J., ph.d.
Melosh, R. J., ph.d.
Muga, B. J., ph.d.
Utku, S., sc.d.
Vesic, A., d.sc.
Wilson, J. F., ph.d.

Electrical Engineering:
Artley, J. L., d.eng.
Kerr, R. B., ph.d.
Marinos, P. N., ph.d.
Nolte, L. W., ph.d.
Owen, H. A., Jr., ph.d.
Wang, P. P., ph.d.
Wilson, T. G., sc.d.

Mechanical Engineering:
Chaddock, J. B., sc.d.
Cocks, F. H., ph.d.
Garg, D. P., ph.d.
Harman, C. M., ph.d.
Pearsall, G. W., sc.d.

English:
Anderson, C. L., ph.d.
Budd, L. J., ph.d.
Cady, E. H., ph.d.
Duffey, B. I., ph.d.
Ferguson, O. W., ph.d.
Gleckner, R. F., ph.d.
Nygard, H. O., ph.d.
Price, R., b.litt.
Randall, D. B. J., ph.d.
Reiss, E. A., ph.d.
Ryalls, C. D. L., ph.d.
Smith, G. C., ph.d.
Turner, A., ph.d.
Williams, G. W., ph.d.
Williams, K. J., ph.d.

Forestry and Environmental Studies:
Anderson, R., ph.d., Forest Entomology
Barnes, R. L., ph.d., Forest Biochemistry
Jayne, B., ph.d.
Joerg, F., m.b.a., Forest Management
Knoerr, K. R., ph.d., Forest Meterology
Ralston, C., ph.d., Forest Soils
Stambaugh, W., ph.d., Forest Pathology

Geology:
Heron, S., Jr., ph.d.
Perkins, R., ph.d.
Pilkey, O. H., ph.d.

Health Administration:
Brown, M., d.p.h.
Jaeger, B. J., ph.d.
Warren, D. G., j.d.

Health, Physical Education and Recreation:
Bookhout, Elizabeth C., ph.d.
Buehler, A., m.a.
Falcone, C. M., m.a.
Friedrich, J. A., ph.d.

History:
Colton, J. G., ph.d.
Davis, C. D., ph.d.
Durden, R. F., ph.d.
Ferguson, A. B., ph.d.
Hartwig, G. W., ph.d.
Holley, I. B., ph.d.
Hollyday, F., ph.d.
Lerner, W., ph.d.
Preston, R. A., ph.d.
Ropp, T., ph.d.
Scott, Anne Firor, ph.d.
Scott, W. E., ph.d.
Tepaske, J. J., ph.d.
Watson, R. L., Jr., ph.d.
Young, C. R., ph.d.

Germanic Languages:
Phelps, L. R., ph.d., German

Romance Languages:
Cordle, T. H., ph.d.
Fein, J. M., ph.d.
Niess, R. J., ph.d.
Osuna, R., ph.d.
Tetel, M., ph.d.
Wardropper, B., ph.d.

Slavic Languages:
Krynski, M. J., ph.d.

Law:
Carrington, P. D., ll.b.
Christie, G. C., s.j.d.
Dellinger, W. E., III, ll.b.
Everett, R. O., ll.m.
Fleishman, J. L., ll.m.
Havighurst, C. C., j.d.
Lange, D. L., ll.b.
Larson, A., d.c.l.
Levin, B., ll.b.
Livengood, C. H., Jr., ll.b.
Paschal, J. F., ll.b., ph.d.
Pye, A. K., ll.m.
Reppy, W. A., j.d.
Robertson, H. B., j.d.
Shimm, M. G., ll.b.
Sparks, B. M., s.j.d.
Stolz, O. G., j.d.
Van Alstyne, W. W., ll.b.
Weistart, J. C., j.d.

Mathematics:
Allard, W. K. ph.d.
Arthur, J. G., ph.d.
Murray, F. J., ph.d.
Reed, M. C., ph.d.
Schaefer, D. G., ph.d.
Shoenfield, J. R., ph.d.
Warner, S. L., ph.d.
Weisfeld, M., ph.d.

Medicine and Neurology:
Buckley, C. E., III, m.d.
Callaway, J. L., m.d.
Clapp, J. R., m.d.
Floyd, W. L., m.d.
Goldsmith, L., m.d.
Greenfield, J. C., Jr., m.d.
Gunnells, J. C., m.d.

Heyman, A., M.D.
Kylstra, J., M.D., PH.D.
Laszlo, J., M.D.
Lazarus, G. S., M.D.
Lebovitz, H. E., M.D.
Lefkowitz, R. J., M.D.
Lynn, W. S., Jr., M.D.
McKee, P. A., M.D.
McPherson, H. T., M.D.
Morris, J. J., Jr., M.D.
Pfeiffer, J. B., M.D.
Pinnell, S. R., M.D.
Robinson, R. R., M.D.
Rosse, W. F., M.D.
Rundles, W., M.D., PH.D.
Saltzman, H. A., M.D.
Sieker, H. O., M.D.
Silberman, H. R., M.D.
Snyderman, R., M.D.
Tisher, C. C., M.D.
Tyor, M. P., M.D.
Wallace, A. G., M.D.
Whalen, R. E., M.D.
Wyngaarden, J. B., M.D.

Microbiology and Immunology:
Amos, D. E., M.D., Immunology and Experimental Medicine
Burns, R. O., PH.D., Microbiology
Day, E. D., PH.D., Immunology, Experimental Surgery
Joklik, W. K., PH.D., Microbiology and Immunology
Metzgar, R. S., PH.D., Immunology
Osterhout, S., M.D., PH.D., Microbiology, Medicine
Wheat, R. W., PH.D., Microbiology
Willett, Hilda P., PH.D., Bacteriology

Music:
Bone, A. H., M.M.
Bryan, P. R., PH.D.
Douglass, F., M.MUS.
Hamilton, I., B.M.
Hanks, J. K., M.A.
Kirkendale, W., DR.PHIL.
Withers, L. R., M.S.

Naval Science:
Hayes, M. L., M.S.

Nursing:
Fortune, Ellen G., M.A.
Gratz, Pauline, ED.D.
Minniear, Wilma A., M.S.N.
Stone, Virginia, PH.D.
Wilson, Ruby L., ED.D.

Obstetrics and Gynaecology:
Christakos, A., M.D.
Creaseman, W. T., M.D.
Crenshaw, M. C., Jr., M.D.
Gall, S. A., M.D.
Hammond, C. B., M.D.
Parker, R. T., M.D.
Peete, C., Jr., M.D.

Ophthalmology:
Anderson, W. B., M.D.
Landers, M. B., M.D.
Machemer, R. E., M.D.
Wadsworth, J. A. C., M.D.
Wolbarsht, M. L., PH.D.

Pathology:
Bigner, D. D., M.D., PH.D.
Fetter, B. F., M.D.
Hackel, D. B., M.D.
Jennings, R., M.D.
Johnston, W. W., M.D.
Klintworth, G., M.B.
Pratt, P. C., M.D.
Schneider, K., M.D.
Sommer, J. R., M.D.
Vogel, F. S., M.D.
Wittels, B., J.D.

Paediatrics:
Arena, J. M., M.D.
Brumley, G. W., Jr., M.D.
Buckley, Rebecca H., M.D.
Dees, Susan C., M.D.
Frothingham, T. E., M.D.
Harris, J. S., M.D.
Katz, S. L., M.D.
Lang, D. J., M.D.
Sidbury, J. B., Jr., M.D.
Spach, M. S., M.D.
Spock, A., M.D.

Pharmacology:
Kirshner, N., PH.D.
Lack, L., PH.D.
Menzel, D. B., PH.D.
Ottolenghi, A., M.D.
Schanberg, S. M., M.D., PH.D.
Shand, D. G., M.B., PH.D.

Philosophy:
Golding, M. P., PH.D.
Mahoney, E. P., PH.D.
Peach, W. B., PH.D.
Sanford, D. H., PH.D.
Welsh, P., PH.D.

Physical Therapy:
Bartlett, R. C., M.A.

Physics:
Biedenharn, L. C., Jr., PH.D.
Bilpuch, E. G., PH.D.
Cusson, R. Y., PH.D.
Fairbank, H., PH.D.
Gordy, W., PH.D., LL.D.
Han, M. Y., PH.D.
Lewis, H. W., PH.D.
Meyer, H., PH.D.
Roberson, N., Jr., PH.D.
Robinson, H., PH.D.
Walker, W. D., PH.D.
Walter, R. L., PH.D.

Physiology:
Blum, J. J., PH.D.
Jobsis, F. F., PH.D.
Johnson, E. A., M.D.
Lauf, P. K., M.D.
Lieberman, M., PH.D.
Moore, J. W., PH.D.
Salzano, J. V., PH.D.
Somjen, G. G., M.D.

Political Science:
Barber, J. D., PH.D.
Braibanti, R., PH.D.
Cleaveland, F. N., PH.D.
Grzybowski, K., S.J.D.
Hall, H. M., Jr., PH.D.
Hallowell, J., PH.D., LITT.D.
Holsti, O. R., PH.D.
Hough, J. F., PH.D.
Kornberg, A., PH.D.
Leach, R. H., PH.D.

Psychiatry and Medical Psychology:
Bressler, B., M.D., Psychiatry
Brodie, H. K. H., M.D., Psychiatry
Busse, E. W., M.D., Psychiatry
Clifford, E., PH.D., Medical Psychology
Crovitz, H. F., PH.D., Medical Psychology
Ellinwood, E. H., M.D., Psychiatry
Fowler, J. A., M.D., Psychiatry
Gentry, W., PH.D.
Gianturco, D. T., M.D., Psychiatry
Green, R. L., Jr., M.D., Psychiatry
Hine, F., M.D., Psychiatry
Melges, F., M.D.
Palmore, E. B., PH.D., Medical Sociology
Parker, J. B., Jr., M.D., Psychiatry
Rhoads, J. M., M.D., Psychiatry
Verwoerdt, A., M.D., Psychiatry
Wang, H., M.B., Psychiatry
Werman, D. S., M.D., Psychiatry
Wilson, W. P., M.D., Psychiatry
Zung, W. W., M.D., Psychiatry

Psychology:
Alexander, I., PH.D.
Bevan, W., PH.D.
Borstelmann, L., PH.D.
Carson, R. C., PH.D.
Diamond, I. T., PH.D.
Erickson, C., PH.D.
Erickson, R. P., PH.D.
Guttman, N., PH.D.
Kimble, G. A., PH.D.
Lakin, M., PH.D.
Lockhead, G., PH.D.
Schiffman, H., PH.D.
Staddon, J., PH.D.
Wallach, M. A., PH.D.
Wing, C. W., Jr., PH.D.

Radiology:
Barry, G. F., Jr., M.D.
Baylin, G. J., M.D.
Chen, J. T. T., M.D.
Goodrich, J. K., M.D.
Goree, J. A., M.D.
Grossman, H., M.D.
Heinz, E. R., M.D.
Korobkin, M., M.D.
Miller, L. S., M.D.
O'Foghludha, F., PH.D.
Putman, C. E., M.D.
Rice, R. P., M.D.
Sanders, A. P., PH.D.

Religion:
Bradley, D. G., PH.D.
Jones, B. L., PH.D.
Kort, W., PH.D.
Lincoln, C. E., PH.D.
Long, C. H., PH.D.
Osborn, R. T., PH.D.
Poteat, W. H., B.D., PH.D.
Price, J. L., Jr., PH.D.
Wintermute, O. S., PH.D.

Sociology:
Back, K. W., PH.D.
Kerchoff, A. C., PH.D.
Maddox, G. L., PH.D.
McKinney, J. C., PH.D.
Myers, G. C., PH.D.
Portes, A., PH.D.
Preiss, J. J., PH.D.
Roy, D. F., PH.D.
Smith, J., PH.D.
Tiryakian, E. A., PH.D.

Surgery:
Anderson, E. E., M.D., Urology
Anlyan, W. G., M.D., Surgery
Bassett, F. H., III, M.D., Orthopaedics
Bolognesi, D. P., PH.D.
Clippinger, F. W., M.D., Orthopaedic Surgery
Dees, J. F., M.D., Urology
Fuchs, J. C. A., M.D.
Georgiade, N., D.D.S., M.D., Plastic, Maxillofacial and Oral Surgery
Glenn, J. F., M.D., Urology
Goldner, J. L., M.D., Orthopaedic Surgery
Hudson, W. R., M.D., Otolaryngology
Jones, R. S., M.D.
Kunze, L. H., PH.D., Hearing and Speech Pathology
McCollum, D. E., M.D., Orthapaedic Surgery
Nashold, B. S., M.D., Neurosurgery
Odom, G. L., M.D., Neurosurgery
Oldham, H. N., Jr., M.D.
Peete, W. P., M.D., Surgery
Pickrell, K. L., M.D., Plastic and Maxillofacial Surgery
Postlethwait, R., M.D., Surgery
Quinn, G. W., D.D.S., Orthodontics
Sabiston, D. C., M.D., Surgery
Sealy, W. C., M.D., Thoracic Surgery
Seigler, H. F., M.D.
Semans, J. H., M.D., Urology

SHINGLETON, W. W., M.D., Surgery
STICKEL, D. L., M.D., Surgery
URBANIAK, J. R., M.D.
WELLS, S. A., M.D.
WILKINS, R. H., M.D.
YOUNG, W. G., Jr., Surgery

Zoology:
BAILEY, J. R., PH.D.
COSTLOW, J. D., PH.D.
FLUKE, D. J., PH.D.
GILLHAM, N. W., PH.D.
GREGG, J. R., PH.D.
KLOPFER, P. H., PH.D.
LIVINGSTONE, D., PH.D.
NICKLAS, R. B., PH.D.
SCHMIDT-NIELSEN, K., PH.D.
TUCKER, V. A., PH.D.
WAINWRIGHT, S. A., PH.D.
WARD, C. L., PH.D.
WILBUR, K. M., PH.D.

EAST CAROLINA UNIVERSITY

GREENVILLE,
NORTH CAROLINA 27834
Telephone: 757-6131.

Founded 1907. Linked to the University of North Carolina.

Chancellor: THOMAS B. BREWER.
Registrar: J. GILBERT MOORE.
Dean of Admissions: J. H. HORNE.
Librarian: EUGENE BRUNELLE.

The library contains 600,000 volumes.

Number of teachers: 700.
Number of students: 12,000.

ELIZABETH CITY STATE UNIVERSITY

ELIZABETH CITY,
NORTH CAROLINA 27909
Telephone: (919) 335-0551.

Founded 1891. Linked to the University of North Carolina.

Chancellor: MARION D. THORPE, PH.D.
Registrar: TOMMY M. FOUST, M.S.
Librarian: CLAUDE W. GREEN, M.L.S.

The library contains 83,960 vols.

Number of teachers: 117 full-time, 17 part-time.

Number of students: 1,620.

ELON COLLEGE

NORTH CAROLINA 27244
Telephone: 584-9711.
Founded 1889.

Related to the United Church of Christ.

President: JAMES FRED YOUNG.
Vice-President for Academic and Student Affairs: JAMES A. MONCURE.
Vice-President for Legal Affairs: R. C. BAXTER.
Dean of Students: W. G. LONG.
Librarian: T. E. PERKINS.

The library contains 137,127 vols.

Number of teachers: 84 full-time, 18 part-time.

Number of students: 2,167.

FAYETTEVILLE STATE UNIVERSITY

NEWBOLD STATION,
FAYETTEVILLE,
NORTH CAROLINA 28301
Telephone: 486-1141.

Founded 1877 as College, attained University status 1969. Part of University of North Carolina System.

Chancellor: Dr. CHARLES A. LYONS, Jr.
Registrar: FRANK BARRECA.
Librarian: Mrs. NATHALENE SMITH.

The library contains 94,899 vols.

Number of teachers: 161.
Number of students: 1,940.

GREENSBORO COLLEGE

COLLEGE BOX 971,
GREENSBORO,
NORTH CAROLINA 27420
Telephone: (919) 272-7102.
Founded 1838.

President: HOWARD C. WILKINSON.
Academic Dean: Y. L. MEDLIN.
Director of Admissions: J. GARNER.
Librarian: D. JENSEN.

The library contains 75,000 vols.

Number of teachers: 50.
Number of students: 600.

GUILFORD COLLEGE

GREENSBORO,
NORTH CAROLINA 27410
Telephone: Greensboro 292-5511.
Founded 1837.

President: GRIMSLEY T. HOBBS.
Provost: B. STEWART (acting).
Registrar: F. REYNOLDS.
Library Director: H. POOLE.

The library contains 160,000 vols.

Number of teachers: 77.
Number of students: 1,453.

Publication: *Journal of Undergraduate Mathematics*†.

HIGH POINT COLLEGE

HIGH POINT,
NORTH CAROLINA 27262
Telephone: (919) 885-5101.
Founded 1924.

President: Dr. WENDELL M. PATTON.
Dean: Dr. D. W. COLE.
Registrar: DAVID H. HOLT.
Director of Admissions: ALFRED S. HASSELL.
Librarian: Miss MARCELLA CARTER.

The library contains 99,584 vols.

Number of teachers: 62.
Number of students: 1,088.

JOHNSON C. SMITH UNIVERSITY

100–152 BEATTIES FORD RD.,
CHARLOTTE,
NORTH CAROLINA 28216
Founded 1867.

President: WILBERT GREENFIELD, PH.D.
Vice-President for Academic Affairs: LIMONE C. COLLINS, PH.D.
Vice-President for Business and Financial Affairs: MACK L. DAVIDSON.
Vice-President for Student Affairs: JOSEPH A. GASTON, PH.D.
Vice-President for Administrative Affairs and Planning: (vacant).
Director of Admissions: MOSES S. BELTON.
Director of Development: RAY DAVIS.
Registrar: MARY H. BYUARM.
Librarian: SHIRLEY P. WILKINS (acting).

The library contains 80,000 vols.

Number of teachers: 76, including 15 professors.

Number of students: 14,088.

LENOIR-RHYNE COLLEGE

HICKORY,
NORTH CAROLINA 28601
Telephone: (704) 328-1741.
Founded 1891.

President: ALBERT B. ANDERSON, PH.D.
Admissions Director: R. P. THOMPSON.
Librarian: Rev. ALVY CURTIS PAUL.

The library contains 100,000 vols.

Number of teachers: 94.
Number of students: 1,256.

LIVINGSTONE COLLEGE

SALISBURY,
NORTH CAROLINA 28144
Telephone: (704) 633-7960.
Founded 1879.

President: D. F. GEORGE SHIPMAN.
Registrar/Director of Admissions: Mrs. EMILY H. HARPER.
Librarian: LOUISE M. ROUNTREE.

The library contains 76,504 vols.

Number of teachers: 59.
Number of students: 909.

MEREDITH COLLEGE

RALEIGH,
NORTH CAROLINA 27611
Telephone: 833-6461.
Founded 1891.

President: JOHN E. WEEMS.
Registrar: J. B. HIOTT.
Dean: C. A. BURRIS.
Director of Admissions: MARY B. JOSEY.
Librarian: JONATHAN L. LINDESY.

The library contains 68,400 vols.

Number of teachers: 80.
Number of students: 1,400.

METHODIST COLLEGE

FAYETTEVILLE,
NORTH CAROLINA 28301
Chartered 1956; Opened 1960.

President: Dr. RICHARD W. PEARCE.
Dean: Dr. S. J. WOMACK.
Comptroller: ROY WHITMIRE.
Secretary to the Board of Trustees: I. H. O'HANLON.

The library contains 63,386 vols.

Number of students: 802 full-time, 74 part-time.

NORTH CAROLINA AGRICULTURAL AND TECHNICAL STATE UNIVERSITY

312 NORTH DUDLEY ST.,
GREENSBORO,
NORTH CAROLINA 27411

Telephone: (919) 379-7500.

Founded 1891. Linked to the University of North Carolina.

Chancellor: Dr. Lewis C. Dowdy.
Registrar: Dr. Rudolh Artis.
Librarian: Dr. Tommie Young.

The library contains 273,576 vols.

Number of teachers: 297.
Number of students: 5,611.

NORTH CAROLINA CENTRAL UNIVERSITY

DURHAM,
NORTH CAROLINA 27707

Telephone: 682-2171.

Founded 1910. Linked to the University of North Carolina.

State control.

Chancellor: Dr. Albert N. Whiting.
Vice-Chancellor for Financial Affairs: G. Thorne.
Vice-Chancellor for Academic Affairs: Dr. Cecil L. Patterson.
Registrar: B. T. McMillon.
Librarian: Pennie E. Perry.

The library contains 322,452 vols.

Number of teachers: 262.
Number of students: 4,730.

Publications: *Varia*, *Ex Umbra*, *Bulletins*.

Deans:

Undergraduate School: Dr. Walter H. Pattillo.
Graduate School: Dr. J. A. Pittman (acting).
Library School: Dr. Annette L. Phinazee.
Law School: H. E. Groves.
School of Business: Dr. Tyronza Richmond.

NORTH CAROLINA WESLEYAN COLLEGE

WESLEYAN COLLEGE STATION
ROCKY MOUNT,
NORTH CAROLINA 27801

Founded 1956.

President: Dr. S. Bruce Petteway.

The library contains 56,000 vols.

Number of teachers: 39.
Number of students: 725.

Publication: *Bulletin* (six times yearly).

PEMBROKE STATE UNIVERSITY

PEMBROKE,
NORTH CAROLINA 28372

Telephone: (919) 521-4510.

Founded 1887 as College, attained University status 1969. Linked to the University of North Carolina.

Chancellor: Dr. English E. Jones.
Vice-Chancellor: Dr. William P. Turner.
Dean: Dr. W. Howard Dean.
Dean of Student Affairs: Dr. James B. Chavis.
Registrar: Mrs. Joyce S. Singletary.
Dean of Admissions: Dr. Norma J. Thompson.
Librarian: L. M. Raisig.

The library contains 135,000 vols.

Number of teachers: 120.
Number of students: 2,334.

PFEIFFER COLLEGE

MISENHEIMER,
NORTH CAROLINA 28109

Telephone: (704) 463-7343.

Founded 1885.

Private (Methodist) control.

President: Dr. Cameron West.
Registrar: K. D. Holshouser.
Vice-President and Dean of the College: Dr. John G. Haesloop.
Librarian: N. B. Wilson.

The library contains 94,879 vols.

Number of teachers: 68.
Number of students: 1,000.

QUEENS COLLEGE

1900 SELWYN AVE.,
CHARLOTTE,
NORTH CAROLINA 28274

Telephone: (704) 332-7121.

Founded 1857; liberal arts college for women.

President: Dr. Billy O. Wireman.
Dean of College: Dr. Cynthia H. Tyson.
Dean of Students: Diane Del Pizzo.
Vice-President for Development and College Relations: Dr. Joseph P. Martin.
Admissions Director: Miss Gene Burton.
Business Manager: James T. Atwater.
Librarian: Stewart Lillard.

The library contains 88,000 vols.

Number of teachers: 45.
Number of students: 600.

Publications: *Queens College Bulletin* (quarterly), *Queens College Close Up*.

ST. ANDREWS PRESBYTERIAN COLLEGE

LAURINBURG,
NORTH CAROLINA 28352

Telephone: (919) 276-3652.

Founded 1858.

Private control; Academic year: September to June.

President: Alvin Perkinson.
Vice-President for Development: J. Bruce Frye.
Registrar: Dr. James F. Stephens.
Dean of the College: Dr. Ronald C. Crossley.
Librarian: Elizabeth Holmes.

The library contains 91,000 vols.

Number of teachers: 51.
Number of students: 568.

Publication: *St. Andrew's Review* (twice a year).

SALEM ACADEMY AND COLLEGE

BOX 10548, SALEM STATION,
WINSTON-SALEM,
NORTH CAROLINA 27108

Telephone: 723-7961.

Founded 1772.

Private control.

President: Dr. Merrimon Cuninggim.
Director of Admissions: Mary Scott Best.
Academic Dean: Dr. Evelyn Thomas Helmick.
Dean, School of Music: Clemens Sandresky.
Librarian: Robert Woerner.

The library contains 101,976 vols.

Number of teachers: 70.
Number of students: 600.

SHAW UNIVERSITY

RALEIGH,
NORTH CAROLINA 27602

Telephone: (919) 755-4800.

Founded 1865.

President: Richard L. Fields (acting).
Vice-President (Academic Affairs): Kalyan Ghosh.
Vice-President (Research and Evaluation): Wilmoth A. Carter.
Registrar: Norbert Hoffman.
Librarian: Mildred Mallette.

The library contains 69,773 vols.

Number of teachers: 71.
Number of students: 1,423.

UNIVERSITY OF NORTH CAROLINA

The University of North Carolina is a multi-campus university composed of sixteen institutions: the University of North Carolina at Asheville, the University of North Carolina at Chapel Hill, the University of North Carolina at Greenboro, the University of North Carolina at Charlotte, the University of North Carolina at Wilmington, and North Carolina State University at Raleigh. Also the Appalachian State University, East Carolina University, Elizabeth City State University, Fayetteville State University, North Carolina Agricultural and Technical State University, North Carolina Central University, North Carolina School of the Arts, Pembroke State University, Western Carolina University, Winston-Salem State University (*q.v.*).

General Administration:

CHAPEL HILL,
NORTH CAROLINA 27514
Telephone: 933-6981.

President: William C. Friday, B.S., LL.D., D.C.L.

Vice-President—Academic Affairs: Raymond H. Dawson, M.A., PH.D.

Vice-President—Finance: L. Felix Joyner, A.B.

Vice-President—Planning: John Sanders, LL.D.

Vice-President—Student Services and Special Programs: Cleon F. Thompson, Jr., M.S.

Vice-President—Research: E. Walton Jones, PH.D.

University of North Carolina at Asheville: University Heights, Asheville, North Carolina 28804; established as Buncombe County Junior College 1927; later as Asheville-Biltmore College; made a unit of the University in 1969; Telephone: 704-258-0200.

Chancellor: William E. Highsmith, M.A., PH.D.

Vice-Chancellor for Academic Affairs: Lawrence A. Dorr, PH.D.

Vice-Chancellor for Finance: W. H. Pott, B.A., C.P.A.

Dean of Student Services: P. Thomas Deason, B.S., M.A.

Director of Admissions: George T. Kramer, M.A., PH.D.

Registrar: Mrs. Jo D. Cadle, B.A.

Librarian: M. E. Blowers, M.A., M.S. IN L.S.

Number of teachers: 82.
Number of students: 1,650.
Publication: *Images.*

PROFESSORS:

Boland, W. R., Sociology
Gullickson, Christine D., PH.D., Foreign Languages
Hart, D. J., Management
Highsmith, W. E., History
Johnston, H. H., M.S., PH.D., Biology
Rainey, G. E., Political Science
Seitz, Theodore L., M.A., PH.D., Psychology
Shorb, E., PH.D., Literature
Squibb, S. D., PH.D., Chemistry
Stewart, J. A., M.REL.ED., PH.D., Philosophy
Thurman, W. S., M.A., PH.D., Classics
Walker, P. A., PH.D., History
Wills, J. E. Jr., M.A., PH.D., Physics
Wilson, J. C., PH.D., Mathematics
Zerfoss, L. F., M.ED., D.ED., Psychology

University of North Carolina at Chapel Hill: Chapel Hill, North Carolina 27514; Chartered 1789, opened 1795; since 1931 a unit of the University of North Carolina; Telephone (919) 933-2338. Academic year: August to May.

Chancellor: Nelson Ferebee Taylor, LL.B.

Provost: J. C. Morrow, PH.D.

Vice-Chancellor, Health Sciences: Christopher C. Fordham III.

Vice-Chancellor, Business and Finance: John L. Temple.

Vice-Chancellor, Administration: Douglass Hunt, LL.B.

Vice-Chancellor, Development and Public Service: Rollie Tillman, Jr., D.B.A.

Public Service: William F. Little, PH.D.

Vice-Chancellor, Student Affairs: Donald A. Boulton, ED.D.

Registrar and Director of Institutional Research: Lillian Y. Lehman, PH.D.

Secretary of the Faculty: H. C. Boren PH.D.

Director of Undergraduate Admissions: Richard G. Cashwell.

University Libararian: James F. Govan, PH.D.

The library contains 2,274,173 vols.

Number of teachers: 1,813.
Number of students: 20,162.

Publications: *Chapel Hill Workshop Reports* (3 a year), *The High School Journal* (monthly, except summer), *Hispanófila* (3 a year), *UNC Newsletter* (irregular), *Popular Government* (quarterly), *Romance Notes* (3 a year), *Social Forces* (quarterly), *Southern Economic Journal* (quarterly), *Studies in Philology* (5 a year).

DEANS:

Graduate School: Lyle V. Jones, PH.D.

College of Arts and Sciences and General College: Samuel R. Williamson, Jr., PH.D.

Allied Health Sciences Office: Ralph H. Boatman, Jr., PH.D.

School of Business Administration: John P. Evans (acting).

School of Education: Ira J. Gordon, D.ED.

School of Law: Robert G. Byrd, J.D.

School of Medicine: Christopher C. Fordham III, M.D.

School of Pharmacy: Tom S. Miya, PH.D.

School of Public Health: Bernard G. Greenberg, PH.D.

School of Library Science: Edward G. Holley, PH.D.

School of Dentistry: Raymond P. White, D.D.S., PH.D.

School of Journalism: John B. Adams, PH.D.

School of Nursing: Laurel A. Copp, PH.D.

School of Social Work: Morton I. Teicher, PH.D.

Research Administration: G. R. Holcomb, PH.D.

PROFESSORS:

Allied Medical Programs:
Crounse, R. G., M.D.
Mitchell, R. U., M.ED.
Moore, M. L., D.ED.
Parker, M. M., M.A.
Singleton, M. C., PH.D.

Anaesthesiology:
Levin, K. J., M.D.
Mueller, R. A., PH.D.
Sugioka, K., M.D.

Anatomy:
Bear, R. S., PH.D.
Bennett, H. S., M.D.
Hackenbrock, C. R., PH.D.
Henson, O. W., Jr., PH.D.
Hooker, C. W., PH.D.
Koch, W. E., PH.D.
Macrae, E. K., PH.D.
Pollitzer, W. S., PH.D.
Stumpf, W. E., PH.D.

Anthropology:
Brockington, D. L., PH.D.
Coe, J. L., M.A.
Crane, J. G.
Gulick, J., PH.D.
Holcomb, G. R., PH.D.
Peacock, J. L., III, PH.D.
Yarnell, R. A., PH.D.

Art:
Barnard, R. J., M.A.
Howard, R. A., M.A.
Huemer, F., PH.D.
Judson, J. R., PH.D.
Kinnaird, R. W., M.F.A.
Kuspit, D. B., PH.D.
Saltzman, M., M.F.A.
Sloane, J. C., PH.D.

Bacteriology:
Cromartie, W. J., M.D.
Gooder, H., PH.D.
Haughton, G., PH.D.
Manire, G. P., PH.D.
Schwab, J. H., PH.D.
Sharp, D. G., PH.D.
Spitznagel, J. K., M.D.
Straughn, W. R., PH.D.

Biochemistry:
Berkut, M. K., PH.D.
Caplow, M., PH.D.
Glassman, E. B., PH.D.
Hermans, J., PH.D.
Irvin, J. L., PH.D.
Morell, P., PH.D.
Penniall, R., PH.D.
Schneider, H. A., PH.D.
Summer, G. K., M.D.
White, J. R., PH.D.
Wilson, J. E., PH.D.
Wolfenden, R. V., PH.D.

Biostatistics:
Abernathy, J. R., PH.D.
Coulter, E. J., PH.D.
Elston, R. C., PH.D.
Grizzle, J. E., PH.D.
Johnson, R. C., PH.D.
Koch, G. G., PH.D.
Quade, D. E., PH.D.
Sen, P. K., PH.D.
Wells, H. B., PH.D.

Botany:
Barry, E. G., PH.D.
Bell, C. R., PH.D.
Brown, R. M., Jr., PH.D.
Domnas, A. J., PH.D.
Hommersand, M. H., PH.D.
Koch, W. J., PH.D.
Olive, L. S., PH.D.
Radford, A. E., PH.D.
Scott, T. K., PH.D.

Business Administration:
Adams, J. S., PH.D.
Behrman, J. N., PH.D.
Bell, G. B., PH.D.
Brummet, R. L., PH.D.
Calhoon, R. P., M.A.
Carleton, W. T., PH.D.
Davis, E. W., PH.D.
Dearborn, D. C., D.S.
Evans, J. P., PH.D.
George, C. S., PH.D.
Hughes, G. D., PH.D.
Jerdee, T. H., PH.D.
Kreps, C. H., Jr. PH.D.

Langenderfer, H. Q., D.B.A.
Lee, J. F., Jr., PH.D.
Lee, M. W., PH.D.
Levin, R. I., PH.D.
Littlefield, J. E., PH.D.
McEnally, R. W., PH.D.
McLaughlin, C. P., D.B.A.
Moffie, D. J., PH.D.
Pringle, J. J., PH.D.
Reynolds, I. N., PH.D.
Stewart, W. S., J.D.
Terrell, J. H., PH.D.
Tillman, R., D.B.A.
Wagner, H. M., PH.D.

Chemistry:
Buck, R. P., PH.D.
Bursey, M. M., PH.D.
Coke, J. L., PH.D.
Collier, F. N., Jr., PH.D.
Dearman, H. H., PH.D.
Eliel, E. L.. PH.D.
Harrison, J. H., IV, PH.D.
Hatfield, W. E., PH.D.
Hiskey, R. G., PH.D.
Hodgson, D. J., PH.D.
Isenhour, T. L., PH.D.
Jarnagin, R. C., PH.D.
Johnson, C. S., Jr., PH.D.
Knight, S. B., PH.D.
Kropp, P. J., PH.D.
Little, W. F., PH.D.
McKee, R. L., PH.D.
Meyer, T. J., PH.D.
Morrow, J. C., III, PH.D.
Murray, R. W., PH.D.
Parr, R. G., PH.D.
Pedersen, L. G., PH.D.
Reilly, C. N., PH.D.
Whitten, D. G., PH.D.

Child Development Center:
Gallagher, J. J., PH.D.
Lillie, D. L. ,D.ED.

City and Regional Planning:
Chapin, F. S., Jr., M.C.P.
Godschalk, D. R., PH.D.
Hemmens, G. C., PH.D.
Hufschmidt, M. M., D.P.A.
Kaiser, E. J., PH.D.
Mayer, R. R., PH.D.
Moreau, D. H., PH.D.
Stegman, M. A., PH.D.

Classics:
Brown, D. L., PH.D.
Kennedy, G. A., PH.D.
Reckford, K. J., PH.D.
Stadter, P. A., PH.D.

Computer Science:
Brooks, F. P., Jr., PH.D.
Calingaert, P., PH.D.
Parnas, D. L., PH.D.

Curriculum, Humanities:
Falk, E. H., PH.D., Comparative Literature

Curriculum, Natural Sciences:
Fishman, G. S., PH.D., Operations Research and Systems Analysis
Frankenberg, D., PH.D., Marine Sciences

Curriculum, Social Sciences:
Sessoms, H. D., PH.D., Recreation Administration
Stein, T. A., PH.D., Recreation Administration

Dentistry:
Baker, R. D., D.D.S.
Barton, R. E., D.D.S.
Bawden, J. W., PH.D.
Burkes, E. J., D.D.S.
Crandell, C. E., D.D.S.
Dobson, D. P., D.D.S.
Forbes, E. A., B.S.
Gregg, J. M., PH.D.
Hanker, J. S., PH.D.
Hunter, G. C., Jr., M.S.
Johnston, M. C., PH.D.
Leinfelder, K. F., M.S.
Lindahl, R. L., M.S.
Lundblad, R. L., PH.D.
Lupton, C., D.D.S.
McFall, W. T., Jr., D.D.S.
Mechanic, G. L., PH.D.
Murray, H. V., Jr., D.D.S.
Nelson, R. M., M.S.
Oldenburg, T. R., M.S.
Proffit, W. R., D.D.S.
Richardson, R. E., D.D.S.
Shankle, R. J., D.D.S.
Silverman, M. S., PH.D.
Sluder, T. B., D.D.S.
Small, E. W., D.D.S.
Sockwell, C. L., D.D.S.
Strickland, W. D., D.D.S.
Sturdevant, C. M., D.D.S.
Taylor, D. F., PH.D.
Terry, B. C., D.D.S.
Turner, D. T., PH.D.
Via, W. F., Jr., D.D.S.
Warren, D. W., PH.D.
Webster, W. P., M.S.
White, R. P., Jr., PH.D.
Wood, M. T., M.S.

Dermatology:
Briggaman, R. A., M.D.
Sams, W. M., Jr., M.D.
Wheeler, C. E., Jr., M.D.

Dramatic Art:
Graves, R. B., Jr., PH.D.
Housman, A. L., PH.D.
Rezzuto, T. A., M.A.

Economics:
Benavie, A., PH.D.
Gallman, R. E., PH.D.
Ingram, J. C., PH.D.
Lovell, C. K., PH.D.
McFarland, D., PH.D.
Mouzon, O. T., PH.D.
Murphy, J. L., PH.D.
Pfouts, R. W., PH.D.
Tarascio, V. J., PH.D.
Waud, R. N., PH.D.

Education:
Ball, L. B., D.ED.
Ballew, J. H., PH.D.
Beach, N. L., D.ED.
Brown, D., PH.D.
Coop, R. H., D.ED.
Gordon, I. J., D.ED.
Hennis, R. S., PH.D.
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Number of students: 8,504.

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College of Business Administration: R. E. Neel, m.s., ph.d.
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Block, W. J., ph.d., History and Political Science
Bredenberg, P. A., ph.d., Philosophy and Religion
Brown, M. L., ph.d., History and Political Science
Bryan, R. S., ph.d., Philosophy and Religion
Cahill, F. V., Jr., ph.d., Political Science
Champion, L. S., ph.d., English
Clifford, W. B., II, ph.d., Sociology and Anthropology
Downs, M. S., ph.d., History
Drabick, L. W., ph.d., Sociology and Anthropology
Drews, F. R., ph.d., Physical Education
Durant, J. D., ph.d., English
Erickson, E. W., ph.d., Economics and Business
Fearn, R. M., ph.d., Economics and Business
Franklin, W. G., ph.d., Speech Communication
Gonzalez, A. A., ph.d., Foreign Languages and Literature
Greenlaw, Ralph, ph.d., History
Halperen, M., ph.d., English
Harris, W. C., ph.d., History
Hobbs, J. P., ph.d., History
Holtzman, A., ph.d., History and Political Science
Jones, C. P., ph.d., Economics and Business
King, D. E., ph.d., History and Education
Knowles, A. S., m.a., English
Koonce, B. G., Jr., ph.d., English
Marsh, C. P., m.s., Sociology and Anthropology
Meyers, W. E., ph.d., English
Moore, F. H., ph.d., English
Mustian, R. D., ph.d., Sociology and Anthropology
Olsen, B. M., ph.d., Economics and Business
Owen, G., ph.d., English
Parker, C. A., ph.d., English
Regan, T. H., ph.d., Philosophy and Religion
Reynolds, M. S., ph.d., English
Riddle, J. M., ph.d., History
Sawhney, M. M., ph.d., Sociology and Anthropology
Smith, W. E., ed.d., Physical Education
Stack, E. M., ph.d., Foreign Languages and Literatures
Suval, S., ph.d., History
Sylla, R. E., ph.d., Economics and Business
Tilman, R. O., ph.d., Politics
Toole, W. B., ph.d., English
Turner, C. B., ph.d., Economics and Business
White, R. B., Jr., ph.d., English
Williams, M. C., ph.d., English
Williams, P., Jr., m.a., English
Wishy, B., ph.d., History
Young, J. N., ph.d., Sociology and Anthropology

School of Physical Sciences and Applied Mathematics:
Bent, H. A., ph.d., Chemistry
Bhattacharyya, Bibhuti, ph.d., Statistics
Bishir, J. W., ph.d., Mathematics
Bordner, J., ph.d., Chemistry
Bowen, L. H., ph.d., Chemistry
Brown, H. S., ph.d., Geosciences
Bumgardner, C. L., ph.d., Chemistry
Burniston, E. E., ph.d., Mathematics
Carmichael, H. H., ph.d., Chemistry
Chandler, R. E., ph.d., Mathematics
Chou, W., ph.d., Computer Science
Cockerham, C. C., ph.d., Statistics
Danby, J. M., ph.d., Mathematics
Davis, W. R., ph.d., Physics
Dearmond, M. K., ph.d., Chemistry
Doggett, W. O., ph.d., Physics
Dotson, W. G., ph.d., Mathematics
Freedman, L. D., ph.d., Chemistry
Fulp, R. O., ph.d., Mathematics
Getzen, F. W., ph.d., Chemistry
Giesbrecht, F. G., ph.d., Statistics
Gold, H. J., ph.d., Statistics
Goodman, M. M., ph.d., Statistics
Grandage, A., ph.d., Statistics
Hader, R. J., ph.d., Statistics
Hall, G. L., ph.d., Physics
Hanck, K. W., ph.d., Chemistry
Harrington, W. J., ph.d., Mathematics
Hayne, D. W., ph.d., Statistics
Hentz, F. C., Jr., ph.d., Chemistry
Hugus, Z. Z., ph.d., Chemistry
Jenkins, A. W., ph.d., Physics
Jenkins, A. W., Jr., ph.d., Physics
Katzin, G. H., ph.d., Physics
Koh, K., ph.d., Mathematics
Kolb, J. R., ph.d., Mathematics
Langfelder, L. J., ph.d., Marine Science and Engineering
Leith, C. J., ph.d., Geosciences
Levine, S. G., ph.d., Chemistry
Loeppert, R. H., ph.d., Chemistry
Long, G. G., ph.d., Chemistry
Longmuir, I. S., m.a., Biochemistry
Luh, J. ph.d., Mathematics
McVay, F. E., ph.d., Statistics
Main, A. R., ph.d., Biochemistry
Manring, E. R., ph.d., Physics
Manson, A. R., ph.d., Statistics
Marlin, J. A., ph.d., Mathematics
Martin, D. C., ph.d., Computer Science
Martin, E. R., ph.d., Computer Science
Martin, R. H., ph.d., Mathematics
Mason, D. D., ph.d., Statistics
Memory, J. D., ph.d., Physics
Menius, A. C., Jr., ph.d., Physics
Meyer, C. D., ph.d., Mathematics
Mitchell, G. E., ph.d., Physics
Monroe, R. J., ph.d., Statistics
Moreland, C. G., ph.d., Chemistry
Nelson, L. A., ph.d., Statistics
Nickel, P. A., ph.d., Mathematics
Ortega, J. M., ph.d., Mathematics
Park, J. Y., ph.d., Physics
Patty, R. R., ph.d., Physics
Proctor, C. H., ph.d., Statistics
Quesenberry, C. P., ph.d., Statistics
Rawlings, J. D., ph.d., Statistics
Ridgeway, D. L., ph.d., Statistics
Rose, N., ph.d., Mathematics
Sagan, H., ph.d., Mathematics
Saucier, W. J., ph.d., Geosciences
Schreiner, A. F., ph.d., Chemistry
Seagondollar, L. W., ph.d., Physics
Steel, R. G. D., ph.d., Statistics
Stitzinger, E. L., ph.d., Mathematics
Struble, R. A., ph.d., Mathematics
Tilley, D. R., ph.d., Physics
Tucker, W. P., ph.d., Chemistry
Van Der Vaart, H. R., ph.d., Statistics
Wahl, G. H., Jr., ph.d., Chemistry
Waltner, A. W., ph.d., Physics
Wasik, J. L., ed.d., Statistics
Welby, C. W., ph.d., Geosciences
Wesler, O., ph.d., Statistics and Mathematics

School of Textiles:
Buchanan, D. R., ph.d., Textile Material and Management
Cates, D. M., ph.d., Textile Chemistry
Chaney, D. W. .ph.d., Textiles
Culculo, J. A., ph.d., Textile Chemistry
Elshiekh, A. H., d.s., Textile Material and Management
Emerson, P. D., b.s., Textile Machine Design and Development
George, T. W., m.a., Textile Material and Management
Gilbert, R. D., ph.d., Textile Chemistry
Hamby, D. S., b.s., Textile Material and Management
Hersh, S. P., ph.d., Textiles
Lord, P. R., ph.d., Textile Material and Management
McGregor, R., ph.d., Textile Chemistry
Mohamed, M. H., ph.d., Textile Material and Management
Shaw, M. R., dr., Textiles
Walsh, W. K., ph.d., Textile Chemistry
Whaley, W. M., ph.d., Textile Chemistry

Division of University Studies:
Huisingh, D., ph.d., University Studies
Lambert, J. R., Jr., ph.d., University Studies
Turner, W. L., d.r.p.a., University Extension and Continuing Education
Wallace, J. C., j.d., University Studies

University of North Carolina at Wilmington: Wilmington, North Carolina 28401; established under the direction of the North Carolina College Conference and under the administration of the Directorate of Extension of the University of North Carolina in 1946; later organized as a county institution under the control of the New Hanover County Board of Education, known as Wilmington College; in 1969 made a unit of the University. Telephone: 791-4330.

Chancellor: WILLIAM H. WAGONER, M.A., PH.D.
Vice-Chancellor for Academic Affairs: CHARLES L. CAHILL, M.S., PH.D.
Vice-Chancellor for Student Affairs: WILLIAM M. MALLOY, M.ED., PH.D.
Academic Dean: DANIEL B. PLYLER, M.A., PH.D.
Librarian: EUGENE W. HUGUELET, M.A., M.S.

Number of teachers: 187.
Number of students: 3,375.

WAKE FOREST UNIVERSITY

BOX 7226, WINSTON-SALEM,
NORTH CAROLINA 27109

Telephone: 761-5000.

Founded 1834.

President: JAMES R. SCALES.
Registrar: MARGARET R. PERRY.
Director of Admissions: W. G. STARLING.
Librarian: M. G. BERTHRONG.

The library contains 660,000 vols.

Number of teachers: 516 full-time, 265 part-time, total 781.
Number of students: 4,516.

WESTERN CAROLINA UNIVERSITY

CULLOWHEE,
NORTH CAROLINA 28723

Telephone: 293-7326.

Founded 1889. Linked to the University of North Carolina.

Chancellor: H. F. ROBINSON.
Vice-Chancellors: ROBERT E. STOLTZ (Academic Affairs), C. JOSEPH CARTER (Business Affairs), JAMES E. DOOLEY (Development and Special Services), GLENN W. STILLION (Student Development).
Director of Academic Services: JOSEPH D. CREECH.
Director of Admissions: TYREE H. KISER.
Registrar: HARRIET PARKER.
Librarian: (vacant).

The library contains 254,103 vols.

Number of teachers: 311.
Number of students: 6,151.

WINSTON-SALEM STATE UNIVERSITY

WINSTON-SALEM,
NORTH CAROLINA 27102

Telephone: (919) 761-2011.

Founded 1892. Linked to the University of North Carolina.

Chancellor: DOUGLAS COVINGTON.
Registrar: Dr. BERNELL JONES.
Director of Admissions: Mrs. FANNIE M. WILLIAMS.
Librarian: Mrs. LUCY L. BRADSHAW.

The library contains 107,493 vols.

Number of teachers: 200.
Number of students: 2,094.

NORTH DAKOTA

DICKINSON STATE COLLEGE

DICKINSON,
NORTH DAKOTA 58601

Telephone: 227-2326.

Founded 1918.

President: ALBERT A. WATREL.
Registrar: N. ABLEIDINGER.
Librarian: B. REINKE.

The library contains 70,000 volumes.
Number of teachers: 87.
Number of students: 1,200.

Publications: *College Catalog*† (biannual), *Prospective Student View Book*† (annual), *Western Concept*† (student newspaper), *Prairie Smoke*† (student yearbook), *Voices*† (student creative writing), *Alumni News*† (quarterly), Departmental brochures† (annual).

JAMESTOWN COLLEGE

JAMESTOWN,
NORTH DAKOTA 58401

Telephone: (701) 253-2333.

Founded 1884.

Private control.

President: J. N. ANDERSON.
Provost: Dr. M. W. ANDRESEN.
Director of Admissions: KEN WALLACE.
Librarian: HAROLD KELLY.

The library contains 55,000 vols.

Number of teachers: 37.
Number of students: 580.

MAYVILLE STATE COLLEGE

MAYVILLE,
NORTH DAKOTA 58257

Telephone: (701) 786-3222.

Founded 1889.

President: J. A. SCHOBEL.
Registrar: K. EASTMAN.
Dean of College: Dr. G. C. LENO.
Librarian: CLENORA QUANBECK.

The library contains 70,041 volumes.

Number of teachers: 47.
Number of students: 731.

MINOT STATE COLLEGE

MINOT,
NORTH DAKOTA 58701

Telephone: 838-6101.

Founded 1913.

President: Dr. GORDON B. OLSON.
Registrar: A. PETERSON.
Librarian: G. CLARK.

The library contains 73,430 volumes.

Number of teachers: 160.
Number of students: 2,700.

NORTH DAKOTA STATE UNIVERSITY

FARGO, NORTH DAKOTA 58102

Telephone: 237-8011.

Founded 1890.

President: Dr. L. D. LOFTSGARD, PH.D.
Vice-President of Academic Affairs: DAVID G. WORDEN, PH.D.
Vice-President for Business and Finance: H. D. STOCKMAN, M.S.
Vice-President for Agriculture: K. A. GILLES, PH.D.
Vice-President for Student Affairs: F. L. PAVEK, ED.D.
Registrar: B. B. BRANDRUD, B.S.
Librarian: K. L. JANECEK, M.A.

The library contains 344,663 volumes.

Number of teachers: 573.
Number of students: 6,700.

Publication: *The Bulletin*†.

DEANS:

Dean of Women: ELLEN KILANDER, M.S.
Dean of Men: B. C. BENTSON, M.S.
Faculty of Agriculture: A. G. HAZEN, M.S.
Faculty of Humanities and Social Sciences: A. JONES, PH.D.
Faculty of Science and Mathematics: JOHN B. GRUBER, PH.D.
Faculty of Engineering and Architecture: JOSEPH STANISLAO, PH.D.
Faculty of Home Economics: KATHERINE BURGUM, M.A.
Faculty of Pharmacy: P. N. HAAKENSON, PH.D.
Faculty of Continuing Studies: VIRGIL D. GEHRING, M.S.
Faculty of Graduate School: J. M. SUGIHARA, PH.D.
Faculty of University Studies: N. S. JACOBSEN, PH.D.

UNIVERSITY OF NORTH DAKOTA

GRAND FORKS,
NORTH DAKOTA 58201

Telephone: University 777-2121.

Chartered 1883.

President: THOMAS J. CLIFFORD, M.B.A., J.D.
Vice-President (Academic Affairs): CONNY NELSON, PH.D.
Vice-President (Finance): G. SKOGLEY, M.A.
Vice-President (Student Affairs): BILL BRYAN, M.S., ED.D.
Registrar: M. T. ULVEN, M.S.
Librarian: EDWARD S. WARNER, A.M.L.S.

The library contains 320,000 volumes.

Number of teachers: 460.
Number of students: 8,632.

DEANS:

University College: GEORGE SCHUBERT, M.S., PH.D.
Graduate: A. W. JOHNSON, PH.D.
Arts and Sciences: B. O'KELLY, PH.D.
Business: CLAIR D. ROWE, PH.D.

Centre for Teaching and Learning: V. Perrone, ph.d.
College for Human Resources Development: Henry J. Tomasek, ph.d.
Engineering: A. G. Fletcher, ph.d.
Fine Arts: John H. Rogers, m.f.a.
Law: R. K. Rushing, ll.b.
Medicine: Tom Johnson, b.a., m.d.
Nursing: Elizabeth Zinser-Powell, m.s., ph.d.
Extension: Orlo A. Sundre.

The library contains 380,000 vols.

Number of teachers: 514.
Number of students: 9,363.

VALLEY CITY STATE COLLEGE

VALLEY CITY,
NORTH DAKOTA 58072
Telephone: (701) 845-7990.

Founded 1889.

President: Dr. Ted D. DeVries.
Dean of Academic Affairs: Dr. Samuel H. Rankin, Jr.
Dean of Administrative Affairs: Nathan E. Crosby.
Librarian: Lillian E. Jacobson.

Number of teachers: 65.
Number of students: 1,000.

Publication: *The Bulletin.*

OHIO

ANTIOCH UNIVERSITY

YELLOW SPRINGS, OHIO 45387
Telephone: (513) 767-1424.

Founded 1852.

President: William M. Birenbaum.
Vice-President of Administration: Dudley Woodall.
Comptroller: Charles Duffy.
Director of Development: Alyce O'Brien.
Registrar: Paula John.

Publication: *Antioch Notes.*

Antioch College

Provost: David Barry.
Academic Dean: Frank Wong.
Director, Antioch Native American Educational Services, Inc.: Faith Smith.
Dean, Antioch Program, E. W. Cook Institute: Linda Phillips.
Librarian: Bruce Thomas.

The library contains 230,000 vols.
Number of teachers: 75.
Number of students: 1,300.

Publications: *Antioch Review* (quarterly), *The Record* (weekly).

Antioch East

Provost: Doris Hall (acting).

Directors:

Program Director, AFL-CIO Labor Studies Center: Jacqueline Brophy.
Antioch Maryland: Doris Hall.
Antioch New England: Lewis Feldstein.
Antioch Philadelphia: David A. Frisby III.
Homestead-Montebello Center: M. S. Johnson, C. Simmons.
Institute of Open Education: Joan Goldsmith, Eileen Brown.

Antioch International

Dean: Frederick R. Klein.

Antioch School of Law

Deans: Jean Camper Cahn, Edgar Cahn.

Antioch College West-UWW

Provost: Martin Kuhn.

ASHLAND COLLEGE

ASHLAND, OHIO 44805
Telephone: (419) 289-4142.

Founded 1878.

President: Arthur L. Schultz.
Vice-President: John D. Baker.
Registrar: L. O. Woodburn.
Director of Libraries: Dwight W. Robinson.

The library contains 119,044 vols.
Number of teachers: 106.
Number of students: 1,700

THE ATHENAEUM OF OHIO

5440 MOELLER AVENUE,
NORWOOD, OHIO 45212
Telephone: (513) 731-2630.

Founded 1829.

Private control (Roman Catholic); Academic year: September to June (three terms).

Chancellor: Archbishop Joseph L. Bernardin.
President: Rev. J. Raymond Favret.
Vice-President: Rev. Francis W. Voellmecke.
Registrar: Rev. John J. Jennings.
Dean, College of Liberal Arts: Fr. William Kennedy.
Librarian: Sister Deborah Hammerling.

The library contains 70,000 volumes.

Number of teachers: 55.
Number of students: 220.

BALDWIN-WALLACE COLLEGE

275 EASTLAND RD.,
BEREA, OHIO 44017
Telephone: 826-2900.

Founded 1845.

President: Dr. A. B. Bonds, Jr.
Registrar and Director of Admissions: J. T. Amy.
Librarian: Dr. Patrick Scanlan.

The library contains 160,000 vols.

Number of teachers: 139 full-time.
Number of students: 3,050.

BLUFFTON COLLEGE

BLUFFTON, OHIO 45817
Telephone: 358-8015.

Founded 1900.

Private control; Academic year: September to May.

President: Elmer Neufeld.
Provost: Donald L. Pannabecker.
Registrar: Richard Weaver.
Librarian: D. Gratz.

The library contains 85,000 vols.; the Mennonite Historical Library contains 15,000 vols.

Number of teachers: 50.
Number of students: 650.

BORROMEO COLLEGE OF OHIO

28700 EUCLID AVENUE,
WICKLIFFE, OHIO 44092
Telephone: 943-3888.

Founded 1953.

President: Mgr. Lawrence P. Cahill.
Vice-President: Rev. Edward Mehok.
Academic Dean: Rev. Martin Amos.
Registrar: Rev. John A. Valley.
Librarian: Mrs. Heidi Mesic.

The library contains 50,000 vols.

Number of teachers: 29.
Number of students: 81.

BOWLING GREEN STATE UNIVERSITY

BOWLING GREEN, OHIO 43403
Telephone: (419) 372-2531.

Founded 1910.

Academic year: September to June.

President: Hollis A. Moore.
Provost: Kenneth R. Rothe.
Vice-President for Resource Planning: Michael R. Ferrari.
Vice-President for Operations: G. Postich.
Vice-President for Public Services: James E. Hof.
Secretary to the Board of Trustees: Richard Edwards.

Library of 576,642 vols., 313,523 government documents.

Number of teachers: 716.
Number of students: 16,054.

Publications: Bulletins, Handbooks, *Philosopher's Index* (quarterly), *Alumni News Magazine* (6 a year), *Key* (annually), *Journal of Popular Culture* (quarterly).

Deans:

Arts and Sciences: J. G. Eriksen.
Education: D. G. Elsass.
Business Administration: K. E. Vogt.
Graduate College: John La Tourette.

Health and Community Services: Joseph K. Balogh.
Musical Arts: R. Glidden.
Firelands: Algalee Adams.

CAPITAL UNIVERSITY

COLUMBUS, OHIO 43209
Telephone: 236-6011.
Founded 1850.

A Lutheran foundation; Academic year: September to June (three terms).

President: Thomas H. Langevin, ph.d.
Provost: Waller B. Wiser, ph.d.
Vice-President for University Relations: R. Chapman.
Vice-President for Financial Affairs: J. G. Robb.
Registrar: R. Patterson.
Director of Admissions: Rex Simonds.
Librarian: Albert Maag.

The library contains 204,415 vols.

Number of teachers: 145.

Number of students: 2,619.

Publications: *Chimes* (newspaper), *Capitalian* (yearbook), *Capital Literary Arts Magazine* (bi-annually), *Alumni Magazine* (4 a year).

Deans:

Arts and Sciences: Richard Green, ph.d.
Music: G. Lloyd, ph.d.
College of Nursing: Frieda Shirk, ed.d.
Capital Law School: R. Goostree, ph.d.
Graduate School of Administration: R. Pinkerton, ph.d.
Student Affairs: Fred Kramer, ph.d.

CASE WESTERN RESERVE UNIVERSITY

UNIVERSITY CIRCLE,
CLEVELAND, OHIO 44106

Founded 1967 from the Western Reserve University (f. 1826 as College) and the Case Institute of Technology (f. 1880 as Case School of Applied Science). The University consists of 13 undergraduate, graduate and professional schools, and 14 specialized research centres, institutes and services.

President: Louis A. Toepfer, ll.d.
University Vice-President: Peter R. Musselman, j.d.
Secretary: Mary Carolyn Neff.
Provost for Case Institute of Technology: Joseph E. Rowe, ph.d.
Registrar: Helen M. Stankard.
Dean of Graduate Studies: Irving B. Weiner, ph.d.

Deans:

School of Dentistry: Thomas J. DeMarco, d.d.s.
School of Medicine: Frederick C. Robbins, m.d.
School of Law: Lindsey Cowen, ll.m.
Francis Payne Bolton School of Nursing: Janetta MacPhail, ph.d.
School of Library Science: Conrad H. Rawski.
School of Applied Social Sciences: Merl C. Hokenstad, Jr., ph.d.
School of Management: Theodore M. Alfred, ph.d.

Professors:

Abels, P. A., ph.d., Social Sciences
Adam, P., Paediatrics
Adelson, L., m.d., Pathology
Adler, R. J., ph.d., Engineering
Aikawa, M., m.d., Pathology
Alfred, T. M., ph.d., Management
Altschal, M., History
Anderson, R. M., ph.d., Nursing
Angus, J. C., ph.d., Engineering
Ankeney, J. L., m.d., Thoracic Surgery
Anton, A. H., ph.d., Anesthesiology
Austin, Arthur D., II, ll.b., Law
Baer, E., ph.d., Engineering
Banker, Betty Q., m.d., Pathology
Bartelmez, E. H., ph.d., German
Baum, D. L., Medicine
Benade, A. H., ph.d., Physics
Berhman, R. E., m.d., Paediatrics
Berk, J. L., m.d., Surgery
Berrettoni, J. N., ph.d., Statistics
Bevington, P. R., ph.d., Physics
Bidelman, W. P., ph.d., Astronomy
Blackwell, J., Engineering
Bloch, E. H., ph.d., m.d., Anatomy
Blum, A., d.s.w., Social Sciences
Bodanszky, M., d.sc., Chemistry
Bowers, D. J., Banking and Finance
Braden, A. C., Accounting
Brosilow, C., ph.d., Engineering
Buchanan, H., ph.d., History
Carlson, K. D., ph.d., Chemistry
Carpenter, C., m.d., Medicine
Carter, J. R., m.d., Pathology
Cascorbi, H. F., ph.d., m.d., Anaesthesiology
Chandrasekhar, B. S., d.phil., Physics
Chatterjee, P., ph.d., Social Sciences
Cherniak, N., Medicine
Chester, E. M., m.d., Medicine
Clark, J. P. H., d.d.s., Dentistry
Clark, R. A., ph.d., Mathematics
Coffey, R. J., ll.m., Law
Cohen, K. S., ll.b., Law
Collin, R. E., ph.d., Engineering
Cooper, A. R., Jr., sc.d., Engineering
Cooper, C., ph.d., Biochemistry
Cowen, L., ll.m., Law
Crouch, M. F., ph.d., Physics
Dannley, R. L., ph.d., Chemistry
Dean, B. V., ph.d., Operations Research
De Marco, T. J., d.d.s., Dentistry
De Palma, R., m.d., Surgery
Derr, R. L., ed.d., Education
Dobyns, B. M., m.d., ph.d., Surgery
Doershuk, C. F., m.d., Paediatrics
Drotning, J. E., Management
Dunn, M., Medicine
Durchslag, M. R., j.d., Law
Eastwood, D. W., m.d., Anaesthesia
Ebert, L. J., Jr., ph.d., Engineering
Eck, T. G., ph.d., Physics
Ellis, Rosemary, ph.d., Nursing
Elwell, K. R., d.d.s., Dentistry
Enlow, D. H., Dentistry
Epp, E. J., ph.d., Religion
Epstein, S. S., m.d., Pharmacology
Ernst, G. W., ph.d., Engineering
Evans, H. M., Radiology
Fackler, J. P., ph.d., Chemistry
Fickinger, W. J., ph.d., Physics
Fischer, F. E., m.s., Nutrition
Fleming, E. S., ph.d., Education
Fletcher, B., m.d., Radiology
Foldy, L. L., ph.d., Physics
Foley, J. M., m.d., Neurology
Fonoroff, A., ll.b., Special Interdisciplinary Studies
Ford, A. B., m.d., Medicine
Friedell, H. L., m.d., ph.d., Radiology
Friedlander, F., ph.d., Organizational Behaviour
Frye, G. M., Jr., ph.d., Physics
Gabinet, L., j.d., Law
Gambetti, P., Pathology
Geil, P. H., ph.d., Engineering
Gibala, R., ph.d., Engineering
Gibbons, D. F., ph.d., Engineering
Goble, G. G., ph.d., Engineering
Gold, B., ph.d., Economics
Goldstein, H., Social Sciences
Goldthwait, D. A., m.d., Biochemistry
Goldwyn, A. J., m.a., Library Science
Goodridge, A. D., Pharmacology
Gordon, W. L., ph.d., Physics
Gravenstein, J. S., m.d., Anesthesiology
Greber, I., ph.d., Engineering
Green, L. J., ph.d., Mathematics
Gregg, E. C., ph.d., Radiology
Griggs, R. C., Medicine
Gross, S., m.d., Paediatrics
Gruber, S., sc.d., Engineering
Grummitt, O. J., ph.d., Chemistry
Grundstein, N., ph.d., Organizational Behaviour
Grundy, K. W., ph.d., Political Science
Haimes, Y. Y., ph.d., Engineering
Hajek, O., dr.rer.nat., Mathematics
Harmon, L., b.s.e.e., Engineering
Harris, J. W., m.d., Medicine
Haskell, P. G., ll.b., Law
Hastings, Elizabeth T., ph.d., English
Haug, M. R., ph.d., Sociology
Hawes, R. R., d.m.d., Dentistry
Hayman, J. M., Jr., m.d., Medicine
Hazony, D., ph.d., Engineering
Heald, M., ph.d., History
Hedstrom, G., ph.d., Mathematics
Hehemann, R. F., ph.d., Engineering
Heiple, K. G., m.d., Surgery
Hellerstein, H. K., m.d., Medicine
Herndon, C. H., m.d., Orthopaedic Surgery
Herstand, T., ph.d., Dramatic Arts
Heuer, A. H., ph.d., Engineering
Hilton, P. J., ph.d., Mathematics
Hines, J. D., m.d., Medicine
Hirschmann, H., m.d., Medicine
Hoffman, R. W., ph.d., Physics
Hokenstad, M. C., Jr., ph.d., Social Sciences
Holden, W. D., m.d., Surgery
Holland, T. P., Social Science
Hoshiko, T., ph.d., Physiology
Houser, H. B., m.d., Epidemiology
Hower, J., ph.d., Earth Sciences
Hrones, J. A., sc.d., Engineering
Hubay, C. A., m.d., Surgery
Ilan, J., ph.d., Anatomy
Izant, R. J., Jr., Surgery
Jenkins, T. L., ph.d., Physics
Jones, J. V., m.s., Library Science
Junger, P. D., ll.b., Law
Kadish, M. R., ph.d., Philosophy
Kahne, S. J., ph.d., Engineering
Katz, L. R., j.d., Law
Kaufman, B., Radiology
Kellermeyer, R. W., Medicine
Kennell, J. H., Paediatrics
Kenney, M. E., ph.d., Chemistry
Kessler, Jane W., ph.d., Psychology
Klaus, M. H., Paediatrics
Klein, L., Biochemistry
Kleinerman, J., m.d., Biomedical Engineering
Klopman, G., d.sc., Chemistry
Ko, W.-H., ph.d., Engineering
Koenig, J. L., ph.d., Engineering
Kohn, R. R., m.d., Pathology
Kolb, D. A., ph.d., Management
Koletsky, S., m.d., Pathology
Kowal, J., m.d., Pharmacology
Kowalski, K. L., ph.d., Physics

Krampitz, L. O., Ph.D., D.Sc., Microbiology
Kretchmer, H. E., M.Sc., M.D., Anesthesiology
Kreiger, I. M., Ph.D., Chemistry
Krieger, H., M.D., Surgery
Kurth, H., Dramatic Arts
Kushner, I., M.D., Medicine
Landau, B. R., Ph.D., M.D., Medicine
Lando, J. B., Ph.D., Engineering
Lasdon, L. S., Ph.D., Operations Research
Lefkowitz, I., Ph.D., Engineering
Lefton, M., Ph.D., Sociology
Lenkoski, L. D., M.D., Psychiatry
Levy, M. N., M.D., Biomedical Engineering
Lick, W. J., Ph.D., Earth Sciences
Liebman, J., M.D., Biomedical Engineering
Lin, W.-C., Ph.D., Engineering
Litt, M. H., Ph.D., Engineering
Little, A. B., M.D., Reproductive Biology
Long, H., Ph.D., Classics
Long, H., Ph.D., Philosophy
Lowhater, A. J., Ph.D., Mathematics
Lynch, W. C., Ph.D., Engineering
Lytle, N. A., Ed.D., Nursing
MacIntyre, M. N., Ph.D., Anatomy
MacPhail, Jannetta, Ph.D., Nursing
McCollom, W. G., Ph.D., English
McEachron, K. B., Jr., B.S.E.E., Engineering
McMillan, G. R., Ph.D., Chemistry
Main, Marjorie W., Ph.D., Social Sciences
Malone, C. A., M.A., Psychiatry
Mann, J. A., Ph.D., Engineering
Manson, S. S., M.S., Engineering
Marsh, Florence G., Ph.D., English
Martin, B., Ph.D., Religion
Matt, M. M., D.D.S., Oral Pathology
Matthews, L. W., M.D., Paediatrics
Mawardi, O. K., Ph.D., Engineering
Mayne, L., Banking
Mearns, E. A., Jr., LL.B., Law
Medalie, J. H., M.D., Family Medicine
Medaeris, D. N., Jr., M.D., Paediatrics
Mendelsohn, H. J., Surgery
Mendelson, A., Engineering
Mergler, H. W., Ph.D., Engineering
Merkatz, I., M.D., Reproductive Biology
Mesarovic, M. D., Ph.D., Engineering
Miller, M., M.D., Medicine
Miraldi, F. D., Ph.D., Biomedical Engineering
Mortimer, E. A., Jr., M.D., Community Health
Moses, F., Ph.D., Engineering
Moskowitz, R. W., M.D., Medicine
Mulhauser, Ruth, Ph.D., Romance Languages
Nara, H. R., Ph.D., Engineering
Nelson, R. J., Ph.D., Philosophy
Neth, S., LL.M., Law
Neville, J., Nutrition
Nordlander, J., E., Ph.D., Chemistry
Nulsen, F. E., M.D., Neurosurgery
Nygaard, O. F., Radiology
Occhinero, R. L., D.D.S., Dentistry
Olah, G. A., Ph.D., Chemistry
Ornstein, R., Ph.D., English
Ostrach, S., Ph.D., Engineering
Pace, E. L., Ph.D., Chemistry
Pao, Y.-H., Ph.D., Engineering
Parker, R. F., M.D., Microbiology
Payne, D., D.M.A., Music
Pearson, O. H., M.D., Medicine
Pernell, Ruby B., Ph.D., Social Sciences
Persky, L., M.D., Surgery
Pesch, P., Ph.D., Astronomy
Phillips, L., Ph.D., Accounting
Phipps, Wilma, A.M., Nursing
Picker, S. I., Jr., LL.M., Law
Plonsey, R., Ph.D., Engineering
Pories, W. J., M.D., Surgery
Pritchard, W. H., M.D., Medicine
Pruitt, A. S. Ed.D., Education
Ptacek, P. H., Ph.D., Speech Communication
Purnell, E. W., M.D., Surgery
Rakita, L., M.D., Medicine
Rammelkamp, C. H., Jr., M.D., Medicine
Ratnoff, O. D., M.D., Medicine
Rawski, C. H. Ph.D., Library Science
Reagan, J. W., M.D., Pathology
Recknagel, R. O., Ph.D., Physiology
Rees, A. M., M.S., Library Science
Reeves, C. H., Ph.D., Classics
Reichart, S., Ed.D., Education
Reid, J. D., M.D., Pathology
Reimer, B., Ed.D., Music
Reisman, A., Ph.D., Operations Research
Reshotke, E., Ph.D., Engineering
Richmond, P., A. Ph.D., Library Science
Rie, H. E., Psychology
Robbins, F. C., M.D., D.Sc., Community Health
Robertson, A. L., M.D., Pathology
Robinson, D., Ph.D., Physics
Robinson, H. S., Ph.D., Classics
Rogers, C. E., Ph.D., Engineering
Rose, F. A., M.D., Radiology
Rose, G. F., Ph.D., Physics
Rosenblatt, J., Ph.D., Biometry
Ross, H. A., LL.B., Law
Roth, J. J., Ph.D., History
Rothchild, I., M.D., Ph.D., Reproductive Biology
Rowe, J. E., Ph.D., Engineering
Rowell, J. A., Ph.D., Library Science
Rowland, V., M.D., Psychiatry
Rushforth, N. B., Ph.D., Biology
Saada, A. S., Ph.D., Engineering
Sable, H. Z., M.D., Ph.D., Biochemistry
Sakami, W., Ph.D., Biochemistry
Salm, P., Ph.D., German
Salomon, R. B., Ph.D., English
Savin, S. M., Ph.D., Earth Sciences
Sayers, G., Ph.D., Physiology
Schafer, I. A., M.D., Paediatrics
Schlotfeldt, R. M., Ph.D., Nursing
Schofield, R. E., Ph.D., History
Schroeder, O. C., Jr., LL.B., Law
Schuele, D. E., Ph.D., Physics
Segall, B., Ph.D., Physics
Seracevic, T., Ph.D., Library Science
Shanker, M. G., J.D., Law
Shelton, J. R., Ph.D., Chemistry
Sholander, M. C., Ph.D., Mathematics
Simha, R., Ph.D., Engineering
Sinclair, D. M., Ph.D., Library Science
Siney, M. C., Ph.D., History
Singer, M., Ph.D., Anatomy
Skeggs, L. T., Ph.D., Biochemistry
Spencer, G. E., Jr., M.D., Surgery
Sprey, J., Ph.D., Sociology
Srivasta, S., Ph.D., Organizational Behaviour
Stavitsky, A. B., Ph.D., Microbiology
Stehli, F. G., Ph.D., Earth Sciences
Stein, M., D.D.S., Dentistry
Steinberg, A. G., Ph.D., Biology
Stephenson, C. B., Ph.D., Astronomy
Steuhr, J. R., Ph.D., Chemistry
Storaasli, J. P., M.D., Radiology
Strauss, W., Ph.D., German
Suess, J. G., Ph.D., Music
Suit, S. R., D.D.S., Dentistry
Sussman, M. B., Ph.D., Sociology
Swift, T. J., Ph.D., Chemistry
Taaffe, J. G., Ph.D., English
Takacs, L., Ph.D., Mathematics
Tandler, B., D.D.S., Oral Biology
Tavill, A. S., M.D., Medicine
Taylor, P. J., Ph.D., Physics
Thaler, R. M., Ph.D., Physics
Thompson, E. D., Ph.D., Engineering
Tobocman, W., Ph.D., Physics
Troiano, A. R., Sc.D., Engineering
Tucker, A. S., M.D., Radiology
Ubbelohde, C. W., Ph.D., History
Utter, M. F., Ph.D., Biochemistry
Uyeki, E., Ph.D., Special Interdisciplinary Studies
Van Tassel, D. D., Ph.D., History
Vertes, V., M.D., Medicine
Victor, M., M.D., Neurology
Wallace, J. F., S.M., Engineering
Wallace, R. A., M.A., English
Walton, A. G., Ph.D., Engineering
Way, F. III, B.S., Engineering
Weiner, I. B., Ph.D., Psychology
Wekesser, E. C., M.D., Surgery
Weldon, W., Ph.D., Banking and Finance
Wentz, W. B., M.D., Reproductive Biology
Werner, Ruth M., Ph.D., Social Sciences
White, R. J., M.D., Ph.D., Neurosurgery
Whitman, D. R., Ph.D., Chemistry
Wieland, R. G., M.D., Medicine
Wilcott, R. C., Ph.D., Psychology
Willard, H. B., Ph.D., Physics
Wisotzky, J., D.D.S., Dentistry
Wolfe, D. M., Ph.D., Organizational Behaviour
Wolinsky, E., M.D., Pathology
Woolf, R. B., M.D., Reproductive Biolcgy
Wood, H. G., Ph.D., D.Sc., Biochemistry
Wright, D. K., Jr., M.S., Engineering
Wu, T.-S., Ph.D., Mathematics
Yeager, E. B., Ph.D., Chemistry
Young, D. M., Ph.D., Labour Relations
Zacks, S., Ph.D., Mathematics

CENTRAL STATE UNIVERSITY

WILBERFORCE, OHIO 45384
Telephone: 376-6011.
Founded 1887.

President: Lionel H. Newsom.
Registrar: Mrs. Frances Hawkins.
Director of Admissions: Edith Johnson.
Librarian: George T. Johnson.

The library contains 130,000 vols.

Number of teachers: 113.
Number of students: 2,280.

Publications: *Annual Catalog, Alumni Journal* (quarterly), *Alumni Newsletter* (quarterly).

Deans:

College of Arts and Sciences: Dr. D. W. Hazel.
College of Business Administration: Dr. Herbert N. Watkins.
College of Education: Dr. E. L. Wingard.

CLEVELAND STATE UNIVERSITY

EUCLID AVE. AT 24TH STREET,
CLEVELAND, OHIO 44115
Telephone: (216) 687-2000
Founded 1964.

President: Walter B. Waetjen, Ed.D.
Vice-President for Academic Affairs: John A. Flower, Ph.D.
Vice-President for Business and Finance: G. L. Hansen, B.S.E., M.B.A.
Vice-President for Planning: T. E. Haynes, M.B.A.
Vice-President for Student Services: A. G. Tew, Ph.D.
Vice-President for University Relations: C. R. Smith, Ed.D.
Director of Libraries: Duncan H. Wall.

The library contains 554,954 vols.

Number of teachers: 535 full-time, 190 part-time.

Number of students: 17,915.

DEANS:

College of Business Administration: Dr. E. P. Smith.
College of Engineering: Dr. Robert Comparin.
College of Arts and Sciences: J. A. Soules, M.S., PH.D.
College of Education: Dr. R. J. McArdle.
Cleveland-Marshall College of Law: Dr. Robert Bogomolny.
Continuing Education: Dr. Ferris F. Anthony.
Graduate Studies: Ronald G. Schultz, PH.D.
Special Studies: R. L. Pruitt, PH.D.

COLLEGE OF MOUNT ST. JOSEPH ON THE OHIO

5700 DELHI ROAD, MOUNT ST. JOSEPH, OHIO 45051
Telephone: (513) 244-4200.
Founded 1920.

President: Jean Patrice Harrington, PH.D., S.C.
Registrar: Sister Rita Schmutte, M.A.
Academic Dean: Norman L. Stewart, PH.D.
Director of Admissions: Domenic Teti.
Dean of Student Affairs: Sister Margaret E. Donnelly, M.A.
Librarian: Sister Elizabeth Brown, M.S. IN L.S.

The library contains 102,413 vols.

Number of teachers: 75.
Number of students: 960.

Publications: *Catalog*†, *Mountings*† (quarterly).

THE COLLEGE OF STEUBENVILLE

COLLEGE HEIGHTS, STEUBENVILLE, OHIO 43952
Telephone: (614) 283-3771.
Founded 1946.

President: Rev. Michael Scanlan, T.O.R.
Registrar: Miss Audrey Savastone.
Director of Admissions: John Burt.
Librarian: Miss Jeannine Kreyenbuhl.

The library contains 145,000 vols.

Number of teachers: 42.
Number of students: 908.

THE COLLEGE OF WOOSTER

WOOSTER, OHIO 44691
Founded 1866.

Independent, founded by the United Presbyterian Church in the U.S.A.

President: Henry J. Copeland, PH.D.
Vice-President for Academic Affairs: William M. Baird, PH.D.
Vice-President for Finance and Business: Hans H. Jenny, DR.RER.POL.
Secretary: Deborah P. Hilty, PH.D.
Registrar: W. L. Culp, B.A.
Director of Admissions: B. E. Morris, M.A.
Librarian: Robert A. Golter, M.L.S.

The library contains over 258,000 volumes.

Number of teachers: 153.
Number of students: 1,832.

Publications: *Voice* (student newspaper), *Wooster Alumni Magazine*, *Wooster Reports*.

DEANS:

Faculty: Vivian L. Holliday, PH.D.
Students: K. R. Plusquellec.

THE DEFIANCE COLLEGE

DEFIANCE, OHIO 43512
Telephone: (419) 784-4010.
Founded 1850.

President: M. J. Ludwig.
Dean of the College: Clifford V. Barr.
Librarian: M. J. Lambright.

The library contains 76,000 vols.

Number of teachers: 50.
Number of students: 701.

DENISON UNIVERSITY

GRANVILLE, OHIO 43023
Telephone: (614) 587-0810.
Founded 1831.

Private control; Academic year: September to June.

President: Robert C. Good.
Provost: L. F. Brakeman.
Vice-President for Finance and Management: J. L. Hicks, Jr.
Registrar: Larry R. Murdock.
Director of Admissions: Richard F. Boyden.
Administrator of Financial Aid: Mariellen Supple.
Director of the Library: Charles B. Maurer.

Number of teachers: 149, including 54 professors.
Number of students: 2,116.

DEANS:

College: Anthony J. Lisska.
Dean of Students: F. Trevor Gamble.

EDGECLIFF COLLEGE

2220 VICTORY PARKWAY, CINCINNATI, OHIO 45206
Telephone: (513) 961-3770.
Founded 1935.

President: Sister Margaret Anne Molitor, R.S.M.
Registrar: Sister Mary Margaret Gough, O.S.B.
Director of Admissions: Pamela Bloomquist.
Dean: Dr. John J. Renaldo.
Librarian: Mrs. Miriam Zafren.

The library contains 92,541 vols.

Number of teachers: 88.
Number of students: 921.

FINDLAY COLLEGE

1000 NORTH MAIN ST., FINDLAY, OHIO 45840
Telephone: 422-8313.
Founded 1882.

President: Glen R. Rasmussen.
Registrar: Paul S. Baker.
Director of Admissions: Carl Gerbasi, Jr.
Librarian: Charles Newman.

The library contains 95,560 vols.

Number of teachers: 56.
Number of students: 985.

HEBREW UNION COLLEGE—JEWISH INSTITUTE OF RELIGION

3101 CLIFTON AVENUE, CINCINNATI, OHIO 45220
Telephone: (513) 221-1875.
Founded 1875.

President: Dr. Alfred Gottschalk.
Dean: Rabbi Kenneth E. Ehrlich.
Librarian: H. Zafren.

The library contains 260,000 volumes.

Number of teachers: 26 full-time, 4 part-time.
Number of students: 235.

Publications: *American Jewish Archives*, *Hebrew Union College Annual*, *Studies in Bibliography and Booklore*.

HEIDELBERG COLLEGE

TIFFIN, OHIO 44883
Telephone: 447-2202.
Founded 1850.

President: Leslie H. Fishel, Jr.
Vice-President and Dean of College: Arthur R. Porter, Jr.
Vice-President and Treasurer: Benjamin B. Hope.
Vice-President for Administration: Paul H. Yackey.
Registrar: M. Van Dyke.
Director of Admissions: (vacant).
Librarian: Janice Strickland.

The library contains 130,777 vols.

Number of teachers: 81.
Number of students: 935.

Publications: *Heidelberg Alumni Magazine*†, *Heidelberg College Catalogue*.

HIRAM COLLEGE

HIRAM, OHIO 44234
Telephone: (216) 569-3211.
Founded 1850.

President: Elmer Jagow.
Registrar: Judith Ismail.
Librarian: Thelma Bumbaugh.

The library contains 148,000 vols.

Number of teachers: 107.
Number of students: 1,150.

JOHN CARROLL UNIVERSITY

CLEVELAND, OHIO 44118

Telephone: (216) 491-4911.

Founded 1886.

Private control (Roman Catholic affiliated); academic year: September to December, January to May, plus two five-week summer terms.

President: H. F. BIRKENHAUER, S.J., S.T.L., PH.D.

Academic Vice-President: A. J. NOETZEL, M.B.A., PH.D.

Dean of College of Arts and Sciences: THEODORE W. WALTERS, S.J., PH.D.

Dean of School of Business: V. RAY ALFORD, PH.D.

Dean of Graduate School: LOUIS G. PECEK, PH.D.

Director of Admissions: JOHN P. SAMMON, A.M.

Registrar: J. F. HUDDLESTON, A.B., J.D.

Director of Libraries: TIMOTHY J. SHEPARD, S.J., M.S. IN L.S.

The library contains 342,146 vols.

Number of teachers: 271.
Number of students: 3,637.

KENT STATE UNIVERSITY

KENT, OHIO 44242

Telephone: 672-2121.

Founded 1910.

President: DR. BRAGE GOLDING.

Vice-President for Business Affairs and Treasurer: RICHARD E. DUNN.

Vice-President for Academic and Student Affairs: DR. MICHAEL SCHWARTZ.

Vice-President for University Affairs: CHARLES W. INGLER, JR.

Vice-President for Extended University: WILLIAM M. STEPHENS.

Director of Admissions: FRED L. GISSENDANER.

Librarian: H. W. KRITZER.

The library contains 1,100,000 vols.

Number of teachers: 1,047.
Number of students: 26,420.

Publications: College catalogues, monthly bulletins, *Kent* (quarterly).

DEANS AND DIRECTORS:

Education: R. J. ALFONSO.

Arts and Sciences: R. O. BUTTLAR.

Business and Administration: STANLEY J. HILLE.

Fine and Professional Arts: HARRY AUSPRICH.

Honors and Experimental College: MELVYN J. FEINBERG.

Graduate College: KENNETH L. HOVING.

Library Science: A. R. ROGERS.

School of Health, Physical Education and Recreation: C. E. ERICKSON.

School of Nursing: L. HENDERSON.

Research and Sponsored Programs: E. P. WENNINGER.

Liquid Crystals Institute: G. BROWN.

KENYON COLLEGE

GAMBIER, OHIO 43022

Founded 1824.

President: P. H. JORDAN, JR., PH.D.

Provost: BRUCE HAYWOOD, PH.D.

Director of Admissions: J. D. KUSHAN, A.B., M.ED.

Dean of Students: T. J. EDWARDS, M.A.

Dean for Academy Advising: MARGARET E. TOWNSEND, M.A.

Librarian: WILLIAM T. DAMERON.

The library contains 255,000 vols.

Number of teachers: 115.
Number of students: 1,456.

LAKE ERIE COLLEGE

PAINESVILLE, OHIO 44077

Telephone: (216) 352-3361.

Founded 1856.

Private control; Academic year: September to June (three terms and one summer session); includes a four-year residential college for women with an academic term abroad, and Garfield Senior College, a non-residential coeducational college serving primarily students in the last two years.

President: CHARLES E. P. SIMMONS, PH.D.

Provost: DAVID FRENCH, PH.D.

Vice-President, Development: P. D. NEWLAND, M.A., D.D.

Vice-President, Finance: J. L. NORRIS. A.M.

Registrar: MARGERY AINSWORTH, A.B.

Director of Admissions: JOAN WALLENT.

The library contains 80,000 vols.

Number of teachers: 72.
Number of students: 749.

Publications: *Lake Erie College Studies* (irregular), *Nota Bene* (annual), *Bulletin*, *Cymbal*.

MALONE COLLEGE

515 25TH STREET, N.W.,
CANTON, OHIO 44709

Founded 1892.

President: LON D. RANDALL.

Vice-President: ROBERT A. OETJEN.

The library contains 83,200 vols.

Number of teachers: 36.
Number of students: 802.

Publication: *The Messenger*†.

MARIETTA COLLEGE

MARIETTA, OHIO 45750

Telephone: (614) 373-4643.

Chartered 1835.

Private control; liberal arts, fine arts and petroleum engineering.

President: SHERRILL CLELAND, PH.D.

Dean: JAMES MURTHA, PH.D.

Dean of Students: NANCY DICKENS.

Librarian: R. F. CAYTON, PH.D.

The library contains 236,697 vols.

Number of teachers: 102, including 33 professors.

Number of students: 953 men, 503 women, total 1,456.

Publications: *Bulletin*, *Marietta's World*, *The Blue and White*.

MIAMI UNIVERSITY

OXFORD, OHIO 45056

Telephone: (513) 529-2161.

Founded 1809.

State control.

President: PHILLIP R. SHRIVER, PH.D.

Executive Vice-President for Academic Affairs and Provost: D. G. BROWN, PH.D.

Vice-President for Student Affairs: R. F. ETHERIDGE, ED.D.

Vice-President for Finance and Business Affairs: L. GOGGIN, M.B.A.

Vice-President for Development and Alumni Affairs: J. E. DOLIBOIS, A.B.

Registrar: K. H. BOGARD, JR., M.S.

Director of Libraries: D. E. OEHLERTS, PH.D.

Number of teachers: 751.
Number of students: 17,907.

DEANS:

Arts and Science: C. K. WILLIAMSON, PH.D.

Business: B. R. MOECKEL, PH.D.

Education: C. N BOGNER, ED.D.

Fine Arts: C. L. SPOHN, PH.D.

Applied Science: G. BOWERS, M.S.

Interdisciplinary Studies (Western College Program): M. J. LUNINE, PH.D.

Graduate School: S. PETERSON, PH.D.

MOUNT UNION COLLEGE

ALLIANCE, OHIO 44601

Founded 1846.

President: RONALD G. WEBER, D.B.A.

Dean: G. B. LANTZ, JR., PH.D.

Registrar: F. W. ASHBAUGH, A.M.

Librarian: N. Y. OSBORNE, LITT.M., B.L.S.

Number of teachers: 76, including 23 full professors.
Number of students: 1,119.

Publications: *Alumni Bulletin*, *Catalogues*.

MUSKINGUM COLLEGE

NEW CONCORD, OHIO 43762

Founded 1837.

President: JOHN A. BROWN.

Vice-President and Dean of the College: RUSSELL HUTCHISON.

Vice-President of Public Affairs and Resources: PAUL MORRIS.

Treasurer: CHARLES STORY.

Director of Admissions: RICHARD WATSON.

Librarian: J. B. ARMSTRONG.

Dean of Students: LOUIS CUNNINGHAM.

Number of teachers: 88, including 29 professors.

Number of students: 950.

Publications: *Catalog*, *Alumni Bulletin*, *The Muskie Handbook*.

NOTRE DAME COLLEGE OF OHIO

4545 COLLEGE ROAD,
CLEVELAND, OHIO 44121
Telephone: (216) 381-1680.
Founded 1922.

President: Sister Mary Marthe, S.N.D.
Registrar: Sister Mary Stanislas, S.N.D.
Academic Dean: Sister Mary Donald Ann, S.N.D.
Librarian: Anita Johnson.

The library contains 75,583 vols.

Number of teachers: 32 full-time, 25 part-time.

Number of students: 541.

OBERLIN COLLEGE

OBERLIN, OHIO 44074
Founded 1833

President: E. C. Dannenberg, M.M.
Vice-President and Provost: J. L. Powell, Ph.D.
Vice-President for Business and Finance: Dayton E. Livingston, M.B.A.
Director of Admissions: Carl W. Bewig, M.A.
Treasurer: R. S. Cooper, M.A.
Secretary: Robert A. Haslun, B.A. (acting).
Librarian: John E. Druesedow, Ph.D. (acting).

The library contains 700,000 volumes.

Number of teachers: 226.

Number of students: 2,700.

Deans:

College of Arts and Sciences: Robert M. Longsworth, Ph.D.
Conservatory of Music: D. S. Boe, M.A.

OHIO DOMINICAN COLLEGE

1216 SUNBURY ROAD,
COLUMBUS, OHIO 43219
Telephone: 253-2741.

Four-year co-educational liberal arts college; founded 1911 as College of St. Mary of the Springs; name changed 1968.

Academic year: August to May (two terms and one 7-week summer session.

President: Sister M. Suzanne, O.P.
Registrar: Mrs. Marie Taylor.
Director of Admissions: William Anderson.
Librarian: Sister Thomas Aquin Kelly.

The library contains 74,055 vols.

Number of teachers: 69.

Number of students: 1,000.

OHIO NORTHERN UNIVERSITY

ADA, OHIO 45810
Telephone: (419) 634-9921.
Founded 1871.

Private (United Methodist); Academic year: September to May (summer sessions, June to August).

President: Dr. Ray B. Loeschner.
Registrar: J. L. Moore.
Librarian: J. W. Baker.

The library contains 320,600 vols.

Number of teachers: 162.

Number of students: 2,700.

Deans:

Arts and Sciences: Dr. B. L. Linger.
Engineering: L. H. Archer.
Pharmacy: Dr. L. D. Beltz.
Law: Dr. I. M. Bernard (acting).
Business Administration: Dr. C. A. Painter.

OHIO STATE UNIVERSITY

190 NORTH OVAL MALL,
COLUMBUS, OHIO 43210
Telephone: (614) 422-6446.

Founded 1870; campuses at Lima, Mansfield, Marion and Newark.

President: Harold A. Enarson, Ph.D.
Provost: A. J. Kuhn, Ph.D.
Vice-President for Business and Administration and Secretary to the Board of Trustees: Edward Q. Moulton, Ph.D.
Vice-President for Educational Services: Kathryn T. Schoen, Ph.D.
Vice-President for Regional Campuses and Dean of the University College: J. T. Mount, M.S.
Vice-President for Student Services: William R. Nester, Ph.D.
Vice-President for Medical Affairs: Henry G. Cramblett, M.D. (acting).
Vice-President for Public Affairs: Edwin M. Crawford, B.S.
Vice-President for Personnel Services: Madison H. Scott, B.A.
Assistant Vice-President for Registration Services: (vacant).

Library: *see* Libraries.

Number of teachers: 3,600.

Number of students: 54,640.

Publications: *Bulletin of Business Research* (monthly), *College of Medicine Journal* (quarterly), *News in Engineering* (monthly), *Ohio Biological Survey Bulletin* (bi-monthly), *Journal of Higher Education* (monthly), *Ohio Journal of Science* (bi-monthly), *Journal of Money, Credit and Banking* (quarterly), *Ohio State Engineer* (student quarterly), *Ohio Theatre Collection Bulletin* (annually), *Speculum* (Veterinary Medicine, quarterly), *Theory into Practice* (5 issues a year), etc.

Deans:

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College of Agriculture and Home Economics: R. M. Kottman, Ph.D.
College of the Arts: Andrew J. Broekema, Ph.D.
College of Biological Sciences: Patrick R. Dugan.
College of Dentistry: Charles L. Howell, D.D.S.
College of Education: F. R. Cyphert, Ed.D.
College of Engineering: Donald D. Glower, Ph.D.
College of Humanities: Diether H. Haenicke, Ph.D.
College of Law: James E. Meek.
College of Mathematical and Physical Sciences: C. Bull, Ph.D.
College of Medicine: H. G. Cramblett, M.D.
College of Optometry: F. W. Hebbard, Ph.D., O.D.
College of Pharmacy: Albert H. Soloway, Ph.D.
College of Social and Behavioural Sciences: Edward C. McDonagh, Ph.D.
College of Veterinary Medicine: C. R. Smith, D.V.M., Ph.D.
College of Social Work: Robert O. Washington, Ph.D.
Graduate School: Jules P. Lapidus, Ph.D.
University College: J. T. Mount, M.S.

Full Professors:

College of the Arts:

Art:

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Black, D. E.
Chafetz, S.
Csuri, C. A.
Freeman, J. B.
Friley, E. B.
Hall, W. G.
King, R. D.
Ruzicka, F. A.

Art Education:

Efland, A. D.
Severino, D. A.

Design:

Wood, D. G.
Zimmer, F. A., Jr.

History of Art:

Ludden, F. N.
Melnikas, A.

Dance:

Alkire, Helen P.
Blaine, V. J.

Music:

Barnes, M. H.
Casey, M. T.
Cooper, I. M.
Haddad, G. R.
Hardesty, G. E.
Held, W. C.
Hoppin, R. H.
Kuehefuhs, Gertrude C.
Livingston, H. S.
Main, A. M.
McClure, T. R.
McGinnis, D. E.
Mixter, K. E.
Phelps, N. F.
Poland, B. W., III
Ramsey, H. W.
Sexton, A. J.
Tetleykardos, R.
Tolbert, Mary R.
Wilson, G. J.

Theatre:

Bowen, R. H.
Crepeau, G. P.
Golding, A. S.
Lewis, G. L.
Ritter, C. C.
Walker, J. A.

College of Biological Sciences:

Biochemistry:

Barber, G. A.
Behrman, E. J.
Deatherage, F. E.
Doskotch, R. W.
Harper, W. J.
Ives, D. H.
Marzluff, G. A.
Moore, R. O.
Moxon, A. L.
Scott, R. A.
Serif, G. S.
Snell, J. F.
Vanwinkle, Q.

Biophysics:

Blackwell, H. R.
Corson, S. A.
Hill, R. M.
Hollander, P. B.
Lipetz, L. E.
Rothstein, J.
Smith, S. W.
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Stow, R. W.
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Rings, R. W.
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Treece, R. E.
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Waldron, A. C.
Wharton, G. W., Jr.

Genetics:

Birky, C. W.
Fechheimer, N. S.
Griffing, J. B.
Harvey, W. R.
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Plaine, H. L.
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Swiger, L. A.
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Microbiology:

Banwart, G. J.
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Chorpenning, F. W.
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Miller, R. H.
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Zoology:

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Markels, J. H.
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Soellner, R. H.
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Slavic Languages and Literatures:

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Astronomy:

Capriotti, E. R.
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Physics:
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Anthropology:
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Sani, G. A.
Snyder, R. C.
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Hothersall, D.
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Kaswan, J. W.
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Meyer, D. R.
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Ostron, F. M.
Pepinsky, H. B.
Rye, H. E.
Schmidt, L. D.
Siegel, S. M.
Thompson, G. G.
Walsh, W. B.
Wenar, C.
Wickens, D. D.

Sociology:
Allen, H. E.
Clarke, A. C.
Corwin, R. G.
Dinitz, S.
Dynes, R. R.
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Helfirch, M. L.
Hinkle, R. C.
Jonassen, C. T.
McDonagh, E. C.
Nagi, S. Z.
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VanderZanden, J. W.

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Fotheringham, W.
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Hale, F.
Hull, R. B.
Lewis, G. L.
Monaghan, R.
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Schoen, K.
Smallwood, O. T.
Smith, D.
Wagner, R. W.

College of Administration Sciences:
Accounting:
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Fertig, P. E.
Greenball, M. N.
Kindig, F. E.
Kollaritsch, F. P.
McCollough, E. V., Jr.
Stanley, C. H.

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Chen, A. H. Y.
Cole, D. W.
Gibson, F. F.
Kane, E. J.
Rapp, W. A.
Sturdivant, F.

Management Science:
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Bobbitt, H. R.
Bowman, E. H.
Hicks, C. B.
Howland, D.
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Miljus, R. C.
Ritzman, L. P.

Marketing:
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Blackwell, R. D.
Cullman, W. A.
LaLonde, B. J.
Leavitt, C.
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Public Administration:
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Social Work:

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Medhurst, R. R.
Parnicky, J. J.
Rosner, M. S.
Schneiderman, L.

College of Agriculture and Home Economics:

Agricultural Economics and Rural Sociology:

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Baker, R. L.
Barr, W., Jr.
Baumer, E. F.
Boyne, D. H.
Cravens, M. E.
Dougan, R. S.
Hadley, H. H.
Himes, G. C.
Ingraham, C. H.
McCormick, F. B.
Mitchell, J. B.
Moore, J. E.
Phillips, G. H.
Rask, M.
Sharp, J. W.
Shaudys, E. T.
Smith, M. G.
Stout, T. T.
Walker, F. E.
Wayt, W. A.

Agricultural Education:

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Boucher, L. W.
Cunningham, C. J.
Gehres, A. .F
Guiler, G. S.
Halterman, J. J.
Hull, W. L.
Johnson, C. E.
Lifer, C. W.
Magisos, J. H.
McCormick, R. W.
Ritchie, A. E.
Taylor, R. E.
Warmbrod, J. R.
Watson, W. H.
Wilson, R. H.

Agricultural Engineering:

Bondurant, B. L.
Byg, D. M.
Curry, R. B.
Drew, L. O.
Hamdy, M. Y.
Herum, F. L.
Huber, S. G.
Johnson, C. E.
Palmer, M. L.
Schwab, G. O.
Taiganides, E. P.

Agronomy:

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Davis, R. R.
Dollinger, E. J.
Friday, D. T.
Gist, G. R., Jr.
Haghiri, F.
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Herr, D. E.
Himes, F. L.
Hoff, D. J.
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Lafever, H. N.
McLean, E. O.
Mederski, H. J.
Miller, R. H.
Parsons, J. L.
Ray, D. A.
Ryder, G. J.
Schmidt, B. L.
Shepherd, L. N.
Smith, P. E.
Stroube, E. W.
Sutton, P.
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Triplett, G. B., Jr.
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Vankeuren, R. W.
Waldron, A. C.
Wilding, L. P.

Animal Science:

Cahill, V. R.
Cline, J. H.
Dehority, B. A.
Grimshaw, R. H.
Harvey, W. R.
Johnson, G. R.
Johnston, C.
Judy, J. K.
Klosterman, E. W.
Kottman, R. M.
Ludwick, T. M.
Martin, C. M.
Moxon, A. L.
Newland, H. W.
Ockerman, H. W.
Parker, C. F.
Plimpton, R. F.
Reed, R. R.
Swiger, L. A.
Tyznik, W. J.
Vanstavern, B. D.
Venzke, W. G.
Wilson, G. R.
Wilson, R. F.

Dairy Science:

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Brakel, W. J.
Conrad, H. R.
Fechheimer, N. S.
Gomes, W. R.
Harvey, W. R.
Heider, L.
Hibbs, J. W.
Ludwick. T. M.
Porter, R. M.
Porterfield, R. A.
Staubus, J. R.

Food Science and Nutrition:

Allred, J. B.
Hansen, P. M. T.
Harper, W. J.
Kristoffersen, T.
Naber, E. C.
Vivian, V. M.

Home Economics:

Cleveland, Beatrice J.
Dalrymple, Julia I.
Dickey, L.
Firebaugh, Francille
Gorman, Anna M.
Haynes, Orena M.
Hubbard, Rachel M.
Hunt, F.
Lapitsky, Mary
McCormick, Anita R.
McCormick, N.
Meacham, E.
Sarbaugh, Mabel M.
Vivian, Virginia M.

Horticulture:

Alban, E. K.
Blake, R. C.
Cahoon, G. A.
Caldwell, J. L.
Donoho, C. W.
Gallander, J. F.
Geisman, Jean R.
Gould, W. A.
Hartman, F. O.
Hill, R. G., Jr.
Kawase, M.
Kiplinger, D. C.
Kretchman, D. W.
Rollins, H. A., Jr.
Smith, E. M.
Tayama, H. K.
Wittmeyer, E. C.

Natural Resources:

Brown, J. H.
Cowen, W. F., Jr.
Gatherum, G. E.
Good, E. E.
Johnson, C. S.
Jones, D. O.
Kriebel, H. B.
Larson, M. M.
Murphy, E. F.
Pettyjohn, W. A.
Schwab, G. O.
Taft, C. E.
Touse, R. D.
Whitmore, F.

Plant Pathology:

Deep, I. W.
Ellett, C. W.
Janson, B. F.
Leben, C.
Schmitthenner, A.
Williams, L. E.

Poultry Science:

Allred, J. B.
Baker, R. L.
Bohl, E. H.
Brown, K. I.
Harvey, W. R.
Johnston, C.
Marquand, J. W.
Marsh, G. A.
Naber, E. C.
Stephens, J. F.

College of Education:

Education:

Alberty, Elsie J.
Allen, E. D.
Anderson, D. P.
Ashcroft, S. C.
Bateman, D. R.
Blanke, V. E.
Cook, D. L.
Coon, H. L.
Crosswhite, F. J.
Cruickshank, D. R.
Cunningham, L. L.
Cyphert, F. R.
Destefand, J. S.
Dowling, W. D.
Duncan, J. K.
Eboch, S. C.
Frazier, A.
Frymier, J. R.
Galloway, C. M.
Gilliom, M. E.
Hack, W. G.
Holloway, W. J.
Hough, J. B.
Huck, Charlotte S.
Hull, R. B.
Jewett, R. E.
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King, Martha L.
Klohr, P. R.
Languis, M. L.
Larmee, R. A.
Lewis, G. L.
Lux, D. G.
Mayer, V. J.
McCormick, R.
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Mooney, R. L.
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Morrison, E. J.

Muessig, R. H.
Nystrand, R. O.
Peters, H. J.
Pratt, R.
Reagan, G.
Quaranta, J. J., Jr.
Ray, W. E.
Rentel, V. M.
Riccio, A. C.
Roaden, A. L.
Sanders, D. P.
Sevens, T. M.
Severino, D. A.
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Staub, W. F.
Sutton, R. B.
Taylor, R. E.
Tomlinson, L. R.
Trimble, H. C.
Tripp, P. A.
Trzebratowski, G.
Tyler, I. K.
Vivian, N. E.
Wagner, R. W.
Wagstaff, L. H.
Wayson, W. W.
Wohlers, A. E.
Zidonis, F. J.

Health, Physical Education, and Recreation:

Bartels, R. L.
Bennett, B. L.
Beyrer, M. K.
Ersing, W. F.
Fox, E. L.
Hayes, W. W.
Hess, L. A.
Hiatt, E. P.
Kleinman, S.
Mand, C. L.
Mathews, D. K.
Rupert, Evelyn A.
Seidentop, D. L.
Smith, C. W.
Weiss, H. S.
Yost, Mary M.

College of Engineering:

Aeronautical and Astronautical Engineering:

Bailey, C. D.
Burggraf, O. R.
Edse, R.
Gatewood, B. E.
Gregorek, G.
Lee, J. D.
Li, T. Y.
Nermen, R.
Petrie, S. L.

Architecture:

Borchers, P. E.
Carpenter, J. T.
Clark, G. M.
Coddington, G. H.
Gerckens, L. C.
Green, R. S.
Korda, P. E.
Phillian, H. E.
Tobey, G. B., Jr.
Whitaker, E. L.

Aviation:

Eggspuehler, J. J.

Ceramic Engineering:

Russell, R., Jr.
Shook, W. B.

Chemical Engineering:

Brodkey, R. S.
Geankoplis, Christie
Lynn, R. E.
Smith, E. E.
Sweeney, T. S.
Syverson, A.

Civil Engineering:

Chen, T. Y.
Green, R. S.
Jones, R. C.
Majidzadeh, K.
Merchant, D. C.
Mintzer, O. W.
Moulton, E. Q.
Mueller, I. I.
Ojalvo, M.
Rapp, R. H.
Ricca, V. T.
Rueben, A. J.
Sandhu, R. S.
Smith, C. B.
Stiffel, R. C.
Treiterer, J.
Whitehurst, E.
Wu, T. H.

Computer and Information Science:

Bojanic, R.
Csuri, C. A.
Hang, R. I.
Kearns, C. H., Jr.
Larue, R. D.
McGhee, R. B.
Pepinsky, H. B.
Reeves, R. F.
Rothstein, J.
Saltzer, C.
Yovits, M. C.

Electrical Engineering:

Collins, S. A.
Cornetet, W., Jr.
Cowan, J. D., Jr.
Davis, D. T.
Davis, W. C.
Fenton, R. E.
Gottling, J. G.
Hsu, H.
Kennaugh, E. M.
Ko, H. C.
Kouyoumjian, R. G.
Kraus, J. D.
Ksienski, A. A.
Levis, C. A.
Long, R. K.
McGhee, R. B.
McMaster, R. C.
Mathis, H. F.
Middleton, A. E.
Peake, W. H.
Peters, L., Jr.
Richmond, J. H.
Sebo, S. A.
Smith, N. A.
Thurston, M. O.
Walter, C. H.
Warren, C. E.
Weed, H. R.
Weimer, F. C.
Yovits, M. C.

Engineering Graphics:

Hang, R. I.
Kearns, C. H., Jr.
Larue, R. D.
Parkinson, R. W.
Reed, E. O., Jr.
Romeo, A.
Yarrington, P. T.

Engineering Mechanics:

Graff, K. F.
Graham, P. F.
Leissa, A. W.
Popelar, C. H.
Stevens, K. K.
West, C. T.

Industrial Engineering:

Bishop, A. B.
Giffin, W. C.
Morris, W. T.
Neuhardt, J. B.
Rockwell, T. H.

Mechanical Engineering:

Collins, J. A.
Doebelin, E. O.
Han, L. S.
Jones, C. D.
Moran, M. J.
Redmond, R. F.
Sepsy, C. F.
Smith, M. L.
Starkey, W. L.
Velkoff, H. R.
Zimmerman, R. H.

Metallurgical Engineering:

Beck, H. F.
Hirth, J. P.
McCauley, R. B.
Powell, G. W.
Rapp, R. A.
Rigney, D. A.
Speiser, R.
Spretnak, J. W.
Staehle, R. W.
St Pierre, G. R.
Williams, D. C.

Photography and Cinema:

Clarke, A. C.
Drvota, M.
Marantz, K. A.
Wagner, R. W.

Welding Engineering:

Collins, S. A.
Graff, K. F.
Green, R. S.
Jackson, C. E.
McCauley, R. B., Jr.
McMaster, R. C.

College of Pharmacy:

Beal, J. L.
Bope, F. W.
Burkman, A. M.
Doskotch, R. W.
Lapidus, J. B.
Latiolais, C. J.
Malspeis, L.
Nelson, J. W.
Notari, R. E.
Parks, L. M.
Patil, P. N.
Rucker, T. D.
Salisbury, R.
Sokoloski, T. D.
Witiak, D. T.

College of Dentistry:

Dentistry:

App, G. R.
Blozis, G. G.
Boucher, C. O.
Bowers, D. F.
Bruce, W. A.
Cavalaris, C. J.
Chandler, H. H.
Conroy, C. W.
Dew, W. C.
DiOrio, L. P.
Eglitis, I.
Foreman, D. W.
Hall, A. W.
Heintz, W. D.
Kreider, J. A.
Long, A. C.
McConnell, D.
Melfi, R. C.
Obrien, R. C.
Pappas, G. C.
Porter, M. R.
Rosen, S.
Russell, O E.
Solt, C. W.
Stevenson, T. D.
Williams, B. H.
Woelfel, J. B.
Zacherl, W. A.

Dental Hygiene:

Reynolds, Nancy M.

College of Law:

Clovis, A. L.
Fink, H. P.
Herman, L.
Jacob, B. R.
Kindred, M. J.
Kozyris, P. J.
Laughlin, S., Jr.
Lynn, R. J.
Murphy, E. F.
Nordstrom, R. J.
Rose, M. D.
Rosenn, K. S.
Rutledge, I. C.
Shipman, M. E.
Slagle, L. O.
Slain, J. J.
Sorensen, P. C.
Sowle, C. R.
Wills, R. L.

College of Medicine:

Allied Medical Professions:

Atwell, R. J.
Burt, J. K.
Hamelberg, W.
Johnson, E. W.
Keller, M. D.
Molleson, Ann, L.
Reynolds, N. J.
Schoen, K.
Stevenson, T. D.
Trzebiatowski, G. L.

Anatomy:

Ackerman, G. A.
Eglitis, Irma
Gaughran, G. R. L.
King, J. S.
Martin, G. F.
Russell, O. E.
St. Pierre, R. L.

Anaesthesiology:

Gardier, R. W.
Hamelberg, W.

Medical Microbiology:

Bowman, B.
Cramblett, H. G.
Hamparian, V. V.
Haynes, R. E.
Kapral, F. A.
Lang, R. W.
Ottolenghi, A. C.
Perkins, R. L.
Somerson, N. L.

Medicine:

Allen, J. N.
Balcerzak, S. P.
Beman, F. M.
Bouroncle, B. A.
Capen, C. C.
Delor, Camille J.
Ferris, T. F.
George, J. M.
Knies, P. T.
Lewis, R. P.
Lobuglio, A. F.
Lowney, E. D.
Mazzaferri, E. L.
McCoy, F. W.
Metz, E. M.
Perkins, R. L.
Prior, J. A.
Ryan, J. M.
Skillman, T. G.
Tzagournis, M.
Wall, R. L.
Warren, J. V.
Wilson, H. E., Jr.
Wooley, C. F.

Nursing:

Fritz, E. L.
Sills, G. M.

Obstetrics and Gynaecology:

Boutselis, J. G.
Copeland, W., Sr.
Hollenbeck, Z. J.
Holzaepfel, J. H.
Stevens, V. C.
Teteris, N. J.
Williams, J. H.

Ophthalmology:

Blackwell, H. R.
Havener, W. H.
Keates, R. H.
Makley, T. A., Jr.
Suie, T.

Otolaryngology:

Lim, D. J.
Saunders, W. H.

Pathology:

Baba, N.
Cole, C. R.
Grannis, G.
Holaday, W. J.
Liss, L.
Meites, S.
Newton, W. A., Jr.
Stevenson, T. D.

Paediatrics:

Allen, J. N.
Cramblett, H. G.
Graham, B. D.
Hamparian, V. V.
Haynes, R. E.
Helper, M.
Hosier, D. M.
Kontras, Stella B.
Meites, S. M.
Newton, W. A., Jr.
Rie, H. E.
Sherard, E. S.
Somerson, N. N.
Sotos, J. F.
Turner, E. V.

Pharmacology:

Bianchine, J. R.
Couri, D.
Gardier, R. W.
Hollander, P. B.
O'Neill, J. J.

Physical Medicine:

Johnson, E. W.
Nagi, S. Z.
Stow, R. W.

Physiological Chemistry:

Alben, J. D.
Allen, J. N.
Brierley, G. P.
Cornwell, D. G.
Frajola, W. J.
Gruemer, H. D.
Horrocks, L. A.
Kruger, F. A.
Merola, A. J.
Richardson, K. E.
Sprecher, H. W.
Webb, T. E.

Physiology:

Hanson, K. M.
Hiatt, E. P.
Lebrie, S. J.
Lessler, M. A.
Myers, W. G.
Nishikawara, M. T.
Pieper, H. P.
Smith, C. W.
Stow, R. W.
Weiss, H. S.

Preventive Medicine:

Ellingson, H. V.
Hiatt, E. P.
Keller, M. D.
Shaffer, T. E.
Williams, T.

Psychiatry:

Corson, S. A.
Fox, R. E.
Green, E. W., Sr.
Gregory, I. W. D.
Kaelbling, R.
Kangas, J. O.
Knopp, W.
Marks, P. A.
Siegel, S. M.

Radiology:

Batley, F.
Freimanis, A. K.
Howard, W. H. R.
Molnar, W.
Myers, W. G.

Surgery:

Berggren, R. B.
Bingham, W. G.
Boles, E. T., Jr.
Cerilli, E. J.
Clatworthy, H. Wm., Jr.
Curtiss, P. H., Jr.
Evans, W. E.
Hohn, R. B.
Hunt, W. E.
Keith, L. M.
Killman, J. W.
Klassen, K. P.
Pace, W. G., III
Thomford, N. R.
Vasko, J. S.
Winter, C. C.
Yashon, D.

College of Optometry:

Blackwell, H. R.
Fry, G. A.
Hebbard, F. W.
Hill, R. M.
Smith, S.

College of Veterinary Medicine:

Veterinary Anatomy:

DeWet, P. D.
Diesem, C. D.
Venzke, W. G.

Veterinary Clinical Sciences:

Andreas, J. E.
Burt, J. K.
Dennis, R. A.
Donham, J. C.
Donovan, E. F.
Gabel, A. A.
Gardner, H. M.
Hohn, R. B.
Johnson, L. E.
Murdick, P. W.
Ray, R. S.
Rudy, R. L., Sr.
Tharp, V. L.
Wearly, W. K.
Whiteus, R. G.
Wilson, G. P., III
Wyman, M.

Veterinary Pathobiology:

Capen, C. C.
Koestner, A.
Liss, L.
Marsh, G. A.
Yohn, D. S.

Veterinary Physiology and Pharmacology:

Hamlin, R. L.
Nerem, R. M.
Powers, T. E.
Smith, C. R.
Yeary, R. A.

Veterinary Preventive Medicine:

Bohl, E. H.
Ferguson, L. C.
Heider, L. E.
Jones, D. O.

Office of Educational Services:

Military Science:
Plant, R. A.

Air Force Studies:
Steen, F.

Naval Science:
Semple, W. C.

Attached School:

Agricultural Technical Institute: Wooster; f. 1972; 600 students.

OHIO UNIVERSITY

ATHENS, OHIO 45701
Telephone: 594-5511.

Founded 1804; the first land-grant college in the U.S.

President: Charles J. Ping.
Provost: Neil S. Bucklew, Ph.D.
Director of Admissions: James C. Walters, Ed.D.
Librarian: Hwa-wei Lee, Ph.D.

The library contains 920,625 vols.
Number of teachers: 792.
Number of students: 12,975.

Publications: *Ohio Review*†, *Milton Quarterly.*

Deans:

Engineering and Technology: R. S. Mayer, Ph.D.
Arts and Sciences: William Dorrill, Ph.D.
Business Administration: Gerald Silver, Ed.D.
Education: Fred B. Dressel, Jr., Ed.D. (acting).
Fine Arts: H. H. Lin, M.F.A.
University College: D. M. Flournoy, Ph.D.
Graduate College: N. S. Cohn, Ph.D.
Communication: John Wilhelm, B.A.
Osteopathic Medicine: Frank W. Myers, D.O.

OHIO WESLEYAN UNIVERSITY

DELAWARE, OHIO 43015
Telephone: Delaware 369-4431.

Founded by Methodist Episcopal Church 1841; Chartered 1842.

President: Thomas E. Wenzlau.
Treasurer: Albert C. Weidenbusch.
Provost: Kenneth P. Goodrich.
Vice-President (Business Affairs): R. W. Meyer.
Vice-President (University Relations): R. A. Jones.
Dean of Academic Affairs: William C. Louthan (acting).
Dean of Educational Services: Dr. Stephen Scholl.
Registrar: M. J. Roach.
Librarian: B. Lewis.

Number of teachers: 159.
Number of students: 2,241.

Publications: *OWU Bulletin* (yearly), *Focus* (5 a year), *Alumni Magazine* (quarterly).

OTTERBEIN COLLEGE

WESTERVILLE, OHIO 43081
Telephone: (614) 890-3000.
Founded 1847.

Private control; Academic year: September to August.

President: Thomas J. Kerr IV.
Registrar: Peter B. Baker, Jr.
Dean of Admissions and Financial Aid: Morris Briggs.
Academic Dean: Donald Bulthaup.
Librarian: J. Becker.

The library contains 129,000 vols.
Number of teachers: 83.
Number of students: 1,400.

Publications: *Otterbein Miscellany, Quiz and Quill.*

UNIVERSITY OF AKRON

302 E. BUCHTEL AVENUE,
AKRON, OHIO 44325
Telephone: (216) 375-7111.

Founded 1870 by Ohio Universalist Convention; became Municipal University of Akron 1913; present title 1926; became State University 1967.

President: D. J. Guzzetta, Ed.M., Ed.D., LL.D., D.S.Sc., L.H.D.
Vice-President and Provost: Noel L. Leathers, Ph.D.
Vice-President for Business and Finance: R. W. Duff, LL.B.
Vice-President for Planning: I. R. MacGregor, Ph.D.
Vice-President and Dean of Student Services: Richard L. Hansford, M.A.Ed.
Director of Academic Services and Personnel: Charles F. Poston, Ph.D.
Registrar: H. Baldwin, M.Ed.
Librarian: H. P. Schrank, Jr., M.S.

The library contains 948,594 vols.
Number of teachers: 1,045.
Number of students: 23,121.

Publications: *Bulletin* (annual), *From the Hilltop* (monthly).

Deans:

Graduate Studies and Research: Alan N. Gent, Ph.D.
Buchtel College of Arts and Sciences: C. E. Griffin, Ph.D.
College of Education: H. K. Barker, Ph.D.
College of Engineering: C. Major, Ph.D.
College of Business Administration: J. W. Dunlap, Ph.D.
College of Fine and Applied Arts: Gerard L. Kneiter, Ed.D.
School of Law: S. A. Samad, J.S.D.
College of Nursing: L. DeYoung, Ph.D.
General College: Marion A. Ruebel.
Community and Technical College: Robert Weyrick, M.S.
Evening College and Summer Sessions: Caesar Carrino, Ph.D.

Executive Dean of Continuing Education and Public Services: W. A. Rogers, Ed.D.
Wayne General and Technical College: John G. Hedrick, M.A.

UNIVERSITY OF CINCINNATI

CINCINNATI, OHIO 45221
Telephone: 475-8000.

Chartered as Cincinnati College 1819; as University of Cincinnati and as a municipal institution 1870; became a municipally-sponsored state-affiliated institution in 1968; joined Ohio State University system 1977.

President: Henry R. Winkler, Ph.D., Litt.D.
Senior Vice-President for Administration and Secretary to the Board of Trustees: Lawrence C. Hawkins, Ed.D.
Senior Vice-President and Director of Medical Center: Stanley B. Troup, M.D.
Senior Vice-President and Provost: John P. McCall, Ph.D.
Vice-President for Finance and Treasurer: Sigmund G. Ginsburg, M.P.A.
Vice-President for Business Affairs: Myron E. Ullman III, B.S.I.M.
University Registrar: Lynn M. Barber, M.B.A.
Director of Admissions: Robert W. Neel, M.A.
Director of Libraries: Hal B. Schell, B.A., M.S.L.S.

Library: *see* Libraries.

Number of teachers: 1,760 full-time, 783 part-time.

Number of students: graduate 5,271, undergraduate 32,459.

Publications: *Horizon* (7 a year), *U.C. This Week* (weekly during term), *News Record* (2 a week during term), *College Bulletins* (annually).

Deans:

Division of Graduate Education and Research: Albert C. Yates, Ph.D.
McMicken College of Arts and Sciences: H. David Lipsich, Ph.D.
College of Engineering: Kirk C. Valanis, Ph.D.
College of Education and Home Economics: Hendrik D. Gideonse, Ed.D.
College of Business Administration: Albert J. Simone, Ph.D.
College of Medicine: Robert S. Daniels, B.S., M.D.
College of Law: Samuel S. Wilson, B.A., J.D.
College of Nursing and Health: Jeannette R. Spero, M.P.H., Ph.D.
College of Design, Architecture and Art: Bertram Berenson, Ph.D.
College of Pharmacy: Arthur C Glasser, Ph.D.
College-Conservatory of Music: Allen Sapp.
University College: Ronald Temple, M.A.

College of Community Services: CAROL J. HARTEN, B.A., M.C.P. (acting).
Evening College: GAIL A. NELCAMP, PH.D.
Raymond Walters General and Technical College: ERNEST G. MUNTZ, PH.D.
Ohio College of Applied Science: J. C. SPILLE, ED.M.
Clermont General and Technical College: EDITH PETERS JONES, M.A., ED.M.

PROFESSORS:

College of Arts and Sciences:
ABBOUSHI, W. F., PH.D., Political Science
AESCHBACHER, W. D., PH.D., Political Science
AGNELLO, J. G., PH.D., Speech Pathology
ALLINSMITH, W., PH.D., Psychology
ARNER, R., PH.D., English
BANTA, T. J., PH.D., Psychology
BEAVER, D. R., PH.D., History
BENISON, S., PH.D., History
BLEZNICK, D. W., PH.D., Romance Languages and Literatures
BOULTER, C. G., PH.D., Classics
CARLSON, G. G., PH.D., Anthropology
CARROLL, R. L., PH.D., Sociology
CASKEY, J. L., PH.D., Classical Archaeology
DAY, R. A., PH.D., Chemistry
DEPRIT, A., D.SC., Astronomy
DURRELL, R., B.S., Geology
DUX, D., PH.D., Political Science
ENGBERG, G. B., PH.D., History
ETGES, F. J., PH.D., Zoology
FRANKE, E. K., DR.ING., Biophysics
FRASER, A. S., PH.D., Biological Sciences
FRIEDRICHMEYER, E., PH.D., Germanic Languages and Literatures
GLENN, J. H., Germanic Languages
GODSHALK, W. L., PH.D., English
GOODMAN, B., PH.D., Physics
GOTTSCHANG, J. L., PH.D., Zoology
GÜNTHER, M., PH.D., Physics
HALPERN, H. P., PH.D., Mathematics
HERMAN, E. E., PH.D., Economics
HUVOS, K. L., PH.D., Romance Languages
JOINER, W. C. H., PH.D., Physics
JONES, D. R., PH.D., Physics
KAFKER, F. A., PH.D., History
KAPLAN, F., PH.D., Chemistry
KIM, H.-K., PH.D., Political Science
KUHN, A., PH.D., Economics
LANSKY, L. M., PH.D., Psychology
LARSEN, L. H., PH.D., Geology
LAUX, J. M., PH.D., History
LAZER, A. C., PH.D., Mathematics
LIPSICH, H. D., PH.D., Mathematics
MARK, H. B., Jr., PH.D., Chemistry
MCCARTHY, J. T., PH.D., Physics
MCDANIEL, D. H., PH.D., Chemistry
MCDONALD, C. O., PH.D., English
MELTON, R. S., PH.D., Psychology
MEYER, K. R., PH.D., Mathematics
MILLER, W. C., PH.D., English
NUSSBAUM, M. M., PH.D., Physics
O'CONNOR, PATRICIA W., PH.D. Romance Languages and Literatures
PAULS, J. P., PH.D., Russian Languages and Literature
PORTE, M., PH.D., Speech
POTTER, P. E., PH.D., Geology
POWER, P. F., PH.D., Political Science
PRYOR, W. A., PH.D., Geology
ROBINSON, J. K., PH.D., English
SCHUMSKY, D. A., PH.D., Psychology
SCHWARTZ, M., PH.D., Psychology
SEEMAN, W., PH.D., Psychology
SENTER, R. J., PH.D., Psychology
SHEPHERD, C. R., PH.D., Sociology
SIMONS, L., PH.D., Philosophy
SLESSAREV, H., PH.D., German
SMITH, P. M., ED.D., Afro-American Studies and Psychology
SMITH, W. D., PH.D., Afro-American Studies and Psychology
STUBBINS, W. F., PH.D., Physics
SUAGEE, F. F., PH.D., Economics
TODD, W., PH.D., Philosophy
TUAN, T.-F., PH.D., Physics
VALENTINE, L. M., PH.D., Economics
WAGNER, F. J., PH.D., Mathematics
WESSEL, R. H., PH.D., Economics
WIEBE, D., PH.D., English
WINGET, J. A., PH.D., Sociology
WITTEN, L., PH.D., Physics
WINTER, J. F., PH.D., Romance Languages and Literature
WORKMAN, R., PH.D., Philosophy
WRIGHT, W., PH.D., Physics
ZIMMER, H., PH.D., Chemistry

College of Engineering:
ADAMS, C. M., SC.D., P.E., Engineering
ANTOLOVICH, S. D., PH.D., Materials Science
ARMSTRONG, N. A., D.ENG., SC.D., Aerospace Engineering
BERESKIN, A. B., E.E., M.S. IN ENG., P.E., Electrical Engineering
BROWN, M. L., PH.D., Mechanical Engineering
COOK, J. P., M.C.E., D.ENG.SC., Engineering Construction
DAVIES, R. T., PH.D., P.E., Aerospace Engineering
DELCAMP, R. M., PH.D., Chemical Engineering
DESCHAINES, C. E., M.S., Air Science
ELNAN, O., PH.D., Aerospace Engineering
ENGELMAN, R. H., M.S., P.E., Electrical Engineering
ENGLISH, M., M.S., Mechanical Engineering
EVERT, C., PH.D., P.E., Electrical Engineering
EYE, D., B.S. IN C.E., SC.D., Environmental Engineering
FERGUSON, H., PH.D., Engineering Science
FOPMA, R. J., B.A., Operations Research
GREENBERG, D. B., PH.D., P.E., Chemical Engineering
HENDERSON, H. T., PH.D., Electrical Engineering
HERSHEY, D., PH.D., Chemical Engineering
HÖCH, M., SC.D., Material Science
HOWE, R., C.E., PH.D., P.E., Civil Engineering
HULLEY, C. M., M.E., Engineering and Computer Graphic Science
HUSTON, R. L., PH.D., Engineering Analysis
KINMAN, R. N., PH.D., P.E., Civil Engineering
KROLL, R. J., PH.D., Aerospace Engineering
LAUSHEY, L. McN., SC.D., P.E., Civil Engineering
LEMLICH, R., PH.D., P.E., Chemical Engineering
LICHT, W., PH.D., Chemical Engineering
MIDDENDORF, W., B.E.E., PH.D., P.E., Electrical Engineering
MORAND, J. M., PH.D., P.E., Civil Engineering
MORSE, I. E., Jr., PH.D., Mechanical Engineering
MOTEFF, J., PH.D., Materials Science
OSTERBROCK, C. H., PH.D., Electrical Engineering
PATTISON, J. N., PH.D., Environmental Engineering
POOL, M. J., PH.D., Metallurgical Engineering
PREUL, H. C., PH.D., P.E., Civil and Environmental Engineering
RAIBLE, PH.D., P.E., Electrical Engineering
RESTEMEYER, W., E.E., A.M., P.E., Applied Mathematics
RINGO, B., B.S. IN ARCH. ENG., M.S. IN C.E., PH.D., P.E., Civil Engineering
SARVER, J. H., M.E., Engineering Graphics
SCARPINO, P. V., PH.D., Environmental Engineering
SCHLEEF, D. J., PH.D., Mechanical Engineering
SHELL, R. L., PH.D., Industrial Engineering
SHENG, J., PH.D., Aerospace Engineering
SHUPE, D. S., SC.D., Mechanical Engineering
TABAKOFF, W., DIPL. ING. IN M.E. AND A.E., PH.D., Aerospace Engineering
THORPE, J. R., PH.D., P.E., Mechanical Engineering
TSE, F. S., M.S. IN M.E., M.B.A., PH.D., Mechanical Engineering
TSUEI, Y. G., PH.D., Mechanical Engineering
WANDMACHER, C., D.ENG., Engineering Education
WANG, I.-C., PH.D., Mechanical Engineering
WEISMAN, J., PH.D., Nuclear Engineering
WESTERMANN, F. E., PH.D., P.E., Metallurgical Engineering
ZERKLE, R. D., PH.D., Mechanical Engineering

College of Education and Home Economics:
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GIDEONSE, H. D., PH.D., Education and Policy Science
HELMS, W., PH.D., Health, Physical Education and Recreation
HINTON, M.,ED.D., Education
JONES, W., ED.D., Education
MANNEY, AGNES, PH.D., Education
NESTER, W., ED.D., Education
PHILLIPS, J., PH.D., Education
PRICE, R. D., PH.D., Education
SCHNITZER, W. J., ED.D., Health Physical Education and Recreation
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ZEMANEK, D., ED.D., Education

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Yousri, A., ph.d., Insurance

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Benzing, G., III, m.d., Paediatrics
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Berry, H. K., m.a., Research Paediatrics
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Blackwell, B., Psychiatry
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Bonventre, P. F., ph.d., Microbiology
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Bubel, H. D., ph.d., Microbiology
Buncher, C. R., Environmental Health
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Murphy, J. J., j.d., ll.m., Law
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Schwartz, V. E., b.a., ll.b., Law
Squillante, A. M., a.b., m.s.l.s., ll.m., Law
Wilson, S., j.d., Law

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College of Design, Architecture and Art:

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Chatterjee, J., m.r.p., m.arch., Urban Planning and Design
Deshon, R. A., m.arch., Architecture
Foster, P., Fine Arts
Heck, B. J., b.s.ed., Fashion Design
Hoerman, E. R., m.arch., Urban Planning and Design
Knipschild, R., b.a., m.f.a., Fine Arts
Merkel, K., b.s.arch., Architecture
Meunier, J. C., m.arch., m.a., Architecture
Mras, G. P., ph.d., Art History
Noe, S. V., Jr., m.arch., Urban Planning and Design
Peterson, J. M., m.arch., Architecture
Quayle, E. J., b.f.a., Fine Arts
Rice, H. R., b.s. in a.a., ed.d., l.h.d., Graphic Design
Rockwood, L. G., m.a., Film
Rudd, J. W., m.a., Architecture
Salchow, G. R., m.f.a., Fine Arts
Stevens, R. H., m.a., Architecture
Stricevic, G., ph.d., Art History
Wessel, Helen M., ed.d., Art Education
Wheeler, R. H., b.a., b.arch., Architecture
Wolfley, E. L., Jr., m.f.a., Fine Arts
Wygant, F. L., m.a., ed.d., Art Education

College of Pharmacy:

Lichtin, J. L., ph.d, Pharmacy
Ogzewalla, C. W., ph.d., Pharmacognosy
Ritschel, W. A., m.pharm., d.univ., d.phil., Biopharmaceutics

College-Conservatory of Music:

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Anderson, S. V., ph.d., Music Education
Bar-Illan, D., Piano
Bass, J. Q., b.mus., Piano

Benner, C. H., ph.d., Music Education
Bonelli, E., ph.d., Music
Delay, D., b.a., Violin
Dinerstein, N., ph.d., Composition and Theory
Dudley, R., a.r.c.t., l.r.c.t., r.c.a.d., Piano
Evans, R. K., ph.d., Music
Gary, R., d.m.a., Organ
George, W. E., d.m.e., Music Education
Hashimoto, E., m.mus., m.a., Harpsichord
Hornyak, R. R., d.m.ed., Music Education
Huston, S., ph.d., Composition
Kamnitzer, P., Viola
Kirstein, J., m.a., Violoncello
Laird, H., m.a., Voice
Levin, W., Violin
McLain, D., b.s.ed., m.a., Dance
Meyer, H. W., Violin
Morris, R., m.m., Piano
Page, C. L., ph.d., Music Education
Palombo, P. M., ph.d., Composition and Theory
Riley, J., ph.d., Musicology
Tajo, I., Voice and Opera
Thomas, E. R., d.m.a., Choral Music
White, A. B., m.mus., Music and Voice

College of Community Services:
DeGroot, I., b.a., m.p.h., Community Health
Hawkins, L. C., ed.d., Education and Community Services
Mills, R. B., ph.d., Psychology
Myers, J. S., ph.d., Psychology
Strauss, M. D., m.p.h., m.c.p., Community Health

Raymond Walters General and Technical College:
Leake, J. A., ph.d., History
Mattingly, S. F., d.v.m., Laboratory Animal Medicine
Montera, A. P., ed.d., Biology

University College:
Bettman, E., m.a., English
McGinnis, J. W., m.a., English
Osborne, H., m.a., English
Samuels, J. J., m.a., General Studies
Sutton, P. W., Jr., ph.d., Philosophy
Voris, C. A., ph.d., Management

UNIVERSITY OF DAYTON

DAYTON, OHIO 45469
Telephone: (513) 229-0123.

Founded 1850.

President: Rev. Raymond A. Roesch, s.m.
Vice-President for Academic Affairs: Rev. Joseph W. Stander, s.m.
Registrar: Paul B. Boeckerman, s.m.
Vice-President for Financial Affairs: Gerald W. Vonder-Brink.
Vice-President for Student Development: Miss M. M. Holland.
Vice-President for University Relations: Thomas J. Frericks.
Librarian: Raymond H. Nartker.

The library contains 510,000 vols.

Number of teachers: 501.
Number of students: 9,611.

Publications: *University of Dayton Review*† (quarterly), *Alumnus-Focus*† (quarterly).

Deans:

Students: Rev. Francis J. Kenney, s.m. (Assoc. Dean).
Arts and Science: Bro. Leonard A. Mann, s.m.
Graduate Studies and Research: Dr. George B. Noland.
School of Engineering: Dr. Russell A. Primrose.
School of Business: William J. Hoben.
School of Education: Dr. Ellis A. Joseph.
School of Law: Richard L. Braun.

Directors:

Summer Session: Paul B. Boeckerman, s.m.
Special Sessions: Nora Duffy.
Research Institute: John R. Westerheide.

UNIVERSITY OF TOLEDO

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Telephone: (419) 537-4242.

Founded 1872 as Toledo University of Arts and Trades; became Municipal University 1884, State University 1967.

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Vice-President for Academic Affairs: William H. Leckie, ph.d.
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Director of Student Records: Dean Berkey, b.s.
Director of Libraries: Leslie W. Sheridan, m.l.s.

The library contains over 1,000,000 vols.

Number of teachers: 565 full-time, 97 part-time.

Number of students: 17,498.

Publications: *The Alumnus* (6 a year), *The Collegian*, and various departmental newsletters and journals.

Deans:

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College of Business Administration: L. V. Conway, ph.d.
College of Education: G. E. Dickson, ed.d.
College of Engineering: J. B. Farison, ph.d.
College of Law: F. X. Beytagh, j.d.
College of Pharmacy: N. F. Billups, ph.d.
University College: M. A. Heinrichs, ph.d.
Graduate School: H. Allen, ph.d. (acting).
University Community and Technical College: F. A. Thomas, Jr., ph.d.
Continuing Education: T. C. Clapp, ph.d.

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Witt, A. N., ph.d.

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Lee, H. H., ph.d.
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Smith, C. J., ph.d.

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Brady, L., ph.d.
Chrysochoos, J., ph.d.
Diehn, B., ph.d.
Edwards, J. G., ph.d.
Foster, A. F., ph.d.
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Stoops, C. E., ph.d.
Zmeskel, O., sc.d.

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Morano, A., ll.b.
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Willging, T., ll.m.

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Henry, R., ph.d.
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2550 LANDER RD.,
CLEVELAND, OHIO 44124
Telephone: 449-4200.
Founded 1871.

President: Sister M. Kenan, o.s.u.
Director of Admissions: August Napoli.
Vice-President for Academic Affairs: Rev. Thomas E. Chambers, c.s.c.
Vice-President for Student Affairs: Sr. M. James Francis, o.s.u.
Vice-President for Financial Affairs: Sam Chieffalo.
Registrar: Sr. M. Genevieve, o.s.u.
Librarian: Sister Mary Howard, o.s.u.

The library contains 65,200 vols.
Number of teachers: 93.
Number of students: 832.

WILBERFORCE UNIVERSITY

WILBERFORCE, OHIO 45384
Telephone: 376-2911.
Founded 1856.

President: Charles E. Taylor.
Academic Dean: Yvonne W. Taylor.
Registrar: David Prather.
Director, Learning Resources Center: F. E. Moorer.

The library contains 40,000 volumes.
Number of teachers: 51.
Number of students: 1,328.

WILMINGTON COLLEGE

WILMINGTON, OHIO 45177
Telephone: (513) 382-6661.
Founded 1870.
Private control.

President: Robert E. Lucas.
Vice-President: W. Brooke Morgan.
Assistant to the President: Campbell Graf.
Dean of the College: Arthur L. Buell.
Director of Finance: F. B. Thomas III.

Dean of Student Services: Kenneth W. Scherer.
Director of Admissions: Leslie S. Clark.
Director of Academic Records: Sue Brown.
Librarian: Larry A. Kroah.

The library contains 105,258 vols.

Number of teachers: 55 full-time, 21 part-time.

Number of students: 647.

Publication: *The Link.*

WITTENBERG UNIVERSITY

NORTH WITTENBERG AVENUE,
SPRINGFIELD, OHIO 45501
Telephone: (513) 327-6231.

Founded 1845.

Private control. Academic year: September to June.

President: W. A. Kinnison, ph.d.
Provost: William M. Wiebenga, ph.d.
Director of Research and Planning: Byron W. Thorsen, ph.d.
Director of Business Affairs: T. D. McSkimming, b.b.a.
Registrar: F. E. Roller, a.b.
Librarian: B. L. Mowery, m.a.

The library contains 300,000 vols.

Number of teachers: 140 full-time, 116 part-time.

Number of students: 2,300.

Publications: *The Wittenberg Bulletin, Wittenberg Today.*

Deans:

College of Arts: Richard T. Ortquist, ph.d. (Associate Provost).
Students: E. D. Heusinkveld, ph.d.
Admissions: P. Manuel, ed.d.
School of Music: F. F. Jackisch, ph.d. (acting).
School of Community Education: A. E. Patmos, m.a.

XAVIER UNIVERSITY

VICTORY PARKWAY,
CINCINNATI, OHIO 45207
Telephone: (513) 745-3000.

Founded 1831.

President: Robert W. Mulligan, s.j.
Vice-President, Student Affairs: R. C. Shearer.
Vice-President for Academic Affairs: Rev. F. C. Brennan, s.j.
Vice-President, Business and Finance: I. F. Beumer.
Vice-President, Development and Public Relations: J. W. Sassen.
Vice-President, Special Projects: E. J. O'Brien, s.j.
Dean of Admissions: R. A. Durand.
Comptroller: Paul L. Burkhart.
Registrar: Rev. Orrin T. Wheeler, s.j.
Librarian: John Vigle.

The library contains 180,000 vols.

Number of teachers: 185.

Number of students: 6,336.

Publications: *Xavier University News, Xavier Athenaeum* (quarterly), *The Alumni Newsletter, The Athletic Review, The Xavier Communiqué.*

Deans:

College of Arts and Sciences: Rev. Joseph Angelelli, s.j.
College of Continuing Education: Dr. R. H. Helmes.
Graduate School: Dr. D. C. Flaspohler.
School of Business Administration: Dr. T. H. Hailstones.

YOUNGSTOWN STATE UNIVERSITY

410 WICK AVENUE,
YOUNGSTOWN, OHIO 44555
Telephone: 742-3000.

Founded 1908.

State control; academic year: October to September (four terms).

President: Dr. John J. Coffelt.
Vice-President for Academic Affairs: Dr. E. E. Edgar.
Dean of Administrative Affairs: Edmund J. Salata.
Vice-President for Financial Affairs: Dr. Neil D. Humphrey.
Dean of Admissions and Records: Dr. James A. Scriven.
Librarian: Richard J. Owen.

The library contains 335,942 vols.

Number of teachers: 600.

Number of students: 15,700.

Deans:

College of Arts and Sciences: Dr. B. J. Yozwiak.
School of Business Administration: R. L. Miller.
School of Education: Dr. Arnold J. Moore.
William Rayen School of Engineering: George E. Sutton.
College of Fine and Performing Arts: Dr. William R. McGraw.
College of Applied Science and Technology: Dr. N. Paraska.
Graduate School: Dr. Leon Rand.

OKLAHOMA

BETHANY NAZARENE COLLEGE

6729 N.W. 39TH EXPRESSWAY,
BETHANY, OKLAHOMA 73008
Telephone: (405) 789-6400.

Founded 1899.

Church control; Academic year: August to June (two summer sessions and two terms).

President: Dr. John A. Knight.
Academic Dean: Dr. Robert Griffin.
Registrar: Dr. Vernon Snowbarger.
Librarian: Mrs. Eleanor Westmoreland.

Number of teachers: 70.

Number of students: 1,300.

Publication: *The Perspective.*

CENTRAL STATE UNIVERSITY

EDMOND, OKLAHOMA 73034

Founded 1890.

President: Bill J. Lillard.
Vice-President for Academic Affairs: Norman Russell.
Vice-President for Administration: A. Alcorn.
Vice-President for Student Services: (vacant).
Director of Public Relations: Joe Park.
Director of Library Services: Ada Ingram (acting).

Number of teachers: 415.

Number of students: 12,763.

Publications: *Alumni Newsletter,* (quarterly), *Central-ly Yours* (monthly), *Vista Newspaper* (twice weekly), *Bronze Catalog* (every two years).

Deans:

Graduate School: B. Fisher.
School of Business: J. Perry.
School of Education: D. Mullins.
School of Liberal Arts: F. Finney.
School of Mathematics and Science: David M. Hart.
School of Special Arts and Sciences: Dr. Lucille Patton.

EAST CENTRAL OKLAHOMA STATE UNIVERSITY

ADA, OKLAHOMA 74820
Telephone: 332-8000.

Founded 1909.

President: S. P. Wagner.
Registrar: Merle Boatwright.
Librarian: John Walker.

The library contains 114,000 vols.

Number of teachers: 132.

Number of students: 3,400.

LANGSTON UNIVERSITY

LANGSTON, OKLAHOMA 73050

President: Samuel J. Tucker, ph.d.
Vice-President for Academic Affairs: Reuben Manning, ed.d.
Vice-President for Student Affairs: Charles Bell, ed.d.
Vice-President for Administration and Fiscal Affairs: Koduru Rao, m.b.a.
Director of Development and University Relations: J. A. Simpson, m.s.

Directors and Chairmen:

Division of Arts and Sciences: William Franks, ph.d.
Department of Art: Wallace Owens, m.f.a.
Department of Biology: Sarah Thomas, ph.d.
Department of English and Foreign Languages: E. E. Welch, ed.d.
Department of Mathematics: Maurice Love, ed.d.
Department of Music: Lemuel Berry, ph.d.
Department of Social Science: Ada Lois Fisher, j.d.

Department of Physical Science: W. Franks, ph.d.
Division of Business Administration and Management: A. C. Parker, m.s.
Division of Education: W. A. Simpson, ed.d.
Department of Elementary Education: Alta Watson, ph.d.
Department of Health, Physical Education and Recreation: Herese Carter, m.t.
Division of Applied Sciences: R. C. Johnson, ed.d.
Department of Agriculture: R. E. Kinnard, m.s.
Department of Home Economics: Willa Combs, ed.d.
Department of Technology: R. C. Johnson, ed.d.

NORTHEASTERN OKLAHOMA STATE UNIVERSITY

TAHLEQUAH, OKLAHOMA 74464
Telephone: (918) 456-4551.
Founded 1846.

President: Dr. W. Roger Webb.
Vice-President: Dr. Elwin Fite.
Registrar: James A. Watkins.
Librarian: (vacant).

The library contains 175,000 vols.
Number of teachers: 262.
Number of students: 6,000.

NORTHWESTERN OKLAHOMA STATE UNIVERSITY

ALVA, OKLAHOMA 73717
Telephone: (405) 327-1700.
Founded 1897.

President: Dr. Joe J. Struckle.
Registrar: Mrs. Doris Blue.
Librarian: Ray D. Lau.

The library contains 302,559 vols. (including microforms).
Number of teachers: 71.
Number of students: 1,875.

OKLAHOMA BAPTIST UNIVERSITY

SHAWNEE, OKLAHOMA 74801
Telephone: (405) 275-2850.
Founded 1910.

President: Dr. E. Eugene Hall.
Executive Vice-President: Dr. Paul R. Corts.
Provost: Dr. W. E. Neptune.
Vice-President for Student Development: Donald G. Osborn.
Vice-President for Business Affairs and Treasurer: J. Thomas Terry.
Registrar: Mrs. Peggy Askins.
Librarian: Dr. Stanley Benson.

The library contains 130,000 vols.
Number of teachers: 130.
Number of students: 1,549.

Deans:

Arts and Sciences: Dr. W. R. Mitchell.
Fine Arts: James D. Woodward.

OKLAHOMA CITY UNIVERSITY

2501 NORTH BLACKWELDER,
OKLAHOMA CITY,
OKLAHOMA 73106
Telephone: 521-5000.
Founded 1904.

President: Dolphus Whitten, Jr.
Vice-President for Academic Affairs: R. L. Jones.
Registrar and Director of Admissions: C. M. McCoy.
Librarian: Marion MacInnis.

The library contains 196,336 vols.
Number of teachers: 200.
Number of students: 2,778.

OKLAHOMA PANHANDLE STATE COLLEGE

GOODWELL, OKLAHOMA 73939
Telephone: (405) 349-2611.
Founded 1909.

President: Thomas L. Palmer.
Registrar: Jack V. Begley.
Dean of Instruction: R. H. Bowers.
Business Manager: Irvin Hopson.
Librarian: Edward Bryan.

The library contains 80,000 vols.
Number of teachers: 63.
Number of students: 1,155.

OKLAHOMA STATE UNIVERSITY

STILLWATER,
OKLAHOMA 74074
Telephone: 624-6384.
Founded 1890.

President: L. L. Boger, ph.d.
Vice-President for Academic Affairs (Instruction and Research): Dr. J. H. Boggs, ph.d.
Vice-President for Business and Finance: Dr. E. E. Davidson, ph.d.
Vice-President for University Relations, Development, and Extension: Dr. R. W. Poole, ph.d.
Vice-President for Student Services: N. Moore, m.a.
Business Officer: E. E. Davidson, ph.d.
Registrar: R. Girod, m.s.
Librarian: R. Rouse, ph.d.

Number of teachers: 1,488, including 283 full professors.

Number of students: 21,904.

Deans:

Dean of Students: R. Schmalfeld.
College of Education: D. W. Robinson, ph.d.
College of Agriculture: Dr. F. Baker, ph.d.
Graduate School: Dr. N. Durham, ph.d.
College of Veterinary Medicine: P. M. Morgan, d.v.m., ph.d.
Division of Home Economics: Dr. Beverly Crabtree, ph.d.
College of Arts and Sciences: G. Gries, ph.d.
College of Engineering: K. A. McCollom, ph.d.
College of Business Administration: R. L. Sandmeyer, ph.d.
University Research Administrator: J. H. Boggs.

ORAL ROBERTS UNIVERSITY

7777 SOUTH LEWIS,
TULSA, OKLAHOMA 74171
Telephone: (918) 492-6161.
Founded 1965.

President: Dr. Oral Roberts.
Provost: Dr. Carl H. Hamilton.
Vice-President for Learning Resources and Instruction: Dr. William Jernigan.

The library contains 425,000 items.
Number of teachers: 350.
Number of students: 3,000.

Deans:

School of Arts and Sciences: Dr. Robert Voight.
School of Business: Dr. Henry Migliore.
School of Dentistry: Dr. Robert Hansen.
School of Law: Charles Kothe.
School of Medicine: Dr. James E. Winslow, Jr.
School of Nursing: Dr. Tomine Tjelta.
School of Theology: Dr. James Buskirk.

PHILLIPS UNIVERSITY

ENID, OKLAHOMA 73701
Telephone: 237-4433.

President: Samuel E. Curl.
Registrar: Noel T. Smith.
Librarian: John L. Sayre.

Number of teachers: 85.
Number of students: 1,379.

Publications: *Haymaker* and *The Magazine of Phillips.*

SOUTHEASTERN OKLAHOMA STATE UNIVERSITY

DURANT, OKLAHOMA 74701
Founded 1909, refounded under present name 1974.
Academic year: September to May (and summer session).

President: Leon Hibbs.

The library contains 140,000 vols.
Number of students: 4,700.

SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

WEATHERFORD,
OKLAHOMA 73096
Telephone: 772-6611.
Founded 1901.

President: L. G. Campbell.

Registrar: W. W. WILMETH.
Librarian: Mrs. SHEILA HOKE.

The library contains 183,922 vols.
Number of teachers: 201.
Number of students: 4,800.

UNIVERSITY OF OKLAHOMA

660 PARRINGTON OVAL,
NORMAN, OKLAHOMA 73019
Telephone: (405) 325-0311.

Founded 1890; opened 1892. Campuses at Norman, Oklahoma City and Tulsa.

State control; Academic year: August to May (summer session June and July).

President: PAUL F. SHARP, PH.D., LL.D., LITT.D., L.H.D.
Vice-President for the University Community: JOHN R. MORRIS, PH.D.
Vice-President for Administration and Finance: STEPHEN H. VAN HAUEN, Jr., PH.D. (acting).
Vice-President for Continuing Education and Public Service: THURMAN J. WHITE, PH.D.
Vice-President for University Relations and Development: DAVID A. BURR, B.A.
Executive Assistant to the President: JOSEPH C. RAY, M.C.P.
University Secretary: BARBARA H. JAMES.

Number of teachers: 1,335.
Number of students: 25,329.

Publications: *University of Oklahoma Bulletins* (2 a month), *World Literature Today* (quarterly), *Oklahoma Law Review* (quarterly), *Oklahoma Business Bulletin* (monthly), *American Indian Law Review* (2 a year), *Genre* (quarterly), *Papers on Anthropology* (2 a year), *Comparative Frontiers Studies: An Interdisciplinary Newsletter* (4 a year).

Norman Campus

Provost: BARBARA S. UEHLING, PH.D.
Registrar: MILFORD D. MESSER, PH.D.
Librarian: JAMES K. ZINK, PH.D.

Number of teachers: 756.
Number of students: 20,010.

DEANS:

College of Arts and Sciences: PAIGE E. MULHOLLAN, PH.D.
College of Business Administration: LAWRENCE E. MCKIBBIN, PH.D.
College of Education: RICHARD WISNIEWSKI, ED.D.
College of Engineering: WILLIAM R. UPTHEGROVE, PH.D.
College of Environmental Design: MURLIN R. HODGELL, PH.D.
College of Fine Arts: NATHANIEL S. EEK, PH.D.
Graduate College: GORDON ATKINSON, PH.D.
College of Law: JAMES E. WESTBROOK, J.D.
College of Liberal Studies: WILLIAM H. MAEHL, Jr., PH.D.
University College: JEROME C. WEBER, PH.D.

PROFESSORS:

College of Arts and Sciences:

Anthropology:
BELL, R. E.
BITTLE, W. E.

Botany and Microbiology:
BEEVERS, L.
BOKE, N. H.
CLARK, J. B.
LARSH, H. W.
RICE, E. L.

Chemistry:
ATKINSON, G.
BURR, J. G.
CHRISTIAN, S. D.
CIERESZKO, L. S.
DRYHURST, G.
FOGEL, N.
FUNG, B. M.
KRAYNAK, M. E.
MARCHAND, A. P.
MURPHY, G. W.
SCHMITZ, F. J.
SMITH, E. C.
VAN DER HELM, D.
WENDER, S. H.
ZUCKERMAN, J. J.

Classics:
NOLAN, P. J.

Communication:
BROOKS, W. D.
CARMACK, W. R., Jr.
NUTTALL, E. C.
WISPE, L. G.

English:
BAMBAS, R. C.
DAVIS, R. M.
ELCONIN, V. A.
FRENCH, D. P.
FRITZ, A. J.
GRANGER, B. I.
KENDALL, J. L.
MALE, R. R.
McCARTER, P. K.
RUGGIERS, P. G.

Geology and Geophysics:
DUBOIS, R. L.
HUFFMAN, G. G.
KITTS, D. B.
MANKIN, C. J.
MYERS, A. J.
STOEVER, E. C., Jr.
SUTHERLAND, P. K.
THOMPSON, T. L.

Health, Physical Education and Recreation:
EICK, W. F.
WEBER, J. C.

History:
BROWN, S. D.
BUHITE, R. D.
CROCKETT, N. L.
EZELL, J. S.
GIBSON, A. M.
GLAD, P. W.
MAEHL, W. H., Jr.
MORGAN, H. W.
MULHOLLAN, P. E.
SHALHOPE, R. E.
SHARP, P. F.
TOBIAS, H. J.

History of Science:
KITTS, D. B.
ROLLER, D. H. D.
SMITH, T. M.

Home Economics:
CRIM, S. R.
DUMAS, C. S.
KRAYNAK, M. E.

Human Relations:
HENDERSON, G.

Journalism and Mass Communication:
BRYSON, R. L., Jr.
CARRELL, B., Jr.
HOLLAND, C. J.

Library Science:
CARROLL, F. L.
HEALEY, J. S.
TOMBERLIN, I. R.

Mathematics:
ANDREE, R. V.
BERNHART, A. F.
HILL, T. J.
HUFF, W. N.
HUNEKE, H. V.
LEVY, G.
MAGID, A. R.
MARX, M. L.

Medical Technology:
COZAD, G. C.

Modern Languages:
ABBOTT, J. H.
ARTMAN, J. P.
DUNHAM, L.
EICHHOLZ, E. H.
FEILER, S.
IVASK, I.
MILIVOJEVIC, D. D.
TOLSON, M. B., Jr.

Philosophy:
FEAVER, J. C.
HOROSZ, W.
KOVACH, F. J.
MERRILL, K. R.
MOHANTY, J. N.
SHAHAN, R. W.

Physics and Astronomy:
BABB, S. E., Jr.
BROERSMA, S.
BURWELL, J. R.
COHN, J.
FISCHBECK, H. J.
FOWLER, R. G.
GOLDEN, D.
HERCZEG, T. J.
ST. JOHN, R. M.

Political Science:
BAKER, R. D.
BENSON, O. E.
CHAPMAN, S. G.
HALL, R. G., Jr.
HOLLOWAY, H. A.
KASH, D. E.
MAC NIVEN, H. G.
PRAY, J. C.
SCHEFFER, W. F.
SLOAN, S.
VARDYS, V. S.
WELLS, R. S.
WHITE, I. L., Jr.
WOOD, J. W.

Psychology:
KANAK, N. J.
LEMMON, W. B.
MELLGREN, R. L.
MORRIS, J. R.
UEHLING, B. S.
WEISS, R. F.
WISPE, L. G.

Regional and City Planning:
RODGERS, J. L.

Social Work:
CHESS, W. A.
KAGAN, M.
PEIRCE, F. J.
TOLLIVER, L. P.

Sociology:
Hilbert, R. E.
Silberstein, F. B.
Steglich, W. G.
Watson, W.

Zoology:
Braver, G.
Brown, H. P.
Carpenter, C. C.
Clemens, H. P.
Frings, H. W.
Goff, R. A.
Haines, H. B.
Hill, L. G.
Hopla, C. E.
Hutchison, V. H.

College of Business Administration:

Accounting:
Brown, H. A., Jr.
Goggans, T. P.
Herrick, T. P., Jr.
Klingstedt, J. P.
McGrew, W. C.
Scott, G. M.

Economics:
Brinker, P. A.
Crim, E. F. Jr.
Hibdon, J. E.
Kondonassis, A. J.
Murray, D. A.
Peach, W. N.
Stephens, J. K.
Taylor, B. J.

Environmental Analysis and Policy:
Lis, A. S.

Finance:
Childress, D. R.
Ford, R. A.

Management:
Alonso, R. C.
Bishop, L. D.
Keown, W. H.
McKibbin, L. E.
Phillips, M. C.
Scanlan, B. K.
Schumacher, B. G.
Wren, D. A.

Marketing:
Brown, H. B., Jr.
Constantin, J. A.
Crites, D. M.
McCammon, B. C., Jr.
Morris, M. L.

College of Education:
Bibens, R. F.
Curry, R. L.
Henderson, G.
Hengst, H. R.
Holcomb, B. D.
King, C. R.
Kowitz, G. T.
Parker, J. F.
Petty, M. C.
Pulliam, J. D.
Renner, J. W.
Rupiper, O. J.
Sharp, P. F.
Shepherd, G. D.
Snider, G. R.
White, R. R.
Wiggins, T. W.
Williams, L. P.
Williams, R. P.
Wisniewski, R.

College of Engineering:

Aerospace, Mechanical and Nuclear Engineering:
Appl, F. J.
Bergey, K. H.
Bert, C. W., III.
Blick, E. F.
Bone, H. K.
Egle, D. M.
Francis, J. E.
Jischke, M. C.
Love, T. J., Jr.
Rasmussen, M. L.
Turkington, D. B.
Upthegrove, W. R.

Chemical Engineering and Materials Science:
Block, R. J.
Clark, A.
Daniels, R. D.
Sliepcevich, C. M.
Starling, K. E.
Townsend, F. M.
Upthegrove, W. R.

Civil Engineering and Environmental Science:
Canter, L. W.
Harp, J. F.
Klehr, E. H.
Laguros, J. W.
Reid, G. W.
Streebin, L. E.

Electrical Engineering and Computing Sciences:
Andree, R. V.
Council, M. E.
Haden, C. R.
Lee, S. C.
Tuma, G.
Walker, G. B.
Zelby, L. W.

Industrial Engineering:
Purswell, J. L.
Shapiro, R. A.

Meteorology:
Eddy, G. A.
Inman, R. L.
Sasaki, Y.

Petroleum and Geological Engineering:
McCray, A. W.
Menzie, D. E.

College of Environmental Design:
Calvert, F. O.
Henderson, A. G.
Hodgell, M. R.
Kuhlman, R. N.
Shellabarger, F. D.
Wilson, W. H.
York, J. G.

College of Fine Arts:

Art:
Bavinger, E. A.
Bogart, G. A., Jr.
Henkle, J. L.
Hobbs, J. F.
Lee, C. E.
Olkinetzky, S.

Drama:
Eek, N. S.
Herstand, T.
Larson, R. D.
Suggs, C. C.
Terekhov, M.

Music:
Bell, D. B.
Birkhead, J.
Braught, E. A.
Bryant, C. M.
De Stwolinski, G. B.
Henson, B. R.
Kaiserman, D. N.
Mathis, G. R.
Smith, J. N.
Trumble, E. L.
Wagner, I. L.

College of Law:
Elkouri, F.
Fraser, G. B.
Gibbens, D. G.
Kuntz, E. O.
Long, J. C.
McNichols, W. J.
Miller, F. H.
Million, E. M.
Morgan, E. D.
Phelps, E. D.
Rarick, J. F.
Reynolds, O. M.
Richardson, R. E. L.
Swank, D.
Te Selle, J.
Vliet, R. D.
Westbrook, J. E.
Whinery, L. H.
Young, H. W.

College of Liberal Studies:
Artman, J. P.
Bergey, K. H.
Bernhart, A.
Block, R. J.
Brinker, P. A.
Bryant, C. M.
Burkett, J. E.
Childress, D. R.
Cohn, J.
Constantin, J. A.
Crim, S. R.
Crockett, N. L.
DeStwolinski, G.
Eddy, G. A.
Eick, W. F.
Elconin, V. A.
Ezell, J.
Feaver, J. C.
Fogel, N.
Gibson, A. M.
Hall, R. G.
Henderson, A.
Hibdon, J. E.
Hilbert, R. E.
Holland, C. J.
Horosz, W.
Huffman, G.
Jischke, M.
Kanak, N. J.
Kendall, J.
Kitts, D. B.
Lee, C.
Levy, G.
MacNiven, H. G.
Maehl, W. H., Jr.
Nolan, P. J.
Olson, R. E.
Petty, M. C.
Phillips, M. C.
Ruggiers, P. G.
Shahan, R. W.
Smith, E. C.
Smith, T. M.
Suggs, C. C.
Tobias, H. J.
Tolson, M. B., Jr.
Walker, G. B.
Weber, J. C.
Wells, R. S.
Wiggins, T. W.
Zelby, L. W.

Oklahoma City Campus

The University of Oklahoma
Health Sciences Center,
P.O.B. 26901, Oklahoma City,
Oklahoma 73190

Provost, Health Sciences: William G. Thurman, M.D.
Director of Admissions: Norman Goodwin, B.A.
Librarian: Leonard M. Eddy, M.L.S.

Deans:

College of Dentistry: William E. Brown, D.D.S.

Graduate College-Health Science Center: Ralph Daniels, Ph.D.

College of Health: Philip E. Smith, Sc.D.

College of Medicine: Thomas M. Lynn, M.D.

College of Nursing: Gloria R. Smith, M.P.H.

College of Pharmacy: Rodney D. Ice, Ph.D.

Professors:

College of Dentistry:

Anatomical Sciences:

Nanda, R. S.

Biochemistry and Molecular Biology:

Johnson, B. C.

Community Dentistry:

Shapiro, S.
Sullens, R. H.

Family Practice and Community Medicine and Dentistry:

Lynn, T. N.
Steen, W. D.

Fixed Prosthodontics:

Shillingburg, H.

Microbiology and Immunology:

Felton, F. G.
Hyde, R. M.
Ivey, M. H.
Patnode, R. A.
Sokatch, J. R.

Occlusion:

Whitsett, L.

Operative Dentistry:

Collard, E. W.
Dilts, W. E.

Oral Diagnosis-Oral Radiology:

Reynolds, R. L.

Oral Surgery:

Staples, A. F.

Orthodontics:

Nanda, R. S.

Pathology:

Coalson, J. J.

Pedodontics:

Brown, W. E., Jr.
Mathewson, R. J.

Periodontics:

Hornbuckle, G. C.

Physiology and Biophysics:

Staples, A. F.

Restorative Dentistry:

Welk, D. A.

College of Health:

Allied Health Education:

Smith, P. E.

Biostatistics and Epidemiology:

Anderson, P. S., Jr.
Deal, R. B., Jr.
Silberg, S. L.
West, K. M.

Communication Disorders:

Barry, S. J.
Counihan, D. T.
Cullinan, W. L.
Emanuel, F. W.
Mencke, E. O.

Health Administration:

Amidon, R. L.
Cameron, C. M., Jr.
Hanson, I. R.
Jones, B. L.
Macer, D. J.
Owens, M. V.

Human Ecology and Environmental Health:

Coleman, R. L.
Ketner, R. W.
Lawrence, C. H.
McGowan, T. R.
Mill, R. A.

Medical Library Science:

Eddy, L. M.

Medical Technology:

Felton, F. G.

Occupational Therapy:

Reed, K.

Radiologic Technology:

Rauliuk, J. W.
Traub, S. P.

Respiratory Therapy:

Sears, B. E.

College of Medicine:

Anatomical Sciences:

Allison, J. E.
Coalson, R.
Faulkner, K. K.
Felts, W. J. L.
Lee, J. C.
Lhotka, J. F.
Nanda, R. S.

Anaesthesiology:

Carmack, C. A.
Deutsch, S.
Massion, W. H.
Sears, B. E.

Biochemistry and Molecular Biology:

Chandler, A. M.
Delaney, R.
Johnson, B. C.
Rabinovitch, B.
Unger, L.

Clinical Laboratory Science:

McClellan, B. J.
O'Neal, R. M.

Dental Surgery:

Staples, A. F.

Dermatology:

Everett, M. A.
Weigand, D. A.

Family Practice and Community Medicine and Dentistry:

Lynn, T. N.
Steen, W. D.

Gynaecology-Obstetrics:

Crosby, W. M.
Merrill, J. A.

History of Medicine:

Howard, R. P.

Medicine:

Bottomley, R.
Bottomley, S. S.
Clark, M. L.
Coussons, R. T.
Czerwinski, A.
Dubowski, K. M.
Eichner, E. R.
Frew, A. L.
Groom, D.
Gunn, C. G.
Hammarsten, J. F.
Hampton, J. W.
Howard, R. P.
Mock, D. C.
Muchmore, H. G.
Papper, S.
Rhoades, E.
Rogers, R. M.
Schneider, R. A.
Schultz, R. T.
Smith, W. O.
Welsh, J. D.
Whitcomb, W. H.
Wilson, M. F.

Microbiology and Immunology:

Bulmer, G. S.
Felton, F. G.
Ferretti, J. J.
Hyde, R. M.
Ivey, M. H.
Patnode, R. A.
Scott, L. V.
Sokatch, J. R.
Unger, L.

Neurology:

Nelson, J. W.

Ophthalmology:

Acers, T. E.

Orthopaedic Surgery:

Kopta, J. A.

Otorhinolaryngology:

Moran, W. B.
Smith, R.

Pathology:

Coalson, J. J.
Fahmy, A.
McClellan, B. J.
O'Neal, R.
Taylor, F. B.

Paediatrics:

Humphrey, G. B.
Metcoff, J.
Rennert, O. M.
Riley, H. D., Jr.
Seely, J. R.
Thomas, E. D.
Thompson, W. M.
Thurman, W. G.
Torres-Pinedo, R. B.
Wenzl, J. E.

Pharmacology:

Hornbrook, R.
Moore, J. I.

Physiology and Biophysics:

Brecher, G. A.
Chowdhury, T. K.
Hinshaw, L.
Keyl, J.
Staples, A. F.
Weiss, K. A.

Psychiatry and Behavioural Sciences:

Deckert, G. H.
Holloway, F. A.
Hudson, K. K.
Krug, R.
Lopez, A.
Paredes, A.
Parsons, O. A.
Pishkin, V.
Shurley, J. T.
Tapia, F.
Toussieng, P. W.
Von, Brauchitsch, H.
Weitzenhoffer, A.
Williams, H.

Pulmonary Diseases:

Muchmore, H. G.

Radiological Sciences:

Adams, G. D.
Anderson, D. W.
Bogardus, C. R.
Brown, R. E.
Eaton, B. G.
Kollmorgen, M.
Lemon, W. E.
Smith, C. W.
Traub, S. P.
Van Houtte, J. J.
Wizenberg, M. J.

Surgery:

Elkins, R. C.
Guernsey, J. M.
Kaplan, R. J.
Kelly, J. M.
Pollay, M.
Smith, E. I.
Williams, G. R.

Urology:

Geyer, J. R.
Parry, W. L.

College of Nursing:

Bircher, A. U.
Watson, D. L.

College of Pharmacy:

Daniels, R.
Ice, R. D.
Kaul, P. N.
Sommers, E. B.

Tulsa Campus

The University of Oklahoma
Tulsa Medical College,
2727 East 21st St., Tulsa,
Oklahoma 74105

Dean:

Tulsa Medical College: James E. Lewis, ph.d.

Professors:

Family Practice:

Good, R. C.

Gynaecology-Obstetrics:

Nettles, J. B.

Medicine:

FitzPatrick, M. J.
Gibbs, R. M.

Paediatrics:

Plunket, D.

Psychiatry:

R. Allen J.,

Surgery:

Clingan, F. A.

UNIVERSITY OF SCIENCE AND ARTS OF OKLAHOMA

CHICKASHA, OKLAHOMA 73018

Founded 1908.

State-supported college.

President: Dr. Roy Troutt.

Vice-President for Academic Affairs: Dr. Floyd Coppedge.

Vice-President for Fiscal Affairs: Dr. Clyde Spruell.

Vice-President for the University Community: Bill Smith.

Librarian: W. Martin, Jr.

The library contains 75,000 vols.
Number of teachers: 55.
Number of students: 1,175.

Publication: *Trend.*

UNIVERSITY OF TULSA

600 SOUTH COLLEGE AVENUE,
TULSA, OKLAHOMA 74104

Telephone: (918) 939-6351.

Founded as Henry Kendall College under Presbyterian control 1894, reorganized and name changed to University of Tulsa 1920; became non-denominational 1928.

President: J. Paschal Twyman.

Vice-Presidents: J. Hayes, J. Dowgray, A. Fowler, E. C. Turner, F. Tenney.

Dean of Admissions and Records: C. E. Malone.

Librarian: G. Logsdon.

Number of teachers: 290.
Number of students: 6,100.

Publications: *James Joyce Quarterly, University of Tulsa Magazine*†.

Deans:

Arts and Sciences: E. B. Strong, Jr.
Business Administration: C. Hutton.
Education: B. Howell.
Engineering: Nicholas D. Sylvester.
Nursing: Ira Trail.
Law: F. T. Read.
Graduate: Allen R. Soltow.

Professors:

Alworth, P., ph.d., English
Blair, A. P., ph.d., Zoology
Boone, L. E., ph.d., Marketing
Brill, J. P., ph.d., Petroleum Engineering
Brown, K. E., ph.d., Petroleum Engineering
Brown, P. L., th.d., Philosophy
Buckley, T. H., ph.d., History
Buthod, P., m.s., Chemical Engineering
Cadenhead, I. E., Jr., ph.d., History
Cairns, T. W., ph.d., Mathematics
Coker, C., m.a., Art
Dailey, D., m.m., Music
Devonshire .L., ph.d., Chemistry
Dowgray, J. L., ph.d., History
Dratz, J. P., ph.d., Physical Education
Farmer, C. H., ph.d., Mathematics
Frey, Martin A., ll.m., Law
Frizzell, Kent, j.d., Law
Griffith, P. M., ph.d., English
Guerrero, E. T., ph.d., Petroleum Engineering
Gup, B. E., ph.d., Banking and Finance
Hager, J. W., ll.m., Law
Hall, R. L., ed.d., Education
Hayden, D. E., ph.d., English
Henderson, R. W., ph.d., Religion
Henneke, B. G:, ph.d., Humanities
Hicks, J. F., ll.m., Law
Hipsher, W. L., Jr., ed., Education
Hornbostel, V. O., ph.d., Education
Howell, Bruce, ph.d., Education
Hutton, C. E., ph.d., Accounting
Johnson, M., ph.d., English
Jones, H. R., ph.d., Speech
Ketchum, B. V., m.s.a.e., Mechanical Engineering
Kincaid, J. M., ph.d., Nursing
Kinsey, B., ph.d., Sociology
Lindsay, H. L., ph.d., Zoology
Lowe, M. E., ph.d., History
Luce, T. S., ph.d., Education
McCarter, C. C., ll.m., Law
McCoy, J. D., ph.d., Physics
McKay, E. S., ph.d., Chemistry
McKee, W. E., ph.d., History of Music
Mancinelli, A., Piano
Manning, F. S., ph.d., Chemical Engineering
Marder, D., ph.d., English
Merrell, H. B., ph.d., Communicative Disorders
O'Brien, D., ph.d., Modern Letters
Oliver, B. C., ed.d., Education
Place, B. E., b.s., Art
Porter, R. A., Jr., ph.d., Accounting
Read, F. T., j.d., Law
Redding, E. A., ed.d., Nursing
Reeves, E., ph.d., Political Science
Sargent, E. A., ed.d., Education
Schwarz, M., ph.d., French
Settle, W. A., Jr., ph.d., History
Staley, T. F., ph.d., English
Strickland, Rennard, s.j.d., Law
Sylvester, N. D., ph.d., Petroleum Engineering
Thomas, G. W., ph.d., Petroleum Engineering
Thomas, J. C., ll.m., Law
Thomas, R. C., ll.m., Law
Thompson, R. E., ph.d., Chemical Engineering
Tidrow, J., ed.d.. Education
Trail, Ira, ph.d., Nursing
Trueblood, L. R., d.b., Management
Turner, Emery C., d.b.a., Accounting
Twyman, J. P., ph.d., Education
Visher, G. S., ph.d., Earth Sciences
von Rosenberg, Dale, sc.d., Chemical Engineering
Vunovich, N., ph.d., Theatre
Weathers, W., ph.d., English
Weber, C. E., ph.d., German
Westerlund, S., ed.d., Education
Winchester, O. W., ph.d., English
Zusne, L., ph.d., Psychology

OREGON

EASTERN OREGON STATE COLLEGE

LA GRANDE, OREGON 97850

Telephone: (503) 963-2171.

Founded 1929.

President: Rodney A. Briggs.

Dean of Academic Affairs: David Gilbert.

Director of Student Affairs: Douglas Treadway.

Director of Business Affairs: James Lundy.

Director of College Relations: Howard Anderson.

Librarian: J. W. Evans.

The library contains 82,595 vols.
Number of teachers: 125.
Number of students: 1,476.

Division Chairmen:

Education: Harvey Bennett.
Humanities: John Cobb.
Social Science and Business: Katsuyuki Sakamoto.
Science and Mathematics: Gerald Young.

GEORGE FOX COLLEGE

NEWBERG, OREGON 97132

Telephone: (503) 538-8383.

Founded 1891.

President: Dr. David C. LeShana.
Director of Admissions: J. Settle.
Librarian: Miss Genette McNichols.

The library contains 50,000 vols.
Number of teachers: 40.
Number of students: 700.

LEWIS AND CLARK COLLEGE

PORTLAND, OREGON 97219

Founded 1867.

President: Dr. JOHN R. HOWARD.
Registrar: R. WILKIN.
Vice-President for Academic Affairs: J. E. BROWN.
Vice-President for Student Affairs: RICHARD A. SORENSON.
Vice-President for Development: GLENN H. GREGG.
Vice-President for Business and Finance: WILLIAM T. MALLINSON.
Dean, Northwestern School of Law: FRED D. FAGG III.
Librarian: J. W. PIRIE.

The library contains 266,979 vols.

Number of teachers: 143 full-time, 40 part-time.

Number of students: 3,150.

Publication: *Journal*†.

LINFIELD COLLEGE

McMINNVILLE, OREGON 97128

Telephone: (503) 472-4121.

Founded 1849.

President: Dr. C. U. WALKER.
Registrar: Dr. K. C. WILLIAMS.

The library contains 90,000 vols.

Number of teachers: 79.

Number of students: 1,000.

NORTHWEST CHRISTIAN COLLEGE

ELEVENTH AND ALDER STREETS, EUGENE, OREGON 97401

Telephone: (503) 343-1641.

Founded 1895.

President: WILLIAM E. HAYS.
Registrar: DORIS BOKOVOY.
Librarian: MARGARET W. HEWITT.

The library contains 51,000 vols.

Number of teachers: 19.

Number of students: 375.

OREGON STATE UNIVERSITY

CORVALLIS, OREGON 97331

Telephone: (503) 754-0123.

Founded 1868.

State control; Academic year: September to June.

President: R. W. MACVICAR, PH.D.
Vice-President for Administration: MILOSH POPOVICH, M.S.
Vice-President for Student Services: ROBERT W. CHICK, ED.D.
Dean of Faculty: D. B. NICODEMUS, PH.D.
Dean of Research: JOHN V. BYRNE (acting).
Registrar: W. E. GIBBS, ED.M.
Director of Business Affairs: HUGH F. JEFFREY, Jr., B.S.
Librarian: R. K. WALDRON, M.A.

The library contains 820,000 vols., 615,000 microfilms.

Number of teachers: 1,500.

Number of students: 16,000.

Publications: *Oregon Stater, Improving College and University Teaching* (quarterly), *Yearbook of Asscn. of Pacific Coast Geographers, Biology Colloquium Proceedings, Genetics Lecture Series* (annually), etc., occasional publs., monographs.

DEANS:

Graduate School: ROBERT W. NEWBURGH.
School of Agriculture: W. T. COONEY, M.S.
School of Business: E. E. GODDARD, D.B.A.
School of Education: SYLVIA TUCKER, ED.D.
School of Engineering: F. J. BURGESS, M.S.
School of Forestry: C. H. STOLTENBERG, PH.D.
School of Health and Physical Education: J. W. LONG, PH.D.
School of Home Economics: BETTY E HAWTHORNE, PH.D.
College of Liberal Arts: DAVID J. KING, PH.D.
School of Oceanography: G. ROSS HEATH, PH.D.
School of Pharmacy: RICHARD A. ONVALL, PH.D.
College of Science: ROBERT W. KRAUSS, PH.D.
School of Veterinary Medicine: E. EDWARD WEDMAN, PH.D.

PACIFIC UNIVERSITY

COLLEGE WAY,
FOREST GROVE, OREGON 97116

Telephone: (503) 357-6151.

Founded 1849.

President: JAMES V. MILLER.
Registrar: Mrs. GLORIA WULF.
Director of Admissions: PAUL B. RANSLOW.
Librarian: CHARLES KEMP.

The library contains 118,882 books, 8,291 Oregon documents, 131,706 U.S. documents.

Number of teachers: 70 full-time.

Number of students: 1,058.

PORTLAND STATE UNIVERSITY

P.O. BOX 751,
PORTLAND, OREGON 97207

Telephone: (503) 229-4411.

Founded 1955.

Academic year: September to June (and Summer Session).

Chancellor: R. E. LIEUALLEN.
Vice-Chancellor for Academic Affairs: M. C. ROMNEY.
Vice-Chancellor for Administration: F. HOLMER.
Vice-Chancellor for Facilities Planning: J. I. HUNDERUP.
President: Dr. JOSEPH C. BLUMEL.
Vice-President for Finance and Administration: J. E. TODD.
Vice-President for Academic Affairs: LEON RICHELLE.
Vice-President for University Relations: E. D. ANDERSON.
Director of Budget: J. K. HARRIS.
Director of Admissions: EILEEN ROSE.
Dean of Students: ORCILIA FORBES.
Librarian: Dr. FRANK RODGERS.

The library contains 522,524 vols.

Number of teachers: 556.

Number of students: 14,241.

Publications: *Choosing PSU* (annually), *This is Portland State* (annually), *Perspective* (quarterly), *Undergraduate Catalog, Graduate Catalog, Summer Catalog, School of Social Work Catalog* (each annually).

DEANS:

College of Arts and Letters: JOHN TRUDEAU (acting).
College of Science: K. DITTMER.
College of Social Science: G. C. HOFFMANN.
School of Business Administration: D. D. PARKER.
School of Social Work: G. HEARN.
School of Education: RONALD PETRIE.
School of Urban Affairs: NOHAD TOULON.
Graduate Studies and Research: STANLEY RAUCH.

REED COLLEGE

PORTLAND, OREGON 97202

Founded 1909.

President: PAUL E. BRAGDON.
Vice-President and Treasurer: GEORGE A. HAY.
Provost-Vice-President: MARVIN LEVICH.
Registrar: ELLEN K. JOHNSON.
Dean of Students: JOHN A. DUDMAN.
Director of Alumni Office: FLORENCE W. LEHMAN.
Librarian: LUELLA R. POLLOCK.

The library contains 262,600 vols.

Number of teachers: 116.

Number of students: 1,150.

SOUTHERN OREGON STATE COLLEGE

1250 SISKIYOU BOULEVARD,
ASHLAND, OREGON 97520

Telephone: (503) 482-3311.

Founded 1926.

President: JAMES K. SOURS.
Registrar: R. DAVIDSON.
Librarian: R. E. MOORE.

The library contains 623,721 vols.

Number of teachers: 242.

Number of students: 4,184.

UNIVERSITY OF OREGON

EUGENE, OREGON 97403

Telephone: (503) 686-3111.

Established 1872; opened 1876.

State controlled; Academic year: September to June.

President: WILLIAM BOYD, PH.D.
Vice-President for Administration and Finance: R. HAWK, D.ED.
Vice-President for Academic Affairs: PAUL OLUM, PH.D.
Vice-President for Public Services: CURTIS R. SIMIC, B.S.
Registrar: WANDA JOHNSON, M.S. (acting).
Director of Business Affairs: W. N. MCLAUGHLIN, B.S., C.P.A.
Librarian: H. W. AXFORD, PH.D.

The libraries contain 1,350,000 vols.

Number of teachers (Eugene Campus only): 932.

Number of students (Eugene Campus only): 16,701.

Publications: *University of Oregon Catalogs* (3 issues per year), *University of Oregon Books, Comparative Literature* (quarterly), *Oregon Law Review* (quarterly), *Oregon Business Review* (monthly), *Physical Education Microcards, Governmental Research Bulletins,* and *Bulletin of the Museum of Natural History.*

DEANS:

Graduate School: AARON NOVICK, PH.D.
College of Liberal Arts: JOHN BALDWIN, PH.D.
School of Architecture and Allied Arts: R. S. HARRIS, M.F.A.
College of Business Administration: JAMES REINMUTH, PH.D.
School of Community Service and Public Affairs: RICHARD J. HILL, PH.D.
College of Education: R. GILBERTS, PH.D.
School of Health, Physical Education and Recreation: L. S. RODNEY, PH.D.
School of Journalism: GALEN R. RARICK, PH.D.
School of Law: CHAPIN CLARK, LL.B., LL.M.
School of Music: MORETTE RIDER, PH.D.
Honors College: R. A. KIMBALL, PH.D. (Director).

PROFESSORS:

ABBOTT, M. G., PH.D., Education
ACKER, M. H., M.A., PH.D., Education
AIKENS, C. M., PH.D., Anthropology
ALBAUM, G. S., PH.D., Marketing
ALBRECHT, R. C., PH.D., English
ALEF, G., M.A., PH.D., History
ANDERSON, F. W., PH.D., Mathematics
ANDREWS, F. C., PH.D., Mathematics
ANDREWS, G. F., B.S., N.C.A.R.B., Architecture
ANDRUS, R. R., PH.D., Marketing
ATTNEAVE, F., III, PH.D., Psychology
BAILEY, EXINE A., M.A., Music
BAJER, A. S., M.A., D.SC., Biology
BALDWIN, E. M., M.S., PH.D., Geology
BALDWIN, J. E., PH.D., Chemistry
BALL, R. C., PH.D., English
BALLINGER, T. O., M.A., Art
BARNES, B. A., PH.D., Mathematics
BARNES, E. B., PH.D., Library Administration
BARRAR, R. B., M.S., PH.D., Mathematics
BARTEL, R., PH.D., English
BASYE, W. M., A.B., LL.B., Law
BATEMAN, BARBARA, M.A., PH.D., Education
BECK, J., PH.D., Psychology
BECKER, W. C., PH.D., Education
BERGQUIST, P., PH.D., Music
BERNHARD, S. A., PH.D., Chemistry
BIERWAG, G. O., PH.D., Economics
BINGHAM, E. R., PH.D., History
BIRN, R., PH.D., History
BOEKELHEIDE, V. C., PH.D., Chemistry
BOGGS, S., Jr., PH.D., Geology
BONNETT, HOWARD T., PH.D., Biology
BOWERS, C. A., PH.D., Education
BOYD, W. B., PH.D., History
BREIDENTHAL, L., A.MUS.DOC., Music
BRISCOE, J. L., B.ARCH. ENG., Architecture
BRODIE, D. W., LL.B., Law
BROEKHOFF, J., PH.D., Physical Education
BROWN, RICHARD M., PH.D., History
BROWN, W. B., PH.D., Management
BROWNING, P., PH.D., Education
BRYAN, S. W., M.ARCH., Architecture
BUCKNER, P. E., M.F.A., Sculpture
BURGNER, J. W., M.A., Art
CADBURY, W., PH.D., Film Studies
CALIN, W., PH.D., French
CAMPBELL, R., PH.D., Economics
CARLSON, R. O., ED.D., Education
CASTENHOLZ, R. W., PH.D., Biology
CHARTERS, W. W., Jr., PH.D., Education
CHRISTENSEN, N. J., PH.D., Education
CIVIN, P., PH.D., Mathematics
CLARK, C. D., LL.M., Law
CONANT, E. H., PH.D., Management
CRASEMAN, B., PH.D., Physics
CRAWFORD, J. W., M.A., Journalism
CSONKA, P. L., PH.D., Physics
CURTIS, C. W., PH.D., Mathematics
CUTLER, J. V., PH.D., Speech
DASSO, J. J., PH.D., Finance
DAVIES, J. C., PH.D., Political Science
DAVIS, R. M., PH.D., Economics
DAWES, R. M., PH.D., Psychology
DECHAINE, F. B., PH.D., Theatre
DECKER, L. E., PH.D., History
DEJUNG, J. E. S., ED.D., Education
DEUTSCH, S. E., PH.D., Sociology
DILLER, E., D.M.L., German
DIZNEY, H. F., PH.D., Education
DOLBY, L. J., PH.D., Chemistry
DOLE, P. H., M.S., Architecture
DONNELLY, M., PH.D., Art History
DONNELLY, R. J., PH.D., Physics
DORJAHN, V. R., PH.D., Anthropology
DOWNES, B. T., PH.D., Community Service
DUMOND, D. E., PH.D., Anthropology
DUNCAN, C. T., M.A., Journalism
DYER, MICHAEL N., PH.D., Mathematics
EBERSOLE, F. B., PH.D., Philosophy
ERICKSON, K. A., ED.D., Education
EWAN, J. D., M.S., Journalism
EVONUK, E., PH.D., Physical Education
FAGOT, B. I., PH.D., Psychology
FAGOT, R. F., PH.D., Psychology
FERENS, R. R., M.ARCH., Architecture
FISZMAN, J. R., PH.D., Political Science
FORD, P. M., RE.D., Recreation Management
FOSMIRE, F. R., PH.D., Psychology
FOSTER, D. G., M.F.A., Art
FRANK, P. W., PH.D., Biology
FREEMESSER, B. L., M.S., Art
FRIEDMAN, R. P., PH.D., Speech
FROHNMAYER, D. B., J.D., Law
GILBERTS, R. D., PH.D., Educational Administration
GILLAND, W. G., M.F.A., Architecture
GIRARDEAU, M. D., PH.D., Physics
GOLDBERG, L. R., PH.D., Psychology
GOLDRICH, D., PH.D., Political Science
GOLDSTEIN, H. N., PH.D., Economics
GOLES, G. G., PH.D., Chemistry/Geology
GONTRUM, P., PH.D., German
GOSWAMI, AMIT, PH.D., Physics
GRANT, P., PH.D., Biology
GRAY, J., PH.D., Biology
GREENFIELD, S. B., PH.D., English
GREENFIELD, T. M., PH.D., English
GRIFFITH, C., PH.D., English
GRIFFITH, O. H., PH.D., Chemistry
GROVE, M. A., PH.D., Economics
HAHN, W. L., PH.D., German
HAISLIP, J. A., PH.D., English
HAMILTON, J., D.M.A., Music
HANDY, W. J., PH.D., English
HANHARDT, A. M., PH.D., Political Science
HARRIS, R. S., M.P.A., Architecture
HARRISON, D. K., Mathematics
HART, T. R., PH.D., Romance Languages
HARTER, R., B.S., Physical Education
HATZANTONIS, E. S., PH.D., Romance Languages
HAWK, R., D.ED., Education
HEDETNIEMI, S., PH.D., Computer Science
HERBERT, E., PH.D., Chemistry
HERSH, R. H., ED.D., Education
HIGGINS, R. J., PH.D., Physics
HILL, R. J., PH.D., Sociology
HINTZMAN, D., PH.D., Psychology
HLADKY, J. R., A.MUS.D., Music
HOARD, J. E., PH.D., English
HODGE, G. M., Jr., M.S., Architecture
HOFFER, A. R., PH.D., Mathematics
HOLBO, P. S., PH.D., History
HOLSER, W. T., PH.D., Geology
HOVET, T., PH.D., Political Science
HOYLE, G., D.SC., Biology
HWA, R. C., PH.D., Physics
HYMAN, R., PH.D., Psychology
HYNES, J. A., Jr., PH.D., English
JACKSON, J. M., PH.D., Sociology
JAMES, R. C., M.F.A., Art
JETTE, G. S., B.L.A., Architecture
JOHANNESSEN, C. L., PH.D., Geography
JOHANNIS, T. B., Jr., PH.D., Sociology
JOHNSON, B., PH.D., Sociology
JOHNSON, D. N., B.A., Public Affairs
JOHNSON, L. T., M.A., Interior Architecture
JONES, C. M., PH.D., Management
JONES, H. R., M.A., Librarianship
JUNG, A., PH.D., Chinese
KANTOR, WILLIAM M., PH.D., Mathematics
KAUFMAN, G. G., PH.D., Banking and Finance
KEANA, JOHN F. W., PH.D., Chemistry
KELLY, J. G., PH.D., C.S.P.A., Psychology
KEMP, J. C., PH.D., Physics
KENSLER, G. L., ED.D., Art Education
KEZER, J., PH.D., Biology
KHANG, CHULSOON, PH.D., Economics
KIMBLE, D. P., PH.D., Psychology
KIME, R. E., PH.D., Health Education
KITZHABER, A. R., PH.D., English
KLEINSASSER, W., M.F.A., Architecture
KLEMM, L. R., PH.D., Chemistry
KLONOSKI, J. R., PH.D., Political Science
KOENIG, T. W., PH.D., Chemistry
KOPLIN, H. T., PH.D., Economics
KRANZLER, G. D., ED.D., Education
KRAUSE, L., B.S., Fine and Applied Arts
KRETSINGER, E. A., PH.D., Speech
LACY, F. R., J.D., LL.M., Law
LALLAS, J. E., ED.D., Education
LANIER, V., ED.D., Art Education
LARUSSO, D. A., PH.D., Speech
LEE, IRA D., M.M.E., Music
LEFEVRE, H. W., PH.D., Physics
LEMERT, J. B., PH.D., Journalism
LEISTNER, C. A., PH.D., Speech
LEPPMANN, W. A., PH.D., Germanic Languages
LEWINSOHN, P. M., PH.D., Psychology
LICHTENSTEIN, E., PH.D., Psychology
LINDE, H. A., LL.B., Law
LINDERSKI, J., PH.D., History
LINDHOLM, R. W., PH.D., Finance
LITTMAN, R. A., PH.D., Psychology
LOEB, H. L., PH.D., Mathematics
LOUGHARY, J. W., PH.D., Education
LOVE, G. A., PH.D., English
LOVELL, L. L., PH.D., Education
LOVINGER, R. J., M.L.A., Landscape Architecture
LOWE, R. N., ED.D., Education
MAIER, E. A., PH.D., Mathematics
MALARKEY, S., PH.D., English

Martin, G. M., ph.d., Music
Martin, W. T., ph.d., Sociology
Matthews, B., ph.d., Physics
Matthews, E. E., ed.d., Education
Mattis, J. M., j.d., Public Affairs
Maveety, S. R., ph.d., English
Maynard, E. A., ph.d., Biology
Mazo, R. M., ph.d., Chemistry
McBirney, A. R., ph.d., Geology
McClure, J. W., ph.d., Physics
McConnaughey, B. H., ph.d., Biology
McCue, B. F., ph.d., Physical Education
McDaniels, D. K., ph.d., Physics
McFee, J. K., ed.d., Art Education
McKenzie, A. D., ph.d., Art History
McManus, S. C., m.a., Music
Merrill, F. R., j.d., Law
Mikesell, R. E., ph.d., Economics
Miller, J. A., a.mus.d., Music
Mitchell, Joyce, ph.d., Political Science
Mitchell, W. C., ph.d., Political Science
Mittman, A., ph.d., Education
Moore, C., ph.d., English
Moravcsik, M. J., ph.d., Physics
Morris, R. W., ph.d., Biology
Morrison, P. D., d.l.s., Librarianship
Moursund, D. G., ph.d., Computer Science
Moursund, E. E., m.arch., Architecture
Munz, F. W., ph.d., Biology
Nelson, L. T., ph.d., Mathematics
Nelson, R. P., m.s., Journalism
Nicholls, R. A., ph.d., Germanic Languages
Niven, I. M., ph.d., Mathematics
Nixon, C. M., b.f.a., Applied Design
Novick, A., ph.d., Biology
Novitski, E., ph.d., Biology
Noyes, R. M., ph.d., Chemistry
Nye, V. T., m.a., Education
Orbell, J. H., ph.d., Political Science
Owen, H., d.m.a., Music
Palmer, T. W., ph.d., Mathematics
Pascal, C. B., ph.d., Classics
Patterson, G. R., ph.d., Education
Patton, C. P., ph.d., Geography
Peticolas, W. L., ph.d., Chemistry
Pierce, Lawrence C., ph.d., Political Science
Pierson, S. A., ph.d., History
Platt, G. M., ll.b., Law
Polk, K., ph.d., Sociology
Posner, M. I., ph.d., Psychology
Powell, J. L., ph.d., Physics
Powers, P. J., ph.d., Romance Languages
Price, E. T., ph.d., Geography
Puckett, J. L., m.s., Physical Education
Rankin, R. J., ph.d., Education
Rarick, G. R., ph.d., Journalism
Ray, M. L., j.d., Law
Read, D. B., m.s., Physical Education
Reinmuth, J. E., ph.d., Quantitative Methods
Reithel, F. J., ph.d., Chemistry
Reynolds, J. S., m.arch., Architecture
Rhoda, W. P., d.ed., Physical Education
Rich, S. U., d.b.a., Industrial Marketing
Robeck, M. C., ph.d., Education
Robert, W. J., ll.m., Business Law
Rodney, L. S., ph.d., Recreation Management
Ross, K. A., ph.d., Mathematics
Rousseve, R., ph.d., Community Service
Rowe, J. D., b.a., Public Affairs
Rudy, Paul P., ph.d., Biology
Runkel, P. J., ph.d., Psychology
Ryan, C. B., m.f.a., Art
Salisbury, R., m.f.a., English
Saltzman, H. R., d.m.a., Music
Sampson, R. J., ph.d., Transportation
Sanders, J. T., ph.d., Religious Studies
Schaaf, O. F., ph.d., Education
Schellman, J. A., ph.d., Chemistry
Schlaadt, R. G., ed.d., Health Education
Schminke, C. W., ph.d., Education
Schmitt, M., b.s. in l.s., Library Administration
Schmuck, R. A., ph.d., Education
Schwarz, R. H., ph.d., Education
Scoles, E. F., j.s.d., Law
Scott, F. G., ph.d., Education
Seitz, Gary M., ph.d., Mathematics
Sheperd, George, ed.d., Education
Shepherd, J. R., ph.d., Speech
Sherwood, J. C., ph.d., English
Siegel, B. N., ph.d., Economics
Sierodski, A. J., ph.d., Mathematics
Simonds, P. E., ph.d., Anthropology
Simpson, P. B., ph.d., Economics
Sistrom, W. R., ph.d., Biology
Sloat, C., ph.d., English
Smith, Everett G., Jr., ph.d., Geography
Smith, R. E., ph.d., Economics
Smith, R. W., ph.d., History
Smith, W. E., ed.d., Health Education
Soderwall, A. L., ph.d., Biology
Sorenson, L. R., ph.d., History
Stahl, F. W., ph.d., Biology
Stern, T., ph.d., Anthropology
Strange, William, ph.d., English
Straton, G. D., ph.d., Religious Studies
Streisinger, G., ph.d., Biology
Strong, J. W., ll.b., Law
Sundberg, N. D., ph.d., Psychology
Surles, R. H., j.d., m.ll., Law Library
Suttle, J. E., ed.d., Education
Swan, P., ll.b., Law
Swinehart, D. F., ph.d., Chemistry
Sylwester, R. A., ed.d., Education
Tang, S. J. Y., m.s., Architecture
Tate, R. F., ph.d., Mathematics
Tattersall, J. N., ph.d., Economics
Taylor, D. S., ph.d., English
Tepfer, S. S., ph.d., Biology
Thurber, C. E., ph.d., International and Public Affairs
Titus, H. W., ll.b., Law
Toelken, J. B., ph.d., English
Tollenaar, K., m.a., Public Affairs
Trotter, R. M., ph.d., Music
Truax, D. R., ph.d., Mathematics
Tull, D. S., ph.d., Marketing
Urquhart, A. W., ph.d., Geography
Vernon, J. A., ph.d., Otolaryngology
Von Hippel, P. H., ph.d., Chemistry
Ward, L. E., Jr., ph.d., Mathematics
Watson, D. A., ph.d., Finance
Wattles, M. D., ph.d., Economics
Weatherhead, A. K., ph.d., English
Weill, D. F., ph.d., Geology
Weiss, R. L., ph.d., Psychology
Westling, A. M., b.s., Public Affairs
Weston, W. A., ph.d., Biology
Whitfield, V. J., ed.d., Music
Wickelgren, W. A., ph.d., Psychology
Wickes, G., ph.d., English
Wilson, N., ph.d., Music
Wimber, D. E., ph.d., Biology
Winter, W. L., ph.d., Journalism
Wolcott, H. F., ph.d., Education and Anthropology
Wolfe, R. G., Jr., ph.d., Chemistry
Woods, Wm. C., m.mus., Music
Wooten, Edna P., ph.d., Physical Education
Wright, C. R. B., ph.d., Mathematics
Zach, J., Art
Zaninovich, M. G., ph.d., Political Science
Zeigler, L. H., ph.d., Political Science
Zweig, A., ph.d., Philosophy

Attached Institutes:

Institute for Community Art Studies: Dir. June K. McKee, ed.d.
Institute for Social Science Research: Dir. John Orbell, ph.d.
Institute of Molecular Biology: Dir. Peter H. von Hippel, ph.d.
Institute of Theoretical Science: Dir. Paul L. Gonka, ph.d.
Oregon Institute for Land Use Research: Dir. Jerome Diethelm, m.l.arch.
Oregon Institute of Marine: Dir. Paul P. Rudy, ph.d.
Solar Energy Center: Dir. John S. Reynolds, m.arch.

UNIVERSITY OF OREGON HEALTH SCIENCES CENTER

PORTLAND, OREGON 97201

President: Dr. L. W. Bluemle, Jr.

UNIVERSITY OF PORTLAND

5000 N. WILLAMETTE BLVD.,
PORTLAND, OREGON 97203
Telephone: 283-7911.
Founded 1901.

Private control; language of instruction: English; academic year: September to May (two terms and summer session).

President: Raphael Wilson, c.s.c.
Executive and Financial Vice-President: Arthur A. Schulte.
Academic Vice-President: George C. Bernard.
Registrar: Francis G. Morgan.
Librarian: Joseph P. Browne, c.s.c.

The library contains 170,000 vols.

Number of teachers: 140, including 16 full professors.

Number of students: 2,525.

Publications: *The Bulletin*, *The Log*, *The Beacon*†, *The Dedalus*†, *The Review*†.

Deans:

Graduate School: E. A. Hayes.
College of Arts and Sciences: Richard F. Berg.
School of Business Administration: Kent Collings.
School of Nursing: Miss Patricia Chadwick.
School of Engineering: Thomas J. Nelson.
School of Education: E. A. Hayes.

Professors:

Anderson, J. G., Chemistry
Bonhorst, C. W., Chemistry
Collings, K., Business Administration
Covert, J. T., History
De La Mare, P. R., Music
Hayes, E., A., Education
Kehoe, J. A., Economics
Kennedy, P. W., History
Macias, M. J., Spanish
Mayr, F. K., Philosophy
Pereyra, L. A., History
Robinson, M. D., Psychology
Schulte, A. A., Business Administration
Stauffer, H. M., Education
Wack, P. E., Physics
Wilson, R., Biology

WARNER PACIFIC COLLEGE

2219 S.E. 68th AVENUE,
PORTLAND, OREGON 97215
Telephone: 775-4366.
Founded 1937.

President: E. Joe Gilliam.
Registrar: Dale W. Mark.
Director of Admissions: Mark Deffenbacher.
General Library Administrator: William Orr.

The library contains 52,811 vols.
Number of teachers: 38.
Number of students: 649.

WILLAMETTE UNIVERSITY

SALEM, OREGON 97301
Telephone: (503) 370-6300.

President: Robert P. Lisensky.
Registrar: James Woodland.
Librarian: Patricia Stockton.

Number of teachers: 114 (full-time).
Number of students: 1,750.

Publications: *Willamette University Bulletin, College of Law Bulletin, Willamette Scene, Willamette College of Law Journal.*

Deans:

College of Liberal Arts: William G. Berberet.
College of Law: Larry K. Harvey.
George H. Atkinson Graduate School of Administration: D. Jay Doubleday.

PENNSYLVANIA

ALBRIGHT COLLEGE

READING, PENNSYLVANIA 19604
Telephone: (215) 921-2381.
Founded 1856.

President: Dr. Arthur L. Schultz.
Director of Admissions: Dale H. Reinhart.
Librarian: Dr. Mary E. Stillman.

The library contains 135,000 vols.
Number of teachers: 92.
Number of students: 1,277.

ALLEGHENY COLLEGE

MEADVILLE,
PENNSYLVANIA 16335
Founded 1815.

President: Lawrence L. Pelletier, ph.d.
Treasurer: Larry J. Yartz, m.a.
Business Manager: R. M. Maddy, a.m.
Registrar: Elizabeth R. Allen, m.ed.
Secretary: Blair Hanson, m.a., ph.d.
Librarian: Margaret L. Moser, m.s., m.a.

The library contains 225,201 vols.

Number of teachers: 124, including 33 professors.

Number of students: 1,800.

Publications: *Campus, Bulletin, Kaldron, Literary Magazine.*

Deans:

Instruction: J. E. Helmreich, m.a., ph.d.
Students: Don Colvill Skinner, d.s.s.
Associate Students: Ruth W. Knights, a.b., Charles Woodard, m.s.

ALLIANCE COLLEGE

CAMBRIDGE SPRINGS,
PENNSYLVANIA 16403
Telephone: (814) 398-4611.
Founded 1912.

President: Herman A. Szymanski.
Registrar: Mrs. Judy Carter.
Librarian: Stanley S. Kozaczka.

The library contains 85,000 vols.
Number of teachers: 25.
Number of students: 231.

BEAVER COLLEGE

GLENSIDE,
PENNSYLVANIA 19038
Founded 1853.

President: Edward D. Gates, b.d., ph.d., ll.d.
Vice-Presidents: D. M. Gray, ph.d., Frances H. Lewis, b.a.
Registrar: Harold W. Stewart, m.a.
Dean of Admissions: T. Edwards Townsley, b.s.
Treasurer: William E. James, b.s.
Librarian: R. McWhinney, m.s.l.s.

The library contains 115,400 vols.

Number of teachers: 112, including 15 professors.

Number of students: 1,849.

Publications: *The Catalog, Beaver Bulletins, Beaver College Herald.*

Deans:

College: Bette E. Landman, ph.d.
Graduate Studies: Norman A. Miller, ed.d.

BLOOMSBURG STATE COLLEGE

BLOOMSBURG,
PENNSYLVANIA 17815
Telephone: (717) 389-2111.
Founded 1839.

Courses in Arts and Sciences, Business, Teacher Education, Nursing and Medical Technology.

President: J. H. McCormick.
Registrar: R. L. Bunge.
Librarian: W. O. Ryan.

The library contains 282,416 vols.
Number of teachers: 312.
Number of students: 6,400.

BRYN MAWR COLLEGE

BRYN MAWR,
PENNSYLVANIA 19010
Incorporated 1885.

President: Harris Llewellyn Wofford, Jr., b.a., j.d.
Director of Admissions: Elizabeth Vermey, m.a.
Comptroller: P. W. Klug, c.p.a., b.s.
Librarian: James R. Tanis, d.th.
Administrator of Records and Financial Aid: Julie E. Painter, a.b.

The library contains 435,000 vols.

Number of students: 965 undergraduate, 636 graduates, total 1,601.

Deans:

Graduate School of Arts and Sciences: Phyllis P. Bober, ph.d.
School of Social Work and Social Research: B. Ross, ph.d.

BUCKNELL UNIVERSITY

LEWISBURG,
PENNSYLVANIA 17837
Telephone: (717) 523-1271.
Founded 1846.

President: Dr. G. Dennis O'Brien.
Provost: Dr. W. I. Smith.
Vice-President for Administration and Finance: J. F. Zeller.
Vice-President for Development: John Wellington.
Librarian: G. M. Jenks.

The library contains 400,000 volumes.

Number of teachers: 217 full-time, 40 part-time, 63 professors.

Number of full-time students: 3,200.

Publications: *Catalogue, Bucknellian, L'Agenda, Handbook, Tristram, Bucknell Engineer, Bucknell Review, Bucknell World.*

Deans:

College of Arts and Sciences: Dr. R. H. Chambers, III.
College of Engineering: Dr. G. H. Keitel.
Student Affairs: Dr. J. P. Dunlop.

CALIFORNIA STATE COLLEGE

CALIFORNIA, PENNSYLVANIA 15419
Telephone: (412) 938-4000.
Founded 1852.

President: John Pierce Watkins.
Director of Admissions: Richard H. Webb (acting).
Registrar: Allen G. Welsh.
Director of Library Services: William L. Beck.

The library contains 434,000 vols. (211,000 microform).

Number of teachers: 335.
Number of students: 4,250.

Publications: *Contribution to Scholarship*† (annual), *Undergraduate Catalog*† (2 a year), *Graduate Catalog*† (2 a year).

Deans:

School of Arts and Sciences: Dr. Philip Y. Coleman.
School of Education: William R. Benedetti.
School of Graduate Studies: Stephen Pavlak.

CARLOW COLLEGE

3333 FIFTH AVE., PITTSBURGH,
PENNSYLVANIA 15213
Telephone: (412) 683-4800.
Founded 1929.

President: Sister Jane Scully, R.S.M.
Director of Admissions: John Hine.
Director of Continuing Education: Mary Cay Conroy.
Dean of the Faculty: Dr. T. A. Hopkins.
Librarian: Victoria Frowine.

The library contains 102,062 vols.
Number of teachers: 90.
Number of students: 871.

CARNEGIE-MELLON UNIVERSITY

5000 FORBES AVENUE,
PITTSBURGH,
PENNSYLVANIA 15213
Telephone: (412) 578-2000.
Founded 1900.

Private control; Academic year: September to May.

President: R. M. Cyert, Ph.D.
Vice-President for Academic Affairs and Provost: E. R. Schatz, M.S., D.Sc.
Provost: A. R. Weber, Ph.D.
Vice-President for Management: R. L. Van Horn, Ph.D.
Director of University Libraries: R. Corrigan, B.S. in L.S.

The library contains 572,765 vols.
Number of teachers: 428.
Number of students: 5,311.

Deans and Directors:

Carnegie Institute of Technology: H. L. Toor, Ph.D.
College of Fine Arts: A. Midani, M.A.
College of Humanities and Social Sciences: J. P. Crecine, Ph.D.
Graduate School of Industrial Administration: R. S. Kaplan, Ph.D.
Mellon Institute of Science: Daniel Berg, Ph.D.
School of Urban and Public Affairs: O. A. Davis, Ph.D.
Dean of Student Affairs: E. R. Swank, M.A.
Hunt Institute for Botanical Documentation: Robert W. Kiger, Ph.D.

Full Professors:

Mellon Institute of Science:
Artman, J. O., A.M., Ph.D., Physics and Electrical Engineering
Askhin, J., Ph.D., Physics
Berger, L., Ph.D., Physics
Berry, G. C., Ph.D., Polymer Science
Blank, A. A., Ph.D., Mathematics
Bothner-By, A. A., Ph.D., Chemistry
Caretto, A. A., Ph.D., Chemistry
Carlin, R. B., Ph.D., Chemistry
Cassassa, E. F., Ph.D., Chemistry
Castellano, S. M., Biophysical Chemistry
Coffman, C. V., Ph.D., Mathematics
Coleman, B. D., M.A., Ph.D., Mathematics
Conroy, H., Ph.D., Chemistry
Cutkosky, R. E., M.S., Ph.D., Physics
Dadok, J., M.Sc., Ph.D., Chemistry
De Benedetti, S., D.Sc., Physics
Duffin, R. J., Ph.D., Mathematics
Edelstein, R. M., Ph.D., Physics
Engler, A., Ph.D., Physics
Fetkovich, J. G., Ph.D., Physics
Fix, G. J., M.S., Ph.D., Mathematics
Fox, J. G., M.S., Ph.D., Physics
Friedberg, S. A., M.S., D.Sc., Physics
Goldman, R. D., Ph.D., Biological Sciences
Griffiths, R. B., Ph.D., Physics
Gurtin, M. E., Ph.D., Mathematics
Habermann, A. N., Ph.D., Computer Science
Kaplan, M., Ph.D., Chemistry
Kay, R. L., Ph.D., Chemistry
Kisslinger, L., Ph.D., Physics
Kohman, T. P., Ph.D., Chemistry
Kolodner, I. I., Ph.D., Mathematics
Kraemer, R. W., Ph.D., Physics
Langer, J. S., Ph.D., Physics
Levine, M. J., Ph.D., Physics
MacCamy, R. C., Ph.D., Mathematics
Markovitz, H., M.A., Ph.D., Chemical Physics
Mizel, V. J., Ph.D., Mathematics
Moore, R. A., A.M., Ph.D., Mathematics
Murphy, A. T., M.S., Ph.D., Mechanical Engineering
Nagle, J. F., Ph.D., Physics
Newell, A., Ph.D., Systems and Communication Sciences
Noll, W., Ph.D., Mathematics
Owen, D. R., Ph.D., Mathematics
Pederson, R. N., Ph.D., Mathematics
Pople, J. A., M.A., Ph.D., Chemical Physics
Rayne, J. A., Ph.D., Physics
Reddy, D. R., Ph.D., Computer Science
Rice, R. V., M.S., Ph.D., Biochemistry
Schaffer, J. J., Ph.D., Mathematics
Schumacher, R. T., M.S., Ph.D., Physics
Sorensen, R. A., Ph.D., Physics
Southwick, P. L., M.A., Ph.D., Chemistry
Stewart, R. F., Ph.D., Chemistry
Sutton, R. B., M.A., Ph.D., Physics
Traub, J. F., Ph.D., Computer Science
Williams, J. F., M.A., Ph.D., Biological Sciences
Wolfenstein, L., M.S., Ph.D., Physics
Wolken, J. J., M.S., Ph.D., Biophysics
Worthington, C. R., Ph.D., Physics and Chemistry
Wulf, W. A., M.S., D.Sc., Computer Science
Wyler, O., D.Sc., Mathematics
Zener, C., Ph.D., Engineering

Carnegie Institute of Technology:
Angrist, S. W., Ph.D., Mechanical Engineering
Au, Tung, Ph.D., Civil Engineering
Bauer, C. L., Ph.D., Metallurgy and Materials Science
Baumann, D. M. B., D.Sc., Mechanical Engineering
Bernstein, I. M., M.S., Ph.D., Metallurgy and Materials Science
Casasent, D., M.S., Ph.D., Electrical Engineering
Charap, S. H., Ph.D., Electrical Engineering
Cussler, E. L., Ph.D., Chemical Engineering
Director, S. W., Ph.D., Electrical Engineering
Dunlap, R. W., M.S.E., Ph.D., Metallurgy and Materials Science
Evans, D. F., Ph.D., Chemical Engineering and Chemistry
Fenves, S. J., Ph.D., Civil Engineering
Feucht, D. L., Ph.D., Electrical Engineering
Fort, T., Ph.D., Chemical Engineering
Impink, A. J., Ph.D., Nuclear Science and Engineering
Jordan, A. G., Ph.D., Electrical Engineering
Kozak, W., Ph.D., Biotechnology
Krokosky, E. M., Ph.D., Civil Engineering
Lavi, A., Ph.D., Electrical Engineering
Li, K., D.Sc., Chemical Engineering
Lupis, C. H. P., Ph.D., Metallurgy and Materials Science
Massalski, T. B., Ph.D., D.Sc., Mechanics and Polymer Science
McMichael, F. C., M.S., Ph.D., Engineering and Public Affairs
Miller, C. A., Ph.D., Chemical Engineering
Milnes, A. G., D.Sc., Electrical Engineering
Mullins, W. W., Ph.D., Metallurgy and Materials Science
Murphy, A. T., M.S., Ph.D., Mechanical Engineering
Neuman, C. P., Ph.D., Electrical Engineering
Osterle, J. F., D.Sc., Mechanical Engineering
Philbrook, W. O., B.S., Metallurgy and Materials Science
Piehler, Henry R., S.M., Sc.D., Metallurgy and Materials Science
Powers, G. J., Ph.D., Chemical Engineering
Preston, K., Ph.D., Electrical Engineering
Rice, R. A., B.A., Transportation Engineering
Romualdi, J. P., Ph.D., Civil Engineering
Rosen, S. L., Ph.D., Chemical Engineering
Rothfus, R. R., D.Sc., Chemical Engineering
Rouleau, W. T., Ph.D., Mechanical Engineering
Schatz, E. R., D.Sc., Electrical Engineering
Sekerka, R. R., Ph.D., Metallurgy and Materials Science
Shaw, M. C., Ph.D., Mechanical Engineering
Swedlow, J. L., Ph.D., Mechanical Engineering
Toor, H. L., Ph.D., Chemical Engineering
Tsai, C. S., Ph.D., Electrical Engineering
Weinstein, A. S., Ph.D., Mechanical Engineering
Williams, J. C., Ph.D., Metallurgy and Materials Science
Wohl, M., Ph.D., Civil Engineering and School of Urban and Public Affairs

College of Fine Arts:
Anderson, B. J., M.F.A., Drama
Balada, L. I., Music
Breland, B., M.A., Painting and Sculpture
Carter, C. B., Ph.D., Painting and Sculpture
Eastman, C. M., B.Arch., Architecture, Computer Science, Urban Planning
Franklin, H., Music
Groer, W. F., M.Ed., Ph.D., Art
Highlands, D., M.Arch., Architecture
Libby, W. C., B.A., Painting and Sculpture
Nelson, W. A., M.F.A., Drama
Page, R., M.Mus., Music
Pekruhn, J. L., B.Arch., Architecture
Pickering, D., M.S., Painting and Sculpture
Rosenberg, J. L., M.A., Ph.D., Drama
Saalman, H., Ph.D., Architecture
Taylor, R. S., M.F.A., Architecture
Wilson, D. H., Art
Winsand, O. M., Ph.D., Painting

College of Humanities and Social Sciences:
Anderson, J. R., Ph.D., Psychology

Bartlett, I., m.a., ph.d., History
Beyer, B. K., m.a., ph.d., History
Chase, W. G., m.a., ph.d., Psychology
Cottrell, B. W., ph.d., English
Crecine, J. P., m.s., ph.d., Political Economy
Cyert, R. M., ph.d., Economics
Fenton, E., m.a., ph.d., History
Fowler, D. H., ph.d., History
Gregg, L. W., m.s., ph.d., Psychology and Education
Hayes, A. L., m.a., English
Hayes, J. R., a.b., ph.d., Psychology
Jonas, I. B., m.a., Modern Languages
Joseph, M. L., ph.d., Economics and Industrial Administration
Klahr, D., m.s., ph.d., Psychology
Meltzer, A. H., ph.d., Economics and Industrial Administration
Moyer, K. E., m.a., ph.d., Psychology and Education
Resnick, D. P., ph.d., History
Sandberg, J. H., ph.d., Teacher Education
Schaefer, L., ph.d., History
Schoenwald, R. L., ph.d., History
Silenieks, J., ph.d., Modern Languages
Slack, R. C., ph.d., English
Stearns, P. W., ph.d., History
Steinberg, E. R., m.s., ph.d., English
Tarr, J. A., ph.d., History and School of Urban and Public Affairs
Young, R. E., ph.d., English

Graduate School of Industrial Administration:
Balas, E., ph.d., Industrial Administration and Mathematics
Cyert, R. M., ph.d., Economics and Industrial Administration
DeGroot, M. H., ph.d., Statistics
Ijiri, Y., ph.d., Industrial Administration
Jeroslow, R. G., ph.d., Industrial Administration and Mathematics
Joseph, M. L., ph.d., Economics and Industrial Administration
Kadane, J. B., ph.d., Statistics
Kaplan, R. S., ph.d., Industrial Administration
Kriebel, C. H., ph.d., Industrial Administration
Lave, L. B., ph.d., Economics
McGuire, T. M., m.s., ph.d., Economics and Statistics
Meltzer, A. H., ph.d., Economics and Industrial Administration
Newell, A., ph.d., Systems and Communication Sciences
Prescott, E. C., m.s., ph.d., Economics
Rosenthal, H. L., ph.d., Political Science
Simon, H. A., ph.d., Administration and Psychology
Thompson, G. L., ph.d., Industrial Administration and Mathematics
Weber, A. R., ph.d., Economics and Public Policy

School of Urban and Public Affairs:
Blumstein, A., ph.d., Operations Research
Davis, O. A., m.a., ph.d., Economics
Johnson, N. J., ph.d., Social Policy
Kortanek, K. O., ph.d., Operations Research
Leinhardt, S., ph.d., Sociology
Ordeshook, P., ph.d., Political Science

CEDAR CREST COLLEGE

ALLENTOWN,
PENNSYLVANIA 18104
Telephone: (215) 437-4471.
Founded 1867.

President: Dr. Gene S. Cesari.
Director of Admissions: Robin M. Huss.
Librarian: P. A. Sacks.

The library contains 108,000 vols.

Number of teachers: 65.
Number of students: 700 women.

Publications: *Alumnae Magazine*†, *Commentary*† (4 times a year), *Catalog and Information Brochure*†.

CHATHAM COLLEGE

PITTSBURGH,
PENNSYLVANIA 15232
Telephone: (412) 441-8200.
Founded 1869.

President: Alberta Arthurs.
Director of Admissions: Marilyn Kimball.
Librarian: Peggy Porter.

The library contains 110,000 vols.
Number of teachers: 62.
Number of students: 600.

CHESTNUT HILL COLLEGE

PHILADELPHIA,
PENNSYLVANIA 19118
Telephone: (215) 247-4210.
Founded 1871.

President: Sister Mary Xavier, s.s.j.
Registrar: Sister Grace Margaret, s.s.j.
Librarian: Sister Regina Maria, s.s.j.

The library contains 92,000 vols.

Number of teachers: 94.
Number of students: 645.

CHEYNEY STATE COLLEGE

CHEYNEY, PENNSYLVANIA 19319
Telephone: (215) 399-6880.
Founded 1837.

President: Dr. Wade Wilson.
Director of Admissions: C. M. Roulhac.
Librarian: Violet R. Smith.

The library contains 170,156 vols.

Number of teachers: 235.
Number of students: 2,750.

CLARION STATE COLLEGE

CLARION, PENNSYLVANIA 16214
Telephone: (814) 226-6000.
Founded 1867.

President: Dr. Clayton L. Sommers.
Director of Admissions: John Shropshire.
Librarian: D. Graves.

The library contains 283,000 vols.
Number of teachers: 300.
Number of students: 4,700.

THE CURTIS INSTITUTE OF MUSIC

1726 LOCUST ST.,
PHILADELPHIA,
PENNSYLVANIA 19103
Founded 1924.

President: A. Margaret Bok.
Director: John de Lancie.
Treasurer: Robert P. Hauptfuhrer.
Secretary: Marian D. Eichman.
Registrar: Gisela Klein.
Librarian: Ann Viles.

Number of students: 152.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

DOYLESTOWN,
PENNSYLVANIA 18901
Telephone: (215) 345-1500.
Founded 1896.

President: Joshua Feldstein.
Registrar: Oskar Larsson.
Director of Admissions: H. William Craver.
Librarian: Constance Shook.

The library contains 71,584 vols.

Number of teachers: 80.

Number of students: 1,339.

DICKINSON COLLEGE

CARLISLE,
PENNSYLVANIA 17013
Founded 1773.

President: Sam A. Banks, ph.d.
Treasurer: James M. Nicholson, b.a.
Registrar: Ronald E. Doernbach, b.a.
Librarian: D. H. Cieslicki, m.s. in l.s.

Number of teachers: 126, including 116 professors.

Number of students: 1,690.

Publications: *Catalogue, The Dickinson Alumnus.*

Deans:

Faculty: George J. Allan, ph.d.
Students: Leonard S. Goldberg, ph.d.
Residential Services: R. Bruce Wall, m.a.
Special Programs: Mary Watson Carson, m.a.

DREXEL UNIVERSITY

32nd and CHESTNUT STS.,
PHILADELPHIA,
PENNSYLVANIA 19104
Founded 1891 as Institute of Technology.

President: William W. Hagerty, m.s., ph.d., sc.d.
Registrar: J. W. Neal, Jr., b.s. in m.e.
Librarian: R. L. Snyder, m.a.
Curator: Geraldine P. Staub.

The library contains 425,000 vols.

Number of teachers: 315 full-time.
Number of students: 11,063.

Deans:

Business and Administration College: P. E. Dascher, ph.d.
Engineering College: R. Woodring, ph.d.

Nesbitt College: MARJORIE E. RANKIN, M.S.
School of Library and Information Science: G. G. GARRISON, PH.D.
Evening College: S. J. GWIAZDA, M.S. IN M.E.
College of Science: F. K. DAVIS, PH.D.
College of Humanities and Social Science: R. G. HALLWACHS, PH.D.

THE DROPSIE UNIVERSITY

BROAD AND YORK STREETS,
PHILADELPHIA,
PENNSYLVANIA 19132
Telephone: 229-0110.

Founded 1907 as College, attained University status 1969.

President: LEON J. PERELMAN.
Registrar: PATRICIA DILUCIDO.
Librarian: YEHUDA KOMLOSH.

The library contains 115,000 volumes.
Number of teachers: 12.
Number of students: 75.

Publications: *Jewish Quarterly Review, Apocrypha* (series).

DUQUESNE UNIVERSITY

600 FORBES AVE.,
PITTSBURGH,
PENNSYLVANIA 15219
Telephone: (412) 434-6000.

Founded 1878; Chartered 1911.
Private control.

President: Rev. HENRY J. MCANULTY, D.ED., C.S.SP.
Vice-President for Finance: Rev. JOSEPH A. DUCHENE, C.S.SP.
Academic Vice-President: Rev. EDWARD L. MURRAY, PH.D., C.S.SP.
Vice-President for Student Services: (vacant).
Director of University Relations: (vacant).
University Secretary: Rev. CHARLES J. FENNER, PH.D., C.S.SP. (acting).
Registrar: THOMAS F. BAILEY.
Librarian: PAUL J. PUGLIESE, M.L.S.

The library contains 330,383 vols. (law library 64,165 vols.).

Number of teachers: 296 full-time, 166 part-time.

Number of students: 7,124.

DEANS:

College of Liberal Arts and Sciences: J. A. MCCULLOCH, PH.D.
Graduate School: OSCAR GAWRON, PH.D.
School of Business Administration: B. J. KOLASA, PH.D.
School of Education: JACK LIVINGSTON, PH.D.
School of Law: R. R. DAVENPORT, LL.M.
School of Music: R. F. EGAN, PH.D.
School of Nursing: ROSEMARIE R. PARSE, R.N., PH.D.
School of Pharmacy: B. D. MARTIN, PH.D.
Institute of African Affairs: Rev. J. L. VARGA, C.SP., M.ED.
Institute of Man: Rev. A. L. VAN KAAM, PH.D., C.S.SP.

EASTERN COLLEGE

ST. DAVIDS,
PENNSYLVANIA 19087
Telephone: (215) 688-3300.

Founded 1952.

President: DANIEL E. WEISS.
Vice-President and Academic Dean: F. J. BOEHLKE (acting).
Dean of Student Affairs: THEODORE J. CHAMBERLAIN.
Director of Admissions: DAVID R. MCBRIDE.
Director of Alumni and Church Affairs: JOHN W. BAXTER.
Dean of Academic Programs/Registrar: FREDERICK J. BOEHLKE.
Librarian: WILLIAM H. GUNDLAH.

The library contains 63,024 vols.
Number of teachers: 71.
Number of students: 693.

EDINBORO STATE COLLEGE

MEADVILLE STREET,
EDINBORO,
PENNSYLVANIA 16444
Telephone: (814) 732-2762.

Founded 1857.

President: Dr. CHESTER T. MCNERNEY.
Vice-President for Academic Affairs: Dr. J. E. MCKINLEY.
Dean of Admissions: HAROLD UMBARGER.
Director of Libraries: SAUL WEINSTEIN.

The library contains 350,000 volumes.
Number of teachers: 485.
umber of students: 6,500.

ELIZABETHTOWN COLLEGE

ELIZABETHTOWN,
PENNSYLVANIA 17022
Telephone: (717) 367-1151.

Founded 1899.

President: MORLEY J. MAYS, PH.D., D.D., LL.D.
Dean of the Faculty: RAYMOND R. REEDER, PH.D.
Treasurer: E. H. KURTZ, A.M.

The library contains 125,360 vols.
Number of teachers: 105.
Number of students: 1,450.

FRANKLIN AND MARSHALL COLLEGE

LANCASTER, PENNSYLVANIA 17604

Franklin College founded in 1787, Marshall College founded in 1836; merged in 1853.

President: KEITH SPALDING, A.B., LL.D.
Vice-President for Finance: PAUL R. LINFIELD, M.B.A.
Dean: RICHARD P. TRAINA, PH.D.
Vice-President for Administration: JOHN M. CLOUGH, M.A.
Vice-President for Development: JOHN A. SYNODINOS, A.B.
Librarian: PETER C. HASKELL, M.L.S.

The library contains 248,000 vols.
Number of teachers: 132.
Number of students: 1,986.

GANNON COLLEGE

109 WEST SIXTH ST., ERIE,
PENNSYLVANIA 16501
Telephone: (814) 456-7523.

Founded 1944.

President: JOSEPH SCOTTINO, PH.D.
Academic Vice-President: PAUL PETERSON, PH.D.
Registrar: WARD MCCRACKEN.
Librarian: Rev. C. J. LUBIAK.

The library contains 143,565 vols.

Number of teachers: 117 full-time, 75 part-time.

Number of students: 4,508.

GENEVA COLLEGE

COLLEGE AVENUE AND
32ND STREET, BEAVER FALLS,
PENNSYLVANIA 15010
Telephone: (412) 846-5100.

Founded 1848.

President: Dr. EDWIN C. CLARKE.
Dean: Dr. WILLIAM H. RUSSELL.
Registrar: Miss B. BURROWS.
Librarian: GERALD MORAN.

The library contains 100,000 vols.
Number of teachers: 76.
Number of students: 1,285.

GETTYSBURG COLLEGE

GETTYSBURG,
PENNSYLVANIA 17325
Telephone: (717) 334-3131.

Chartered 1832 as Pennsylvania College; name changed 1921.

President: CHARLES E. GLASSICK.
Dean: L. I. HOLDER.
Dean of Students: F. B. WILLIAMS.
Director of Admissions: D. K. GUSTAFSON.

The library contains 225,000 vols.
Number of teachers: 146.
Number of students: 1,850.

HAVERFORD COLLEGE

HAVERFORD,
PENNSYLVANIA 19041

An independent liberal arts college for men, founded in 1833 as the first American college established by the Society of Friends.

President: Robert B. Stevens, M.A., LL.M.
Vice-President for Finance and Development: S. G. Cary, M.A.
Provost: T. D'Andrea, Ph.D.
Director of Admissions: W. W. Ambler, B.A.
Dean of Students: David Potter.
Dean of Student Affairs: A. Williams, J.D.
Librarian: E. B. Bronner, Ph.D.

The library contains 320,000 vols.
Number of teachers: 64 full-time, 18 part-time.
Number of students: 850.

Publications: *Bulletin* (quarterly), *Haverford Horizons* (quarterly).

HOLY FAMILY COLLEGE

GRANT AND FRANKFORD AVENUES, PHILADELPHIA,
PENNSYLVANIA 19114
Telephone: 637-7700.

Founded 1954.

President: Sister Mary Lillian, C.S.F.N.
Director of Admissions and Financial Aid: Angela A. Godshall.
Librarian: Sister M. Kathryn, C.S.F.N.

The library contains 82,355 vols.
Number of teachers: 109.
Number of students: 1,204.

Publications: *College Catalog*†, *Familogue* (annual), *Tri-Lite*, *Logos Journal*†, *Folio*†, *College Newsletter.*

IMMACULATA COLLEGE

IMMACULATA,
PENNSYLVANIA 19345
Telephone: (215) 647-4400.

Founded 1920.

President: Sister Marie Antoine.
Registrar: Sister Dorothy Regina.
Director of Admissions: Sister Loretta Mary.
Librarian: Sister Florence Marie.

The library contains 112,000 vols.
Number of teachers: 59.
Number of students: 1,218.

INDIANA UNIVERSITY OF PENNSYLVANIA

INDIANA, PENNSYLVANIA 15705
Telephone: (412) 357-2100.

Founded 1875, as Indiana State Normal School.

State control; Academic year: September to May.

President: Dr. Robert C. Wilburn.
Academic Vice-President and Provost: Dr. B. T. Gillis.
Vice-President for Administration: B. J. Ganley.
Vice-President for Development and Finance: I. R. Lenglet.
Vice-President for Student Affairs: Dr. G. W. Murdoch.
Associate Provost: R. O. Warren.
Dean of Admissions: Dr. F. Dakak.
Director of Libraries: W. E. Lafranchi.

The library contains 484,000 vols.
Number of teachers: 669.
Number of students: 11,727.

Deans:

School of Business: Dr. E. B. Sheeder.
School of Continuing and Non-Resident Education: Dr. J. T. Ice.
School of Education: Dr. C. M. Kofoid.
School of Fine Arts: Dr. J. C. Benz.
School of Health Services: Dr. J. Chellman.
School of Home Economics: Dr. M. Kathleen Jones.
School of Natural Sciences and Mathematics: Dr. C. R. Fuget.
School of Social Sciences and Humanities: Dr. J. M. Gallanar.
School of Graduate Studies: Dr. F. G. McGovern.

KING'S COLLEGE

WILKES-BARRE,
PENNSYLVANIA 18702
Telephone: (717) 824-9931.

Founded 1946.

President: Rev. Charles D. Sherrer, C.S.C.
Registrar: Steven Seitchik (acting).
Director of Admissions: G. J. Machinchick.
Librarian: Paul Chao.

The library contains 181,023 vols.
Number of teachers: 93 (full-time).
Number of students: 2,210.

KUTZTOWN STATE COLLEGE

KUTZTOWN,
PENNSYLVANIA 19530
Telephone: (215) 683-3511.

Founded 1866.

President: Lawrence M. Stratton.
Vice-President for Academic Affairs: D. E. Dreisbach.
Vice-President for Student Affairs: F. A. Bucci.
Director of Admissions: H. Huber.
Registrar: J. Erdmann.
Librarian: J. Amrhein.

The library contains 225,295 vols.
Number of teachers: 322.
Number of students: 5,322.

Deans:

Arts and Sciences: Walter Warzeski.
Teacher Education: Henry Ryan.
Graduate Studies: Paul R. Drumm.
Academic Services and Director of Summer Sessions: J. G. Gutekunst.

LAFAYETTE COLLEGE

EASTON,
PENNSYLVANIA 18042

Founded 1826.

President: David W. Ellis, Ph.D.
Provost and Dean of the Faculty: G. G. Sause, Jr., Ph.D.
Dean of the College: W. A. Jeffers, Ph.D.
Secretary, Board of Trustees: G. C. Laub, LL.B.
Registrar: C. S. Fleck, Jr., M.B.A.
Clerk of the Faculty: W. Keck, M.A., Ph.D.
Librarian: C. L. Haselden, M.A.

The library contains 342,500 vols.
Number of teachers: 161.
Number of students: 2,000.

Publications: *Catalogue* (annual), *Mélange* (annual), *The Lafayette* (weekly), *The Alumnus* (quarterly), *The Marquis* (annual), *The Alumni News* (quarterly).

LA SALLE COLLEGE

20TH AND OLNEY AVENUE,
PHILADELPHIA,
PENNSYLVANIA 19141
Telephone: (215) 591-1000.

Founded 1863.

Undergraduate Liberal Arts and Sciences, Business Administration; Master's degree in Religious Education and Business Administration.

President: Bro. Patrick Ellis, F.S.C.
Dean of Admissions: Bro. Lewis Mullin, F.S.C.
Librarian: Bro. T. Warner, F.SC.

The library contains 250,000 vols.
Number of teachers: 350.
Number of students: Day Division 3,303, Evening Division 2,530, Graduate Division 582.

LEBANON VALLEY COLLEGE

ANNVILLE,
PENNSYLVANIA 17003
Telephone: (717) 867-4411.

Founded 1866.

President: Dr. Frederick P. Sample.
Registrar: Dr. R. Shay.
Director of Admissions: Gregory G. Stanson.
Librarian: W. E. Hough.

The library contains 105,000 vols.
Number of teachers: 95.
Number of students: 1,250.

LEHIGH UNIVERSITY*

BETHLEHEM,
PENNSYLVANIA 18015

Founded 1865.

President: W. D. Lewis, A.M., Ph.D., M.A., LL.D., L.H.D.
Vice-President and Provost: A. C. Zettlemoyer, M.S., Ph.D., Sc.D.
Vice-President for Administration: R. M. Spriggs, Ph.D.
Vice-President for Student Affairs: P. Parr, M.S.
Vice-President for Research: J. F. Libsch, Ph.D.
Dean of Students: C. W. Brennan, M.B.A.

Vice-President and Treasurer: E. W. GLICK, B.A.
Registrar: J. H. WAGNER, M.A.
Director of Libraries: J. D. MACK, M.A.

The library contains 565,000 volumes.
Number of teachers: 374.
Number of students: 6,200.

Publications: *Graduate Catalogue, University Catalogue, Annual Report,* etc.

DEANS:

College of Arts and Science: JOHN W. HUNT, PH.D.
College of Business and Economics: B. G. BROCKWAY, LL.M.
College of Engineering: J. J. KARAKASH, M.S.
Graduate School: R. D. STOUT, M.S., PH.D.
School of Education: J. A. STOOPS, ED.D.

* No reply received to our questionnaire this year.

LINCOLN UNIVERSITY

PENNSYLVANIA 19352
Telephone: (215) 932-8300.
Founded 1854.

President: Dr. HERMAN R. BRANSON.
Vice-President for Academic Affairs: Dr. CHARLES WADE.
Vice-President for Fiscal Affairs and Treasurer: DONALD L. MULLETT.
Vice-President for Development and Secretary: EARLE D. WINDERMAN.
Vice-President for Student Affairs: ROBERT L. ALBRIGHT.
Dean and Registrar: Dr. LEROY D. JOHNSON.
Librarian: EMERY WIMBISH, Jr.

The library contains 130,000 vols.
Number of teachers: 89 (full-time).
Number of students: 1,091.

LOCK HAVEN STATE COLLEGE

LOCK HAVEN,
PENNSYLVANIA 17745
Telephone: 748-5351.
Founded 1870.

President: F. N. HAMBLIN.
Director of Admissions: JOSEPH COLDREN.
Librarian: R. S. BRAVARD.

The library contains 280,000 vols.
Number of teachers: 164.
Number of students: 2,113.

LYCOMING COLLEGE

WILLIAMSPORT,
PENNSYLVANIA 17701
Telephone: 326-1951.
Founded 1812.

President: Dr. FREDERICK E. BLUMER.
Dean: Dr. J. R. JOSE.
Registrar: ROBERT J. GLUNK.
Librarian: CHARLES E. WEYANT.

The library contains 125,000 vols
Number of teachers: 80.
Number of students: 1,350.

MANSFIELD STATE COLLEGE

MANSFIELD,
PENNSYLVANIA 16933
Telephone: (717) 662-2114.
Founded 1857.

President: Dr. DONALD A. DARNTON (acting).
Registrar: JOHN J. MONOSKI.
Dean of Admissions: DAVID STEARNS.
Librarian: J. SIMONIS.

The library contains 180,000 vols.
Number of teachers: 200.
Number of students: 2,680 undergraduate, 260 graduate.

MARYWOOD COLLEGE

2300 ADAMS AVENUE, SCRANTON,
PENNSYLVANIA 18509
Telephone: (717) 343-6521.
Founded 1915.

President: Sister M. COLEMAN NEE, I.H.M.
Academic Vice-President: Sister ESPIRITU DEMPSEY, I.H.M.
Registrar: Sister GAUDENS OPINSKY, I.H.M.
Director of Admissions: Sister M. GABRIEL KANE, I.H.M.
Director of Library: J. P. CLARKE.

The library contains 142,164 vols.
Number of teachers: 182.
Number of students: 2,920.

MESSIAH COLLEGE

GRANTHAM,
PENNSYLVANIA 17027
Telephone: (717) 766-2511.
Founded 1909.

Private control; Academic year: September to May.

President: Dr. D. RAY HOSTETTER.
Director of Business and Finance: Dr. R. E. HAMILTON.
Dean: Dr. H. DAVID BRANDT.
Dean of Student Development: ROBERT BARR.
Registrar: Dr. D. WAYNE CASSEL.
Director of Learning Resources Center: ROGER C. MILLER.

The library contains 95,000 vols.
Number of teachers: 89.
Number of students: 1,100.

Publications: *Messiah College Catalog, Messiah College Bulletin.*

MILLERSVILLE STATE COLLEGE

MILLERSVILLE,
PENNSYLVANIA 17551
Telephone: 872-5411.
Founded 1855.

President: Dr. WILLIAM H. DUNCAN.
Registrar: G. W. BURKHARDT.
Director of Admissions: BLAIR TREASURE.
Librarian: J. S. MAINE.

The library contains 300,859 vols.
Number of teachers: 291.
Number of students: 6,181.

MORAVIAN COLLEGE

BETHLEHEM,
PENNSYLVANIA 18018
Telephone: 865-0741.

Founded 1742; men first admitted 1807.

President: HERMAN E. COLLIER, Jr., PH.D.
Vice-President and Dean of Academic Affairs: J. J. HELLER, PH.D.
Vice-President for Institutional Relations: R. P. SNYDER.
Vice-President for Administration: R. A. LANK.
Director of Development: TOM A. TENGES.
Vice-President for Seminary Affairs and Dean: WILLIAM W. MATZ, TH.M.

The library contains 141,000 vols.
Number of teachers: 79.
Number of students: 1,240.

MUHLENBERG COLLEGE

24TH AND CHEW STREETS,
ALLENTOWN,
PENNSYLVANIA 18104
Telephone: 433-3191.
Founded 1848.

President: Dr. JOHN H. MOREY.
Dean of the College: Dr. HAROLD L. STENGER.

The library contains 150,000 volumes.
Number of teachers: 100.
Number of students: 1,869.

PENNSYLVANIA COLLEGE OF OPTOMETRY

1200 WEST GODFREY AVE.,
PHILADELPHIA,
PENNSYLVANIA 19141
Telephone: (215) 424-5900.
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KELLEY, E. J., PH.D., Business Administration
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Mulay, L. N., ph.d., Solid State Science
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Rindone, G. E., ph.d., Ceramic Science
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Withall, J., ph.d.
Zafforoni, J., ed.d.

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Hoffa, H., d.ed.
Schwartz, A., m.f.a., d.ed.
Wilson, B., ph.d.

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Hylbert, K. W., m.a., ed.d., Education
Kelz, J. W., m.ed., ph.d., Education
Wellington, A. M., m.a., Counselor Education

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French, J. L., m.s., ed.d.
Games, P. A., m.a., ph.d.
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Martorana, S. V., m.a., ph.d.
Sweitzer, R. E., m.a., ph.d.
Willower, D. J., m.a., ed.d.

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Ray, E. M., m.ed., ph.d.
Shear, T. M., m.s., ed.d.
Thal, H. M., m.a., ed.d.

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George, W. E., m.m., ph.d.

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Bliesmer, E. P., m.a., ph.d.
Cartwright, G. P., ph.d.
French, J. L., m.s., ed.d.
Heilman, A. W., m.a., ph.d.
McDonald, E. T., d.ed.
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Siegenthaler, B. M., m.a., ph.d.
Smith, R. J., m.ed., ed.d.

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Gillie, A. C., m.a., ed.d.

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Mallette, M. F., m.s., ph.d.
McCarl, R. L., ph.d.
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Taylor, W. D., ph.d.

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Hibbard, E., ph.d., Biology
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Chemistry:

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Haas, C. G., m.sc., ph.d.
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Heicklen, J. P., ph.d.
Hisatune, I. C., ph.d.
Horrocks, W. de W., ph.d.
Jackman, L. M., ph.d.
Jordan, J., m.sc., ph.d.
Lampe, F. W., a.m., ph.d.
Miller, W. W., ph.d.
Olofson, R. A., m.s., ph.d.
Pray, A. R., m.s., ph.d.
Richey, H. G., Jr., m.a., ph.d.
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Shamma, M., ph.d.
Skell, P. S., m.a., ph.d.
Steele, W. A., ph.d.
Wartik, T., ph.d.
Zook, H. D., m.s., ph.d.

Mathematics:

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Armentrout, S., ph.d.
Axt, P., m.sc., ph.d.
Ayoub, C. W., a.m., ph.d.
Ayoub, R. G. D., m.sc., ph.d.
Chowla, S., m.a., ph.d.
Fine, N. J., a.m., ph.d.
Hunter, R. P., m.s., ph.d.
Jech, T. J., ph.d.
Kanwal, R. P., m.a., ph.d.
Krall, A. M., m.a., ph.d.
Petrich, M., m.s., ph.d.
Rung, D. C., m.s., ph.d.
Yood, B., m.s., ph.d.

Microbiology:

Casida, L. E., m.s., ph.d.
Lindstrom, E. S., m.s., ph.d., Bacteriology
Ludwig, E., m.s., ph.d.
Zimmerman, L. N., m.s., ph.d., Bacteriology

Physics:

Barsch, G. R., DIPL.ING., DR.RER.NAT.
Bleuler, E., M.S., D.SC.NAT.
Cutler, P. H., M.S., PH.D.
Feuchtwang, T. E., M.S., PH.D.
Fleming, G. N., PH.D.
Frankl, D. R., PH.D.
Good, R. H., Jr., PH.D.
Henisch, H. K., PH.D.
Herman, R. W., PH.D.
Kazes, E., M.S., PH.D.
Kendall, B. R. F., PH.D.
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Müller, E. W., DIPL.ING., DR.ING. HABIL., DR. RER. NAT.
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Pratt, W. W., PH.D.
Skudrzyk, E., PH.D.
Tsong, T. T., M.S., PH.D.
Vedam, K., M.SC., PH.D.
Wiggins, T. A., M.S., PH.D.

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Harkness, W. L., M.A., PH.D.
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Aerospace Engineering:

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McCormick, B. W., M.S., PH.D., P.E.
Parkin, B. R., M.S., PH.D.
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Mohsenin, N. N., M.S., PH.D.
Persson, S. P. E., M.S., PH.D.
Schroeder, M. E., M.S., PH.D.
Stephenson, K. Q., M.S., P.E.

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Tichy, J., M.SC., D.SC.
Wheeler, C. H., Jr., M.S., R.A.

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Duda, J. L., M.CH.E., PH.D.
Eagleton, L. C., M.S., D.ENG.
Engel, A. J., PH.D.
Jones, J. H., M.S., PH.D.
Kabel, R. L., PH.D., P.E.
Klaus, E. E., M.S., PH.D.
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Civil Engineering:

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McDonnell, A. J., M.S., PH.D.
Nesbitt, J. B., S.M., SC.D.
Taylor, J. I., M.S., PH.D., P.E.
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Lee, Hai-Sup, M.S., PH.D.
Lewis, J. B., M.S., PH.D.
Nisbet, J. S., M.S., PH.D.
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Volz, C., M.S., PH.D.
Young, F. J., PH.D.

Engineering Science and Mechanics:

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Hardenbergh, D. E., M.S., Engineering Mechanics
Haythornthwaite, R. M., M.S., PH.D., P.E., Engineering Mechanics
Hu, L. W., M.S., PH.D., Engineering Mechanics
Kiusalaas, J., M.S., PH.D., Engineering Mechanics
Mentzer, J. R., M.S., PH.D., Engineering Sciences
Neubert, V. H., M.S., D.ENG., Engineering Mechanics
Sharma, M. G., D.I.I.S., PH.D., Engineering Mechanics

General Engineering:

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Dyche, H. E., M.S., P.E.
Grenier, G. S., M.S.E.E., PH.D., P.E.
Kraybill, E. K., M.S.E., E.E., PH.D., P.E.
Kolesar, J., B.S., R.S.
McClung, A. R., M.S., P.E.
Prosser, D. R., M.S., P.E.
Quinn, R. G., M.S., PH.D.
Sowa, W. A., M.S.
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Industrial Engineering:

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Thuering, G. L., M.S., M.E., P.E.
Zindler, R. E., M.S., PH.D.

Mechanical Engineering:

Brickman, A. D., M.S., MECH.E., PH.D.
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Cunningham, R. G., M.S., PH.D., P.E.
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Meyer, W. E., DIPL.ING.M.E.
Moroz, W. J., M.A.SC., M.S., PH.D.
Olson, D. R., M.ENG., D.ENG., P.E
Reethof, G., M.S., D.SC.
Schmidt, F. W., M.S., PH.D.
Shearer, J. L., M.S., M.E., SC.D., P.E.
Weber, H. E., M.S., D.SC.

Nuclear Engineering:

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Kenney, E. S., PH.D.
Levine, S. H., M.S., PH.D.
Palladino, N. J., M.S., D.ENG., P.E.
Schultz, M. A., B.S.
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Studer, R. G., M.ARCH., Environmental Design
Vallance, T. R., M.A., PH.D., Human Development
Wohlwill, J. F., PH.D., Man-Environment Relations and Psychology

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Freeman, W. E., M.A., PH.D., Human Development
Guttenplan, H. L., M.S., D.P.A., Law Enforcement
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Ritti, R. R., M.S., PH.D., Organizational Behaviour

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French:

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UTECHIN, S. V., PH.D., Russian History

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GUTHRIE, G. M., PH.D.
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WOHLWILL, J. F., PH.D.

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MOSER, G. M., LIC. ÈS LETTRES, D.U.P., Romance Languages
PÉREZ, L. C., M.A., PH.D., Spanish
STABB, M. S., M.A., PH.D., Spanish
STURCKEN, H. T., M.A., PH.D., Romance Languages

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CLARKE, K. S., M.S., PH.D., Health Education
GRAY, A. R., M.ED., Physical Education
GROSS, E. A., M.S., ED.D., Physical Education
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KAMON, E., M.SC., PH.D., Applied Physiology
LUCAS, J. A., M.A., M.S., D.ED., Physical Education
LUNDEGREN, H. M., M.ED., PH.D., Physical Education
MAGNUSSON, L. I., M.A., PH.D., Physical Education
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MOREHOUSE, C. A., M.S., PH.D., Physical Education
NELSON, R. C., M.ED., PH.D., Physical Education
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SCANNELL, R. J., M.S., PH.D., Physical Education
STOEDEFALKE, K. G., M.S., PH.D., Physical Education
SYKES, C. M., M.S., Physical Education
VAN DER SMISSON, B., M.S., J.D., RE.D.
WETTSTONE, E., M.A., Physical Education

Department of Military Science:
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Department of Naval Science:
SHARTEL, Capt. H. A., U.S.N., M.S.

Department of Air Force Aerospace Studies:
GRILL, Col. A. J., M.B.A.

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Computation Center.

Institute for the Arts and Humanistic Studies.

Institute for Research on Human Resources.

Institute for Research on Land and Water Resources.

Laboratory Animal Resources.

Laboratory for Research on Animal Behavior.

Materials Research Laboratory.

Noll Laboratory for Human Performance Research.

Pennsylvania Transportation and Traffic Safety Center.

Population Issues Research.

Space Science and Engineering Laboratory.

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BROAD AND SPRUCE STREETS,
PHILADELPHIA,
PENNSYLVANIA 19102
Telephone: 893-3100.
Founded 1876.

President: THOMAS F. SCHUTTE.
Dean of Faculty: NATHAN KNOBLER.
Dean of Students: EUGENE FIXLER.
Dean of Admissions: BARBARA HEUSER.
Librarian: Mrs. HAZEL GUSTOW.

Number of teachers: 90 full-time, 65 part-time.

Number of students: 1,000 day, 550 evening.

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE

43RD ST. AND KINGSESSING MALL,
PHILADELPHIA,
PENNSYLVANIA 19104
Founded 1821.

President: JOHN V. BERGEN, PH.D.

Dean of Faculty: Daniel A. Hussar, Ph.D.
Associate Dean for Research and Graduate Studies: G. Victor Rossi, Ph.D.
Associate Dean for Science: Alfonso R. Gennaro, Ph.D.
Dean of Students: Nathan Rubin, Ph.D.
Financial Aid Officer: Beverly S. Triestman, B.A.
Registrar: Richard C. Kent, Ed.M.
Director of Business Affairs: George B. Provost, B.S.
Comptroller: William F. Connolly, Jr., C.P.A.
Director of Development: Robert S. King, B.A.
Librarian: Elizabeth W. J. Chase, M.S.

The library contains 66,000 vols.
Number of students: 1,113.

Directors:

Biological Sciences: G. Victor Rossi, Ph.D.
Chemistry: Alfonso R. Gennaro, Ph.D.
Clinical Programs: John A. Gans, Pharm.D.
Languages and Social Sciences: Beauveau Borie IV, Ph.D.
Mathematics and Physics: Bernard J. Brunner, Ph.D.
Medical Technology: Ara Der Marderosian, Ph.D.
Pharmacy: Maven J. Myers, Ph.D.

PHILADELPHIA COLLEGE OF TEXTILES AND SCIENCE

PHILADELPHIA,
PENNSYLVANIA 19144
Telephone: VI 3-9700.
Founded 1884.

President: Donald B. Partridge, B.S., Ed.M. (acting).
Vice-President of Administration: (vacant).
Director of Admissions: M. R. Linn, B.A., M.S., Ed.D.
Registrar: P. H. Kerstetter, M.S.

Number of teachers: 92.
Number of students: 2,064.
Publication: *Textile Engineer.*

ROSEMONT COLLEGE

ROSEMONT,
PENNSYLVANIA 19010
Telephone: (215) 527-0200.
Founded 1921.

Catholic liberal arts college for women.

President: Sister Ann M. Durst, S.H.C.J.
Registrar: Miss Patricia Ponticello.
Director of Admissions: Mrs. Michele Carlino Lutzow.
Librarian: Sister Mary Dennis Lynch, S.H.C.J.

The library contains 123,683 vols.
Number of teachers: 80.
Number of students: 520 full-time, 144 part-time.

SAINT FRANCIS COLLEGE

LORETTO, PENNSYLVANIA 15940
Telephone: (814) 472-7000.
Founded 1847.

President: Rev. Christian Oravec, T.O.R.
Executive Vice-President: Rev. Gervase Cain.
Vice-President for College Relations: Rev. Vincent Negherbon, T.O.R.
Vice-President for Academic Affairs: Dr. John Willoughby.
Controller: Frank Kuzemchak.
Librarian: Margaret Tobin.

The library contains 139,678 vols.
Number of teachers: 83.
Number of students: 1,502.

SAINT JOSEPH'S COLLEGE

54th St. and City Ave.,
PHILADELPHIA,
PENNSYLVANIA 19131
Telephone: (215) 879-7300.
Founded 1851.

Degree courses in the Liberal Arts, Science, Business Administration and Military Management Studies.

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Director of Admissions: Rev. J. W. Moore, S.J.
Academic Vice-President: Dr. Richard H. Passon.
Registrar: William P. Lyons.
Deans: Rev. Thomas F. Gleeson, S.J., Richard J. George.
Librarian: Josephine Savaro.

The library contains 167,000 vols.

Number of teachers: 138 full-time, 152 part-time.

Number of students: 2,411 day, 3,500 evening.

SAINT VINCENT COLLEGE

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Founded 1846.

President: Rev. Cecil G. Diethrich.
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Registrar: Miss Mary Ellen Bayuk.
Librarian: Rev. F. R. Shoniker.

The library contains 252,201 vols.
Number of teachers: 90.
Number of students: 988.

SETON HILL COLLEGE

GREENSBURG,
PENNSYLVANIA 15601
Telephone: (412) 834-2200.
Founded 1883.

President: Miss Eileen Farrell.
Director of Admissions: Sister Jean Boggs.
Director of Library: Sister Mary Ronald Madden.

The library contains 71,100 vols.

Number of teachers: 51 full-time, 26 part-time.

Number of students: 936.

SHIPPENSBURG STATE COLLEGE

SHIPPENSBURG,
PENNSYLVANIA 17257
Telephone: (717) 532-9121.
Founded 1871.

President: Gilmore B. Seavers.
Vice-President (Academic Affairs): H. Erik Shaar.
Vice-President (Administration): (vacant).
Vice-President (Student Personnel): John E. Hubley.
Dean of Admissions: A. Drachbar.
Librarian: Kay R. McFarland.

The library contains 300,000 vols. and 215,000 vols. in microform.

Number of teachers: 281.
Number of students: 6,041.

SLIPPERY ROCK STATE COLLEGE

SLIPPERY ROCK,
PENNSYLVANIA 16057
Telephone: (412) 794-2510.
Founded 1889.

President: Dr. Lawrence Park.
Vice-President for Academic Affairs: Dr. Robert N. Aebersold (acting).
Vice-President for Administrative Affairs: Dr. Stephen Hulbert.
Vice-President for Student Affairs: Dr. C. R. Storch.
Registrar: Joseph C. Marks.
Director of Admissions: T. L. Nesbit.
Director of Public Information Services: Pamela J. W. Shingler.
Director of Library Services: William W. Garton.

The library contains 406,750 vols.
Number of teachers: 365.
Number of students: 6,299.

Deans:

School of Humanities and Fine Arts: Dr. Jerome F. O'Malley (acting).
School of Natural Sciences and Mathematics: Dr. Michael A. Wartell (acting).
School of Social and Behavioural Sciences: Dr. Paul F. Rizza (acting).
Education: Dr. B. W. Walker.
School of Health, Physical Education and Recreation: Martha Haverstick (acting).
Graduate School: Dr. R. A. Lowry.
Summer School: Joseph C. Marks.

SUSQUEHANNA UNIVERSITY

SELINSGROVE,
PENNSYLVANIA 17870
Telephone: 374-2345.
Founded 1858.

President: Dr. Jonathon C. Messerli.
Dean of Admissions: Paul W. Beardslee.
Librarian: J. B. Smillie.

The library contains 101,000 vols.

Number of teachers: 107.
Number of students: 1,430.

Publication: *Susquehanna University Studies*†.

SWARTHMORE COLLEGE

SWARTHMORE,
PENNSYLVANIA 19081

Founded 1864 by members of the Religious Society of Friends.

President: Theodore W. Friend III, PH.D.
Vice-President: K. Landis, M.A.
Registrar: Gilmore Stott, M.A., PH.D.
Provost: Harold E. Pagliaro, PH.D.
Librarian: Michael Durkan, DIP. IN LIB. TRAINING.

The library contains 511,000 vols.

Number of teachers: 137.
Number of students: 685 men, 594 women.

Publication: *Bulletin*.

TEMPLE UNIVERSITY

BROAD ST. AND
MONTGOMERY AVE.,
PHILADELPHIA,
PENNSYLVANIA 19122
Telephone: 787-7000.
Founded 1884.

President: Marvin Wachman, PH.D., LL.D., D.H.L.
Director of Admissions: R. Kenneth Haldeman, M.S.
Librarian: Arthur T. Hamlin, B.S.L.S.

Library of *c.* 1,000,000 vols.

Number of teachers: *c.* 3,000.
Number of students: 33,000.

Publications: *Law Quarterly*, *The American Journal of Legal History*, *Alumni Review*, *Journal of Economics and Business*, etc.

THIEL COLLEGE

GREENVILLE,
PENNSYLVANIA 16125
Telephone: (412) 588-7700.
Founded 1866.

President: Louis T. Almén, PH.D.
Academic Dean: Omro M. Todd, PH.D.
Vice-President for Student Services: Robert E. Lenkner.
Vice-President for Development: G. Wickerham.
Vice-President for Fiscal Affairs: Robert A. Eck.
Director of Admissions: John R. Hauser.
Librarian: Douglas J. Cerroni.

The library contains 176,000 vols.

Number of teachers: 61.
Number of students: 1,045.

UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA,
PENNSYLVANIA 19104
Telephone: (215) 243-5000.
Founded 1740.

Private control; Academic year: September to May, and two six-week summer terms.

President: M. Meyerson, A.B., M.C.P., LL.D.
Provost: E. Stellar, M.S., PH.D.
Vice-Presidents: T. W. Langfitt, B.A., M.D., H. E. Manley, A.B., P. O. Gaddis, M.S., M.IND.MGT., E. C. Sweeten, B.S. IN ECON., W. G. Owen, M.S.ED., F. A. Shabel, B.A.
Associate Provost: John N. Hobstetter, SC.D.
Vice-Provosts: D. N. Langenberg, M.S., PH.D., Patria A. McFate, PH.D.
Secretary: Donald T. Sheehan, B.S. IN EDUC.
Treasurer: H. E. Manley, A.B.
Registrar: D. R. Dickson, A.M.
Librarian: R. De Gennaro, A.M., M.S.L.S.

Library: *see* Libraries.

Number of teachers: 4,722.
Number of students: 20,538.

Publications: *American Journal of Anatomy* (monthly), *American Journal of Physical Anthropology* (bi-monthly), *American Quarterly*, Biological Abstracts (bi-monthly), *Expedition* (quarterly), *Hispanic Review* (quarterly), *Journal of Anatomical Record* (monthly), *Journal of Cellular Physiology* (bi-monthly), *Journal of Comparative Neurology* (monthly), *Journal of Experimental Zoology* (monthly), *Journal of Morphology* (monthly), *Journal of Nutrition* (monthly), *Journal of Social Work* (annually), *Library Chronicle* (biannually), *Morris Arboretum Bulletin* (quarterly), *Orbis* (quarterly), *Penn Dental Journal* (monthly), *Pennsylvania Gazette* (8 issues yearly), *Pennsylvania Triangle* (monthly), *Teratology* (quarterly), *University Bulletin* (19 issues yearly), *U.P. Law Alumni Journal* (quarterly), *Veterinary Extension Quarterly*, *Wharton Quarterly*.

DEANS AND DIRECTORS:

Faculty of Arts and Sciences: V. Gregorian, PH.D.
Wharton School: D. C. Carroll, M.S., PH.D.
Wharton Graduate Division: S. R. Sapienza, PH.D. (Director).
School of Medicine: E. J. Stemmler, M.D.
School of Veterinary Medicine: R. R. Marshak, D.V.M.
School of Nursing: D. A. Mereness, ED.D.
School of Allied Medical Professions: E. Michels, M.A.
College of Engineering and Applied Science: A. E. Humphrey, M.S., PH.D.
Law School: L. Pollak, A.B., LL.B.
Graduate School of Fine Arts: P. F. Shepheard, B.ARCH.
Graduate School of Education: D. H. Hymes, PH.D.
School of Social Work: L. T. Shoemaker, D.S.W.
Annenberg School of Communications: G. M. Gerbner, PH.D.
School of Public and Urban Policy: Almarin Phillips, PH.D.
College of General Studies: (vacant).
Evening School of Accounts and Finance: R. L. MacDonald, B.S.ECON., M.B.A. (Director).
Summer Sessions: (vacant).
Dean of Admissions and Student Financial Aid: Stanley E. Johnson, A.B., TH.B.

DEPARTMENT HEADS:

Asbury, A. K., M.D., Neurology
Austrian, R., M.D., Research Medicine
Baltzell, G. D., PH.D., Sociology
Baum, S., M.D., Radiology
Bedrosian, S. D., PH.D., Systems Engineering
Bernstein, L. F., PH.D., Music
Brady, J. P., M.D., Psychiatry
Breedis, C., M.D., Pathology
Bright, H. J., PH.D., Biochemistry and Biophysics (acting)
Brown, R., PH.D., Medical Technology
Carlin, E. J., M.S., SC.D., Physical Therapy
Chance, B., PH.D., Biophysics in Medicine
Colantoni, C. S., PH.D., M.S., Accounting
Conarroe, J., PH.D., English
Cortner, J. A., M.D., Paediatrics
Daly, L. W., PH.D., Classical Archaeology
DeCani, J. S., PH.D., Statistics
Detweiler, D. K., V.M.D., Comparative Medical Sciences
Eisenberg, L., PH.D., Energy Management and Policy
Frayer, W., M.D., Ophthalmology
Frey, F. W., PH.D., International Relations
Ginsberg, R., PH.D., Public Policy Analysis
Glassie, H. H., III, M.A., PH.D., Folklore and Folklife
Goodenough, W. H., PH.D., Anthropology
Goodman, C. S., PH.D., Marketing
Gots, J. S., PH.D., Microbiology in Medicine
Gurnsey, L., D.D.S., Oral Surgery
Hammond, B. F., D.D.S., PH.D., Microbiology in Dentistry
Harker, R. I., PH.D., Geology
Hurst, G. E., PH.D., Decision Sciences
Isaacson, D., D.D.S., Restorative Dentistry
Isard, W., PH.D., Peace Science
Jerge, C., D.D.S., PH.D., Dental Care Systems
Joshi, A. K., PH.D., Computer and Information Science
Kahn, C. H., PH.D., Philosophy
Katz, S., D.D.S., Paediatric Dentistry
Kempin, F. G., Jr., J.D., Business Law
Koelle, G. B., M.D., PH.D., Pharmacology

KRITCHEVSKY, D., PH.D., Molecular Biology
LAIRD, C., PH.D., Metallurgy and Materials Science
LISKER, L., PH.D., Linguistics
LLOYD, A. L., PH.D., Germanic Languages
LUBIN, J. F., M.S., PH.D., Management
MACKDISI, G., PH.D., Oriental Sciences
MANSON, L. A., PH.D., Immunology
MASTROIANNI, L., M.D., Obstetrics and Gynaecology
MCCLEARY, P., B.SC., Architecture
MCGILL, D. M., PH.D., Business and Applied Economics
MCHARG, I. L., M.L.A., M.C.P., Landscape Architecture
MELLMAN, W. J., M.D., Human Genetics
MILLER, L. D., M.D., Surgery
MOSSMAN, E. D., J.D., PH.D., Slavic Languages
MUHLY, J., PH.D., Ancient History
MURPHEY, M. G., PH.D., American Civilization
MYERS, A. L., PH.D., Chemical Engineering
NACHMIAS, J., PH.D., Psychology
NOORDERGRAAF, A., PH.D., Bioengineering
OLIET, S., D.D.S. ,Endodontics
PALMER, R. E. A., PH.D., Classical Studies
PAUL, B., PH.D., Mechanical Engineering and Applied Mechanics
PERLMUTTER, D. D., D.ENG., Chemical and Biochemical Engineering
PERLMUTTER, H. V., PH.D., Multinational Enterprise
RALSTON, E. L., M.D., Orthopaedic Surgery
RELMAN, A. S., M.D., Medicine
RIM, D. S., PH.D., Mathematics
ROCHER, L., PH.D., South Asian Regional Studies
ROSENBERG, C. E., PH.D., History
ROSENBLOOM, J., D.D.S., Histology and Embryology in Dentistry
ROWLANDS, D. T., M.D., Pathology
SEBOLD, R. P., PH.D., Romance Languages
SHAPIRO, I. M., L.D.S.R.C.S., M.S., PH.D., Biochemistry in Dentistry
SHELLEY, W. B., M.D., M.B., Dermatology
SHEN, B. S. P., PH.D., Astronomy
SHIP, I. I., D.D.M., Oral Medicine
SHORE, S., PH.D., Civil and Urban Engineering
SMITH, P., PH.D., Business and Applied Economics
SNOW, J. B., M.D., Oto-Rhino-Laryngology
SOULSBY, E. J. L., M.A., D.V.S.M., PH.D., M.R.C.V.S., Parasitology
SPRAGUE, J. M., PH.D., Anatomy
TAICHMAN, N. S., D.D.S., PH.D., Pathology in Dentistry
TELFER, W. H., PH.D., Biology
TEUNE, H., M.A., PH.D., Political Science
THACKRAY, A. W., PH.D., History and Sociology of Science
VALENTINE, R., M.S., Oral Hygiene
VAN DE WALLE, E., PH.D., Biochemistry and Biophysics
VANARSDALL, R., D.D.S., Periodontics (acting)
WALES, W. D., PH.D., Physics
WALTER, J. C., PH.D., Finance
WATSON, P. F., PH.D., History of Art
WEISS, L., PH.D., Animal Biology
WELLIVER, N. G., M.F.A., Fine Arts
WHITE, D., PH.D., Chemistry
WILCOX, W. C., PH.D., Microbiology
WILLIAMSON, O. E., PH.D., Economics
WINGO, L., City and Regional Planning
WOLLMAN, H., M.D., Anaesthesia
WRIGHT, C. R., PH.D., Communications
ZEMEL, J. M., PH.D., Electrical Engineering and Science

ATTACHED INSTITUTIONS:

American Institute of Indian Studies.

Anspach Institute for Diplomacy and Foreign Affairs.

Bockus Research Institute.

Busch Center.

Center for Urban Research and Experiment.

Center for Studies in Criminology and Criminal Law.

Center for the Study of Financial Institutions.

G. S. Cox Medical Research Institute.

W. H. Donner Center for Radiology.

Econometric Forecasting Unit.

Economic Research Unit.

Fels Center for Government.

Foreign Policy Research Institute.

Henry Phipps Institute of Genetics and Community Diseases.

Huebner Foundation for Insurance.

Industrial Research Unit.

Institute for Direct Energy Conversion.

Institute for Environmental Medicine.

Institute for Environmental Studies.

Institute for International Studies of Values in Politics.

Institute for Medieval Japanese Studies.

Institute of Contemporary Art.

Institute of Electrical and Electronics Engineers.

Institute of Gastroenterology.

Institute of Gynecologic Research.

Institute for Neurological Sciences.

Laboratory for Research on the Structure of Matter.

Leonard Davis Institute of Health Economics.

Management and Behavioral Science Center.

Monell Chemical Senses Center.

Morris Arboretum.

National Center for Energy Management and Power.

Near East Center.

Oral Health Research Center.

Philadelphia Center for Research in Child Growth.

Population Studies Center.

Prison Research Council.

Valley Forge Research and Education Center.

Wharton Entrepreneurial Center.

Wistar Institute of Anatomy and Biology: 36th and Spruce Sts., Philadelphia, Pa. 19104; f. 1892; research in the changes in life processes from birth to old age; library of 5,000 vols.; Dir. HILARY KOPROWSKI.

UNIVERSITY OF PITTSBURGH

PITTSBURGH,
PENNSYLVANIA 15260
Telephone: (412) 624-4141.

Founded 1787 as Pittsburgh Academy; in 1819 became Western University of Pennsylvania, and in 1908 University of Pittsburgh.

Academic year: September to August (three terms).

Chancellor: W. W. POSVAR, PH.D.
Provost: R. A. SMITH, PH.D.
Secretary of the University: A. C. VAN DUSEN, PH.D.
Vice-Chancellor (Planning and Budget): JACK E. FREEMAN, M.A.
Vice-Chancellor (Public Affairs): B. J. KOBOSKY, PH.D.
Vice-Chancellor (Business and Finance): J. A. DUTTON, Jr.
Vice-Chancellor (Health Professions): NATHAN STARK, J.D.
Vice-Chancellor, Student Affairs: ALFRED MOYE.
Director, University Libraries: G. E. ROSSELL.
Registrar: FRANK F. REED, Jr.

Number of teachers: 2,204 full-time faculty.

Number of students: 34,913.

Publication: *University of Pittsburgh Bulletins*†.

DEANS:

Academic Disciplines:
Faculty of Arts and Sciences: J. L. ROSENBERG, PH.D.
Dean of the College: R. D. MARSHALL,
School of General Studies: S. GOW, Jr., PH.D.

Professions:
- *School of Education:* JAMES KELLY, Jr., PH.D.
- *School of Engineering:* MAX L. WILLIAMS, Jr., PH.D.
- *School of Law:* JOHN E. MURRAY, J.D.
- *Graduate School of Business:* H. J. ZOFFER, PH.D.
- *Graduate School of Library Science:* THOMAS J. GALVIN, PH.D.
- *Graduate School of Public and International Affairs:* JOHN FUNARI.
- *Graduate School of Social Work:* D. E. EPPERSON.

Health Professions:
- *School of Dentistry:* E. J. FORREST, D.D.S., M.S., PH.D.
- *School of Nursing:* ENID GOLDBERG, PH.D.
- *School of Medicine:* GERHARD WERNER, M.D.
- *School of Pharmacy:* J. A. BIANCULLI, PH.D.
- *Graduate School of Public Health:* H. GRIFFIN, M.D.
- *School of the Health Related Professions:* ANNE PASCASIO, PH.D.

Regional Campuses:
- *Bradford, Pa.:* R. L. MCDOWELL, PH.D. (President).
- *Greensburg, Pa.:* A. B. SMITH, Jr., M.A. (President).
- *Johnstown, Pa.:* FRANK H. BLACKINGTON, III, PH.D. (President).
- *Titusville, Pa.:* J. M. BALL, PH.D. (President).

Professors:

Faculty of Arts and Sciences:

Bartha, Denes R., ph.d., Music
Grunbaum, Adolph, ph.d., Philosophy
Hays, Samuel P., ph.d., History
Herrero, Javier S., ph.d., Hispanic Language and Literature
Jeffrey, George A., ph.d., Crystallography
Lauffer, Max A., ph.d., Crystallography
Lehner, Joseph, ph.d., Mathematics
Masani, Pesi, ph.d., Mathematics
Miller, Foil A., ph.d., Chemistry
Morner, Magnus, ph.d., History
Nordenfalk, Carl, ph.d., Fine Arts
Perlman, Mark, ph.d., Economics
Rescher, Nicholas, ph.d., Philosophy
Roberts, John M., ph.d., Sociology
Schoenberg, Isaac J., ph.d., Mathematics
Sellars, Wilfrid, ph.d., Philosophy
Spoehr, Alexander, ph.d., Anthropology
Stahl, Hans-Peter, ph.d., Classics
Styan, John L., ph.d., English
Thompson, Dorothy K. G., ph.d., History
Thompson, E. P., ph.d., History
Whitman, Marina V., ph.d., Economics
Yang, Ching-kun, ph.d., Sociology

School of Education:

Masoner, Paul H., ph.d.

Graduate School of Public and International Affairs:

Robin, John, ph.d.

School of Dentistry:

Archer, William H., ph.d., Dental Medicine

Graduate School of Public Health:

Hofmann, Klaus, ph.d., Medicine
Li, Ching-chun, ph.d., Biostatistics
Myers, Jack D., ph.d., Medicine

Attached Research Centers:

Learning Research and Development Center.

Knowledge Availability Systems Center.

Space Research Co-ordination Center.

University Center for International Studies.

History and Philosophy of Science Center.

University Center for Urban Research.

Management Research Center.

Social Science Computer Research Institute.

Center for Interdisciplinary Cycle Research.

Cleft Palate Center.

Center for Arms Control and International Security Studies.

UNIVERSITY OF SCRANTON

SCRANTON,
PENNSYLVANIA 18510
Telephone: (717) 961-7400.
Founded 1888.

President: Rev. William J. Byron, s.j.
Academic Vice-President: Vincent Ponko, ph.d.
Treasurer: Robert T. Ryder.
Registrar: Z. E. Lawhon.
Librarian: Marianne McTighe, m.a.

Number of teachers: 180.
Number of students: 4,400.

Publications: *Best Sellers* (semimonthly), *Alum-News* (quarterly), *Windhover* (yearbook), *Esprit* (literary magazine), *Aquinas* (student newspaper).

Deans:

College of Arts and Sciences: Dr. W. Parente.
Graduate School: Dr. H. B. Strickland.
Dexter Hanley College: Charles J. Buckley.
School of Management: Dr. Henry A. Amato.

URSINUS COLLEGE

COLLEGEVILLE,
PENNSYLVANIA 19426
Telephone: (215) 489-4111.
Founded 1869.

President: R. P. Richter.
Dean of Admissions: G. Dolman.
Librarian: H. E. Broadbent.

The library contains 117,000 vols.
Number of teachers: 77.
Number of students: 1,128 day, 678 evening.

VILLA MARIA COLLEGE

2551 WEST LAKE RD.,
ERIE, PENNSYLVANIA 16505
Telephone: 838-1966.
Founded 1925.

President: Sister M. Lawreace Antoun.
Academic Dean: Sister Mary Mark Doubet.
Director of Finance and Development: Mrs. Carol Schaper.
Business Manager: Sister Mary Y. Moosmann.
Registrar: Sister Marie F. Thomas.
Director of Student Services: Joan D. Painter.
Director of Admissions: Dennis Stefanacci.
Librarian: Sister Eleanor Jones.

The library contains 52,000 vols.
Number of teachers: 65.
Number of students: 450.
Publication: *Villécrit.*

VILLANOVA UNIVERSITY

VILLANOVA,
PENNSYLVANIA 19085
Founded 1842.

President: Rev. John M. Driscoll, o.s.a.
Vice-President for Academic Affairs: Dr. James J. Cleary.
Vice-President for Financial Affairs: Rev. T. M. Mahoney, o.s.a.
Vice-President for Student Life: Rev. John E. Deegan, o.s.a.
Vice-President for University Relations: Rev. George F. Riley, o.s.a.
Vice-President, Administration: Rev. Patrick Rice, o.s.a.
Librarian: Rev. L. A. Rongione, o.s.a.

Number of teachers: 454 full-time, 88 part-time, total 542.
Number of students: 9,200.

Publications: *Villanova University Bulletin, Religion and the Public Order, Villanova Law Review, Spires.*

Deans:

Engineering: Dr. Robert D. Lynch.
Arts and Science: (vacant).
Commerce and Finance: Alvin A. Clay.
Nursing: M. Louise Fitzpatrick.
Law: J. Willard O'Brien.

WASHINGTON AND JEFFERSON COLLEGE

WASHINGTON,
PENNSYLVANIA 15301

Washington Academy chartered 1787, rechartered as Washington College 1806; Jefferson Academy (Canonsburg) chartered 1794, rechartered as Jefferson College 1802; Colleges united 1865.

President: H. J. Burnett, ph.d.
Dean of College: H. E. Wylen, ph.d.
Dean of Institutional Planning: F. J. Frank, ph.d.
Registrar: S. A. Jones, b.a.
Dean of Student Affairs: D. K. Scarborough, m.s.
Librarian: R. E. Connell, m.l.s.

The library contains 171,677 vols.
Number of teachers: 95.
Number of students: 1,000.

Publications: *Topic*†, *W & J News, Catalogue.*

WAYNESBURG COLLEGE

WAYNESBURG,
PENNSYLVANIA 15370
Telephone: (412) 627-8191.

Founded 1849. Liberal Arts and Sciences.

President: Joseph F. Marsh.
Vice-President for Academic Affairs: G. W. Smith.
Vice-President for Business and Finance: C. B. Stoy.
Vice-President for Planning and Development: Jerry L. Beasley.
Vice-President for Student Life: R. W. Cahn.
Registrar: M. K. Talpas.
Director of Admissions: Mrs. Danielle Barr.
Librarian: Miss T. Viarengo.

The library contains 110,000 vols.

Number of teachers: 49 full-time, 15 part-time.

Number of students: 820.

WEST CHESTER STATE COLLEGE

WEST CHESTER,
PENNSYLVANIA 19380

Telephone: (215) 436-2471.

Founded 1871.

President: Dr. Charles G. Mayo.
Director of Admissions: R. G. Studenmund.
Librarian: F. Q. Helms.

The library contains 360,000 vols.

Number of teachers: 460.

Number of students: 8,703.

Publications: *Serpentine*, *College Literature*.

WESTMINSTER COLLEGE

NEW WILMINGTON,
PENNSYLVANIA 16142

Founded 1852.

(Related to United Presbyterian Church in the U.S.A.)

President: Earland I. Carlson, PH.D.
Dean: P. A. Lewis, PH.D.
Dean of Students: William McK. Wright, PH.D.
Registrar: D. L. McLaughlin, M.ED.
Librarian: F. E. Smith, M.L.S.

The library contains 180,000 vols.

Number of teachers: 113.

Number of students: 1,639 undergraduates, 244 graduates.

Publications: *Holcad* (newspaper), *Scrawl* (literary), *Argo* (yearbook).

WIDENER COLLEGE

CHESTER, PENNSYLVANIA 19013

Telephone: (215) 876-5551.

Founded 1821; formerly PMC Colleges.

President: Dr. Clarence R. Moll.
Academic Vice-President and Dean: Dr. Joel M. Rodney.
Librarian: L. C. Brown.

The library contains 146,000 vols.

Number of teachers: 138 full-time, 139 part-time.

Number of students: 1,791 full-time, 1,841 part-time.

Publications: *Bulletin of the College*†, *Summer Sessions Bulletin*†, *Alumni Magazine*†.

Deans:

Center of Arts and Science: Dr. Angus Neaves.
Center of Engineering: Dr. Nathaniel R. Kornfield.
Center of Management and Applied Economics: Dr. John T. Meli.
Center of Nursing: Dr. Janette L. Packer.
Undergraduate Evening Programs: Rudolph Bloom, Jr.
Delaware Law School: Arthur A. Weeks.
Brandywine College: Dr. Andrew A. Bushko.

WILKES COLLEGE

WILKES-BARRE,
PENNSYLVANIA 18703

Telephone: (717) 824-4651.

Founded 1933.

President: Robert S. Capin.
Dean of Health Sciences: Ralph B. Rozell.
Dean of Admissions: Gerald Wuori.
Registrar: Doris Barker.
Librarian: Dale Buehler.

The library contains 265,000 vols.

Number of teachers: 145 full-time.

Number of students: 2,000 full-time.

WILSON COLLEGE

CHAMBERSBURG,
PENNSYLVANIA 17201

Founded 1869.

President: Margaret Waggoner.
Director of Admissions: John M. Mason.
Librarian: Ruth Ann Edwards.

The library contains 145,554 vols.

Number of teachers: 49.

Number of students: 300.

Publication: *Catalogue*.

RHODE ISLAND

BARRINGTON COLLEGE

MIDDLE HIGHWAY,
BARRINGTON,
RHODE ISLAND 02806

Telephone: (401) 246-1200.

Founded 1900.

Liberal Arts, Education, Business and Computer Science, Biblical Studies and Music.

President: Dr. Harold L. Fickett, Jr.
Vice-President: Dr. John M. Gustafson.

Dean of Faculty: Prof. E. Russell Goodnow.

Registrar: Dr. David Cranmer.

Librarian: Miss Eleanor Wilson

The library contains 62,000 vols.

Number of teachers: 45.

Number of students: 600.

BROWN UNIVERSITY

PROVIDENCE,
RHODE ISLAND 02912

Telephone: (401) 863-1000.

Founded 1764.

Academic year: September to May.

President: H. R. Swearer, PH.D.
Chancellor: C. C. Tillinghast, L.H.D., S.D., LL.D.
Vice-Chancellor: F. B. Davis, Jr., A.B.
Secretary: A. H. Joslin, A.B., LL.B.
Treasurer: J. W. Ress, PH.B., LL.B.
Provost: M. P. Stoltz, PH.D.
Vice-President for Biology and Medicine: Pierre M. Galletti, M.D., PH.D.
Vice-President for Finance and Operations: P. F. Maeder, PH.D.
Vice-President for University Relations: R. A. Wolk, A.M.
Registrar of the University: M. E. Noble, A.B.
Librarian: C. D. Churchwell, PH.D.

Number of teaching and research faculty: 953.

Number of students: 5,244 undergraduates, 1,216 graduate students, medical students 237, total 6,697.

Publications: *Quarterly of Applied Mathematics*, *Brown University Studies*, *Colver Lectures*, *American History Research Center Publications*, *Brown Egyptological Studies*, *Brown University Slavic Reprint Series*, *Novel A Forum on Fiction*.

Deans:

Academic Affairs: M. Glicksman, PH.D.
Graduate School: E. S. Frerichs.
College: W. E. Massey, PH.D.
Admission: J. H. Rogers, ED.M.
Medicine: S. M. Aronson, M.D.
Biological Sciences: R. J. Goss.

Professors:

Accola, R. D. M., PH.D., Mathematics
Ahlberg, J. H., PH.D., Applied Mathematics
Amor y Vazquez, J., PH.D., Hispanic Studies
Archambault, R. D., ED.D., Education
Aronson, S. M., M.D., Medical Science
Avery, D. H., SC.D., Engineering
Baird, J. C., Jr., PH.D., Chemistry and Physics
Baldini, M. G., M.D., Medical Science
Banchoff, T. F., PH.D., Mathematics
Barnes, F. W., M.D., PH.D., Medical Science
Barnhill, J. O., A.M., M.F.A., English
Bauer, C., PH.D., French
Baum, P. F., PH.D., Mathematics
Beckmann, M. J., DR.RER.POL., Economics
Beyer, R. T., PH.D., Physics
Blistein, E. M., PH.D., English
Bloom, E. A., PH.D., English
Blough, D. S., Psychology
Boegehold, A. L., PH.D., Classics
Bolle, D. M., PH.D., Engineering
Borts, G. H., PH.D., Economics
Boulger, J. D., PH.D., English
Bray, P. J., PH.D., Physics
Browder, A., PH.D., Mathematics
Calabresi, P., M.D., Medical Science
Caminos, R. A., PH.D., Egyptology
Carpenter, G. B., PH.D., Chemistry
Cassill, R. V., M.A., English
Champa, K., PH.D., Art
Chapple, W. M., PH.D., Geological Science
Chase, H. B., PH.D., Biology
Chinitz, B., PH.D., Economics
Chinnery, M. A., PH.D., Geological Sciences
Chisholm, R. M., PH.D., Philosophy
Church, R. M., PH.D., Psychology
Church, W. F., PH.D., History
Clapp, L. B., PH.D., PD.D., Chemistry

Clarke, J. H., PH.D., Engineering
Clifton, R. J., PH.D., Engineering
Cobb, S., M.D., Medical Science
Cole, R. H., PH.D., Chemistry
Cooper, L. N., PH.D., Physics
Corbit, J. D., PH.D., Psychclogy
Cornwell, E. E., Jr., PH.D., Political Science
Curtis, L. P., Jr., PH.D., History
Davids, A., PH.D., Psychology
Davis, P. J., PH.D., Applied Mathematics
Davis, R. P., M.D., Medical Science
Deetz, J. F., Anthropology
Diamond, I., L.R.C.P., L.R.C.S., Pathology
Dietrich, W. S., PH.D., Religious Studies
Dinneen, W., A.M., Music
Dobbins, R. A., PH.D., Engineering
Dostal, A., PH.D., Slavic Languages
Duffy, J. W., PH.D., Engineering
Dupree, A. H., PH.D., History
Durand, F., PH.D., Hispanic and Italian Studies
Dyer, H. J., PH.D., Biology
Echeverria, D., PH.D., French Studies and Comparative Literature
Eckelmann, F. D., PH.D., Geological Sciences
Edwards, J. O., PH.D., Chemistry
Eimas, P. D., Psychology
Elbaum, C., PH.D., Physics
Ellis, R. A., PH.D., Biology
Engen, T., PH.D., Psychology
Erikson, G. E., PH.D., Medical Science
Estrup, P. J. Z., PH.D., Physics and Chemistry

Fain, J. N., PH.D., Medical Science
Falb, P. L., PH.D., Applied Mathematics
Fallieros, S., PH.D., Physics
Fanger, H., M.D., Medical Science
Fausto, N., M.D., Medical Science
Feather, B. W., M.D., PH.D., Medical Science
Federer, H., PH.D., Mathematics
Feldman, D., PH.D., Physics
Feldman, W. S., M.F.A., Art
Fenton, P. F., PH.D., Biology
Fido, F., DOTT.LITT., Italian Studies
Findley, W. N., SC.M. IN ENG., A.M., Engineering
Fleming, W. H., PH.D., Mathematics and Applied Mathematics
Fornara, C. W., PH.D., Classics
Francis, W. N., PH.D., Linguistics and English
Freiberger, W., PH.D., Applied Mathematics
Frerichs, E. S., PH.D., Religious Studies
Freund, L. B., PH.D., Engineering
Fried, H. M., PH.D., Physics

Galletti, P. M., M.D., PH.D., Medical Science
Garfield, E. P., M.A., PH.D., Hispanic and Italian Studies
Geriteen, H. J., PH.D., Physics
Gibbs, J. H., PH.D., Chemistry
Giletti, B. J., PH.D., Geological Sciences
Glicksman, A. S., M.D., Medical Science
Glicksman, M., PH.D., Engineering
Glickstein, M., PH.D., Psychology
Gold, E., M.D., Medical Science
Goldstein, L., PH.D., Biology
Goldstein, S., PH.D., Sociology
Goodman, E. R., PH.D., Political Science
Goss, R. J., PH.D., Biology
Graubard, S. R., PH.D., History
Greene, E. F., PH.D., Chemistry
Grenander, U., PH.D., Probability and Statistics
Grieder, J. B., PH.D., Asian History
Grossman, H., PH.D., Economics
Guralnik, J. S., PH.D., Physics
Gurland, J., SC.D., Engineering

Hagy, G. W., PH.D., Biology
Hale, J. K., PH.D., Applied Mathematics
Hamolsky, M. W., M.D., Medical Science
Hargrove, E. C., PH.D., Political Science
Harper, M. S., M.A., English
Harris, B., PH.D., Mathematics
Hawkes, J., A.B., English
Hazeltine, B., PH.D., Engineering
Heath, D. B., PH.D., Anthropology
Heller, G. S., PH.D., Engineering
Hirsch, D. W., PH.D., English
Hitchings, G. H., PH.D., Pharmacology
Hoffmeister, W., PH.D., German
Holloway, R. R., PH.D., Classical Archaeology
Honig, E., A.M., English and Comparative Literature
Hopkins, R. W., PH.D., Medical Science
Houghton, A., PH.D., Physics
Imbrie, J., PH.D., Geological Sciences
Infante, E., PH.D., Applied Mathematics
Ito, Y., PH.D., Mathematics
Jay, R. R., PH.D., Anthropology
Jayne, S., PH.D., English and Comparative Literature
Jones, F., PH.D., Psychology
Jordy, W. H., PH.D., Art

Kadanoff, L. P., PH.D., Physics
Kang, K., PH.D., Physics
Karlson, K. E., M.D., Medical Science
Karlsson, S. K. F., PH.D., Engineering
Kestin, J., PH.D., D.I.C., D.SC., Engineering
Kidwell, J. F., PH.D., Biology
King, W. T., PH.D., Chemistry
Kirkpatrick, L. B., Political Science
Kling, J. W., PH.D., Psychology
Kobrin, F. E., M.A., PH.D., Sociology
Kolsky, H., PH.D., D.SC., Applied Physics
Kornhauser, E. T., PH.D., Engineering
Kossoff, A. D., PH.D., Hispanic Studies
Krause, D., PH.D., English
Kucera, H., PH.D., Slavic Languages and Linguistics
Kuhn, R., PH.D., French Studies
Kushner, H. J., PH.D., Applied Mathematics and Engineering
Ladd, J., PH.D., Philosophy
Lanou, R. E., PH.D., Physics
LaSalle, J. P., PH.D., Applied Mathematics
Lawler, R. G., PH.D., Chemistry
Lederberg, S., PH.D., Biology
Leduc, Elizabeth H., PH.D., Biology
Lens, P. E., PH.D., Anthropology
Lenz, J. W., PH.D., Philosophy
Lewalski, B. K., PH.D., English
Lieberman, P., PH.D., Linguistics
Lipsitt, L. P., PH.D., Psychology
Loferski, J. J., PH.D., Engineering
López-Morillas, J., PH.D., Hispanic Studies and Comparative Literature
Lubin, J. D., PH.D., Mathematics
Lyon, B., PH.D., History

McLoughlin, W. G., Jr., PH.D., History
Maeder, P. F., PH.D., Engineering
Marsh, R. M., PH.D., Sociology
Marshall, J. M., PH.D., Medical Science
Martin, J. B., PH.D., Engineering
Mason, E. A., PH.D., Chemistry and Engineering
Massimo, J. T., PH.D., Physics
Matthews, R. K., PH.D., Geological Sciences
Maxson, D. R., PH.D., Physics
Mayfield, D. G., M.D., Medical Sciences
Millward, R. B., PH.D., Psychology
Moehring, H. R., PH.D., Religious Studies
Molho, A., PH.D., History
Monteiro, G., PH.D., English
Morgan, G. W., PH.D.
Morse, T. F., PH.D., Engineering
Mutch, T. A., PH.D., Geological Sciences
Mylonas, C., PH.D., Engineering
Nace, H. R., PH.D., Chemistry
Nelson, R., D.MUS., Music
Neusner, J., PH.D., Religious Studies
Nichols, C. H., PH.D., English
Nomizu, K., PH.D., SC.D., Mathematics
Nordlinger, E. A., PH.D., Political Science
Padden, R. C., PH.D., History
Paolino, R., M.S., PH.D., Psychiatry
Parks, R. E., Jr., M.D., PH.D., Medical Science
Paslay, P. R., SC.D., Engineering
Patterson, J. T., PH.D., History
Pearson, A. E., PH.D., Engineering
Peck, R. A., Jr., PH.D., Physics
Perkins, W. T., PH.D., Political Science
Pfautz, H. W., PH.D., Sociology
Pingree, D. E., PH.D., History of Mathematics
Pipkin, A. C., PH.D., Applied Mathematics
Poole, W., PH.D., Economics
Potter, R. G., Jr., PH.D., Sociology
Povar, M. L., M.D., Medical Sciences
Putnam, M. C. J., PH.D., Classics
Pysh, E. S., PH.D., Chemistry

Quevedo, W. C., Jr., PH.D., Biology
Quinn, J. J., PH.D., Physics
Randall, H. T., M.D., Medicine
Rice, J. R., PH.D., Engineering
Rich, N., PH.D., History
Richardson, P. D., PH.D., Engineering
Richman, M. H., SC.D., Engineering
Ridgely, B. S., PH.D., French Studies
Riggs, L. A., PH.D., Psychology
Roessler, B., SC.D., Engineering
Rohr, D. G., PH.D., History
Rosen, M. I., PH.D., Mathematics
Rothman, F. G., PH.D., Biology
Rotman, M. B., PH.D., Medical Science
Rueschemeyer, D., DR.RER.POL., Sociology
Ryder, H. E., PH.D., Economics

Sabol, A. J., PH.D., English
Sachs, A. J., PH.D., History of Mathematics
Sakoda, J. M., PH.D., Sociology
Sato, R., PH.D., Economics
Savage, J. E., PH.D., Engineering
Schevill, J. E., SC.B., English
Schmitt, A. E., PH.D., German
Schmitt, R. G., PH.D., Philosophy
Schnerr, W. J., PH.D., Romance Languages
Scholes, R. E., PH.D., English
Schrier, A. M., PH.D., Psychology
Schulz, J., PH.D., Art
Schupack, M. B., PH.D., Economics
Segal, C. P., PH.D., Classics
Seidel, G. M., PH.D., Physics
Senft, A. U., M.D., Medical Sciences
Shapiro, A. M., PH.D., Physics
Shepp, B. E., PH.D., Psychology
Shroeder, J. W., PH.D., English
Sibulkin, M., M.S. IN M.E., AE.E., A.M., Engineering
Sirovich, L., PH.D.. Applied Mathematics
Sorrentino, R., PH.D., Psychology
Sosa, E., PH.D., Philosophy
Spilka, M., PH.D., English
Steim, J. M., PH.D., Chemistry
Stein, J. L., PH.D., Economics
Stern, L., M.D., Medical Sciences
Stewart, F. M., PH.D., Mathematics
Stewart, P. A., PH.D., Medical Science
Stiles, P. J., PH.D., Physics
Stoltz, M. P., PH.D., Economics
Strauss, W. A., PH.D., Mathematics
Stultz, N. M., PH.D., Political Science
Symonds, P. S., PH.D., Engineering
Tanner, R. I., PH.D., Engineering
Tauc, J., ING.DR., Engineering and Physics
Terras, V., PH.D., Slavic Languages
Thayer, W. R., Jr., Medical Science
Thomas, J. L., PH.D., History
Tomas, V. A., PH.D., Philosophy
Toomer, G. J., M.A., History of Mathematics
Townley, H., A.M., Art
Trueblood, A. S., PH.D., Hispanic Studies
Underdown, D. E., A.M., History
Van Nostrand, A. D., PH.D., English
Vargas, L. L., M.D., Medical Science

Waggoner, H. H., ph.d., English
Ward, H. R., ph.d., Chemistry
Wegner, P., ph.d., Applied Mathematics
Weimar, K. S., ph.d., German
Weiner, J. H., ph.d., Engineering and Physics
Weisz, P. B., ph.d., ped.d., Biology
Wermer, J., ph.d., Mathematics
Wessen, A. F., ph.d., Sociology
Westervelt, P. J., ph.d., Physics
Williams, A. O., Jr., ph.d., Physics
Williams, L. E., ph.d., Asian History
Winner, T. G., ph.d., Slavic Languages
Wold, A., ph.d., Chemistry and Engineering
Wood, G. S., ph.d., History
Workman, J. R., ph.d., Classics
Wrenn, J. J., ph.d., Linguistics
Wyatt, W. F., Jr., ph.d., Classics
Yund, R. A., ph.d., Geological Sciences
Zimmer, B. G., ph.d., Sociology
Zimmering, S., ph.d., Biology

BRYANT COLLEGE

SMITHFIELD,
RHODE ISLAND 02917
Founded 1863.

President: William T. O'Hara.
Vice-President for Academic Affairs: (vacant).
Vice-President for Public Affairs: Jacquelyn Low.
Vice-President for Student Affairs: (vacant).
Vice-President for Business Affairs: John F. Heckinger.
Dean of Admissions: Roy A. Nelson.
Dean of Undergraduate Faculty: Wallace A. Wood.
Dean of Graduate School: S. Lebovitz.
Dean of Academic Administration and Registrar: Richard F. Alberg.
Director of Library Services: J. P. Hannon.

The library contains over 100,000 vols.

Number of students: 4,990.

Publications: *Bulletin of Bryant College, Catalog, Alumni Bulletin, Career Bulletin, Introducing Bryant.*

PROVIDENCE COLLEGE

PROVIDENCE,
RHODE ISLAND 02918
Telephone: (401) 865-1000.
Founded 1917.

Chancellor: Very Rev. Vincent C. Dore, o.p.
President: Very Rev. T. R. Peterson, o.p., ph.d.
Director of Admissions: M. G. Backes.
Registrar: Dr. L. Gousie.
Librarian: Rev. E. A. Hogan, o.p.

The library contains 205,880 vols.

Number of teachers: 265.

Number of students: 3,500.

RHODE ISLAND COLLEGE

600 MOUNT PLEASANT AVE.,
PROVIDENCE,
RHODE ISLAND 02908
Telephone: 456-8000.
Founded 1854.

President: David E. Sweet.
Vice-President for Academic Affairs: E. M. McMahon.
Vice-President for Student Affairs: D. P. Hardy.
Executive Director of College Budget and Management: T. J. Geddes.
Director of Records: Burt D. Cross.
Director of Admissions: Claire M. Giannamore (acting).
Director of Public Relations: Mary G. Davey.
Librarian: R. A. Olsen.

The library contains 205,000 vols.

Number of teachers: 364.

Number of students: 5,200 full-time, 3,500 part-time.

Deans:

Arts and Sciences: James V. Koch.
Graduate Studies: William A. Small (acting).
Educational Studies: Lenore A. DeLucia (acting).

RHODE ISLAND SCHOOL OF DESIGN

PROVIDENCE,
RHODE ISLAND 02903
Founded 1877.

President: Dr. Lee Hall.
Vice-Presidents: Dr. Andrew T. Ford (Academic Affairs), Bruce Helander (Student Affairs), Murray S. Danforth, Jr. (Financial Affairs), Joan Patota (Public Affairs).
Librarian: Mrs. Jeanne Borden.

The library contains 60,000 vols.

Number of teachers: 98 full-time.

Number of students: 1,360.

Publications: *Annual Catalogue*†, *Alumni Bulletin*†, *Portfolio*† (Student Year Book), *Bulletin of Rhode Island School of Design*†, *Museum Notes*†.

THE NEWPORT COLLEGE—SALVE REGINA

NEWPORT, RHODE ISLAND 02840
Telephone: (401) 847-6650.
Founded 1947.

Private control (Religious Sisters of Mercy).

President: Dr. Lucille McKillop, r.s.m.
Dean of Admissions: Sister Mary Audrey O'Donnell, r.s.m.
Academic Dean: Dr. Sheila Megley, r.s.m.
Dean of Students: Rev. James Healy, c.s.sp.

The library contains 66,000 vols.

Number of teachers: 143.

Number of students: 1,650.

UNIVERSITY OF RHODE ISLAND

KINGSTON, RHODE ISLAND 02881
Telephone: (401) 792-1000.

Founded 1892 as Rhode Island College of Agriculture and Mechanic Arts; attained university status 1951.

President: Frank Newman, m.s.
Vice-President for Academic Affairs: W. R. Ferrante, ph.d.
Vice-President for Business Affairs and Finance: A. W. Petrocelli, ph.d.
Vice-President for Student Affairs: John E. Shay, ph.d.
Vice-President for Development and University Relations: J. W. Leslie, m.s.
Registrar: J. F. Demitroff, m.a.
Librarian: G. R. Parks.

The library contains 600,000 volumes.

Number of teachers: 698 full-time.

Number of students: 14,588.

Publications: *URI Commercial Fisheries Newsletter*†, *URI Reporter* (Newsletter), etc.

Deans:

College of Arts and Sciences: Barry A. Marks, ph.d.
College of Business Administration: R. R. Weeks, ph.d.
College of Engineering: Robert H. Goff, m.s. (acting).
College of Human Science and Services: Barbara Brittingham, ph.d. (acting).
University College: Lena L. Lucietto, ph.d. (acting).
College of Pharmacy: H. W. Youngken, Jr., ph.d.
College of Resource Development: G. A. Donovan, ph.d.
Extension Division: Glenn A. Goerke, ph.d.
School of Nursing: Barbara Tate, ed.d.
Graduate School of Oceanography: J. A. Knauss, ph.d.
Graduate School: Aloys A. Michel, ph.d.
Graduate Library School: Bernard S. Schlessinger, ph.d., m.l.s.

Attached Research Programs:

Agricultural Experiment Station.
Bureau of Government Research.
Center for Energy Study.
Center for Ocean Management Studies.
Coastal Resources Center.
Curriculum Research and Development Center.
Environmental Health Sciences Consortium for Development and Technology.
Gerontology.
Laboratories for Scientific Criminal Investigation.
Marine Experiment Station.
Marine Advisory Service.
Research Center in Business and Economics.
International Center for Marine Resource Development.
National Sea Grant Depository.
Division of Engineering Research and Development.
Rhode Island Teachers' Center.
R.I. Water Resources Center.
Urban Affairs.

SOUTH CAROLINA

THE CITADEL

(Military College of South Carolina)
CHARLESTON,
SOUTH CAROLINA 29409
Founded 1842.

Controlled by State of South Carolina.

President: Lt.-Gen. George M. Seignious, II.
Vice-President for Academic Affairs and Dean of the College: Maj.-Gen. Wallace E. Anderson.
Commandant of Cadets: Col. John K. Gibler.
Vice-President for Administration and Finance: Maj.-Gen. James A. Grimsley, Jr.
Vice-President for Development: Col. D. D. Nicholson, Jr.
Director of Libraries: Col. James M. Hillard.
Registrar and Director of Admissions: Lt.-Col. Joseph P. Cameron.

The library contains 367,000 vols.

Number of teachers: 156, including 33 professors.

Number of students: 3,358.

Publications: *Sphinx*, *Brigadier Guidon*, *Shako*.

CLEMSON UNIVERSITY

CLEMSON,
SOUTH CAROLINA 29631
Founded 1893 as Clemson Agricultural College.

President: Robert C. Edwards, ll.d.
Vice-President for Academic Affairs and Dean of the University: V. Hurst, ph.d.
Vice-President for Business and Finance: M. E. Barnette, m.s.
Vice-President for Development: S. G. Nicholas, b.s.
Vice-President for Executive Affairs: J. B. Mc Devitt, b.a., j.d.
Vice-President for Student Affairs: W. T. Cox, b.s.
Librarian: J. W. G. Gourlay, a.m.l.s.

Library of 731,000 vols.

Number of teachers: 865, including 857 full-time.

Number of students: 11,274.

Deans:

Undergraduate Studies: C. B. Green, ph.d.
Graduate Studies and University Research: A. E. Schwartz, ph.d.
University Extension: S. M. Willis, ph.d.
College of Agricultural Sciences: L. P. Anderson, ph.d.
College of Architecture: H. E. McClure, m.arch., f.a.i.a.
College of Education: H. F. Landrith, ed.d.
College of Engineering: L. C. Wilcox, ph.d.
College of Forest and Recreation Resources: B. H. Box, d.f.
College of Industrial Management and Textile Science: W. D. Trevillian, ph.d.
College of Liberal Arts: H. M. Cox, ph.d.
College of Nursing: Geraldine Labecki, ed.d.
College of Sciences: H. E. Vogel, ph.d.

Heads of Departments:

College of Agricultural Sciences:
- *Agricultural Economics and Rural Sociology:* J. E. Faris, ph.d.
- *Agricultural Education:* E. T. Carpenter, ed.d.
- *Agricultural Engineering:* B. K. Webb, ph.d.
- *Agronomy and Soils:* G. R. Craddock, ph.d.
- *Animal Science:* R. F. Wheeler, ph.d.
- *Dairy Science:* J. H. Martin, ph.d.
- *Entomology and Economic Zoology:* S. B. Hays, ph.d.
- *Food Science:* W. P. Williams, ph.d.
- *Horticulture:* T. L. Senn, ph.d.
- *Plant Pathology and Physiology:* O. J. Dickerson, ph.d.
- *Poultry Science:* B. D. Barnett, ph.d.

College of Architecture:
- *Architectural Studies:* G. B. Witherspoon, m.s.arch.
- *Building Science:* R. E. Knowland, m.b.a.
- *History and Visual Studies:* J. T. Acorn, m.f.a.
- *Planning Studies:* M. A. Clark, m.c.p.

College of Education:
- *Aerospace Studies:* Col. E. F. Rumsey, m.p.s.
- *Agricultural Education:* E. T. Carpenter, ed.d.
- *Elementary and Secondary Education:* Ernest J. Kozma, ed.d.
- *Industrial Education:* A. F. Newton, ed.d.
- *Military Science:* Lt.-Col. R. H. Herron, m.a.
- *Vocational Education Media Center:* A. K. Jensen.

College of Engineering:
- *Ceramic Engineering:* G. C. Robinson, sc.d.
- *Chemical Engineering:* W. B. Barlage, Jr., ph.d.
- *Civil Engineering:* H. W. Busching, ph.d.
- *Electrical and Computer Engineering:* A. E. Duke, ph.d.
- *Engineering Technology:* J. A. Chisman, ph.d. (acting).
- *Environment Systems Engineering:* T. M. Keinath, ph.d.
- *Interdisciplinary Studies:* F. W. Cooke, ph.d.
- *Mechanical Engineering:* E. H. Bishop, ph.d.

College of Forest and Recreation Resources:
- *Forestry:* R. M. Allen, ph.d.
- *Recreation and Park Administration:* H. Brantley, ph.d.

College of Industrial Management and Textile Science:
- *Accounting and Finance:* C. C. Davis, c.p.a., m.b.a.
- *Economics:* Rex L. Cottle, ph.d.
- *Industrial Management:* B. J. Todd, ph.d.
- *Textiles:* E. A. Vaughn, ph.d.

College of Liberal Arts:
- *English:* R. W. Moran, ph.d.
- *History:* A. G. Schaffer, ph.d.
- *Languages:* H. E. Stewart, ph.d.
- *Music:* J. H. Butler, ed.d.
- *Political Science:* C. W. Dunn, ph.d.
- *Psychology:* J. D. Davenport, ph.d. (acting).
- *Sociology:* R. F. Larson, ph.d.

College of Nursing:
- *Assoc. Degree Program:* Leon Roswal, m.s.
- *BACC. Degree Program:* (vacant).
- *Continuing Education:* J. J. Chodil, ph.d.

College of Sciences:
- *Biochemistry:* J. M. Shively, ph.d.
- *Botany:* C. R. Dillon, ph.d. (acting).
- *Chemistry and Geology:* R. A. Abramovitch, ph.d.
- *Computer Science:* A. J. Turner, ph.d. (acting).
- *Mathematical Sciences:* J. D. Fulton, ph.d.
- *Microbiology:* M. J. B. Paynter, ph.d.
- *Physics and Astronomy:* J. P. McKelvey, ph.d.
- *Zoology:* C. W. Helms, ph.d.

COKER COLLEGE

HARTSVILLE,
SOUTH CAROLINA 29550
Telephone: (803) 332-1381.
Founded 1908.

President: Hilburn Womble.
Dean of the College: Malcolm C. Doubles.
Director of Admissions: Frank Bush.
Librarian: Lloyd J. Putzey.

The library contains 60,000 vols.

Number of teachers: 40.

Number of students: 500.

COLLEGE OF CHARLESTON

CHARLESTON,
SOUTH CAROLINA 29401
Telephone: (803) 722-0181.
Founded 1770; Chartered 1785.

President: Edward M. Collins, Jr., ph.d.
Academic Vice-President: John M. Bevan.
Registrar: S. T. Hydrick.
Librarian: T. E. Hodgin.

Number of teachers: 192.

Number of students: 5,036.

COLUMBIA COLLEGE

COLUMBIA,
SOUTH CAROLINA 29203
Telephone: (803) 786-3012.

Founded 1854.

President: Ralph T. Mirse.
Registrar: Frances S. Owens.
Librarian: Miss Helen Jordan.

The library contains 98,000 volumes.

Number of teachers: 72.
Number of students: 915.

CONVERSE COLLEGE

SPARTANBURG,
SOUTH CAROLINA 29301

Telephone: 585-6423.

Founded 1889.

President: Robert T. Coleman, Jr.
Director of Admissions: Miss Alice A. Suiter.
Librarian: Dr. James G. Harrison, Jr.

The library contains 90,000 vols.

Number of teachers: 72.
Number of students: 846.

ERSKINE COLLEGE

DUE WEST,
SOUTH CAROLINA 29639
Telephone: (803) 379-8833.

Founded 1839.

President: M. Stanyarne Bell.
Director of Admissions: W. W. Lesesne.
Librarian: John Wilde.

The library contains 85,000 volumes.

Number of teachers: 55.
Number of students: 771.

FURMAN UNIVERSITY

GREENVILLE,
SOUTH CAROLINA 29613
Telephone: 294-2000.

Founded 1826.

President: John E. Johns, ph.d.
Vice-President: F. W. Bonner, ph.d.
Registrar: Paul H. Anderson.
Librarian: R. C. Tucker, ph.d.

The library contains 250,000 vols.

Number of teachers: 154.
Number of students: 2,631.

Publications: *Studies* (semi-annual), *Paladin* (weekly), *The Echo* (literary, semi-annual), *Furman Magazine* (quarterly), *Furman Reports* (quarterly).

Deans:

Academic: John H. Crabtree, Jr., ph.d.
Graduate Studies: G. Melvin Hipps, ed.d.
Continuing Education: L. Phillips, ph.d.

LANDER COLLEGE

GREENWOOD,
SOUTH CAROLINA 29646
Telephone: 229-5521.
Founded 1872.

President: Larry A. Jackson.
Vice-President for Academic Affairs: Oscar C. Page.
Vice-President for College Relations: Charles Dunn.
Dean of Student Affairs: Randy Bouknight.
Comptroller: Neil Steifle, Jr.
Registrar: Earl Hendricks.
Librarian: Mrs. Ann T. Hare.

The library contains 91,484 vols.

Number of teachers: 90.
Number of students: 1,661.

LIMESTONE COLLEGE

GAFFNEY,
SOUTH CAROLINA 29340
Telephone: (803) 489-7151.
Founded 1845.

President: Dr. Jack J. Early.
Dean of the College: Dr. S. Wallace Taylor.
Registrar: J. E. Harlow.
Librarian: Judy Abner.

The library contains 58,338 vols.

Number of teachers: 34 (full-time).
Number of students: 809.

NEWBERRY COLLEGE

NEWBERRY,
SOUTH CAROLINA 29108
Telephone: (803) 276-5010.
Founded 1856.

Private control (Lutheran Church of America).

President: Glenn E. Whitesides, ph.d.
Librarian: John Sukovich.

The library contains 80,000 vols.

Number of teachers: 53.
Number of students: 850.

Publications: *Dimensions, Studies in Short Fiction* (quarterly), *The Indian* (weekly), *Kinnikinnick* (annually).

PRESBYTERIAN COLLEGE

CLINTON,
SOUTH CAROLINA 29325
Telephone: (803) 833-2820.
Founded 1880.

President: Dr. Marc C. Weersing.
Academic Dean: Dr. Donald A. King.
Dean of Students: Joseph O. Nixon.
Director of Admissions: William K. Jackson.
Librarian: Dr. L. Pearson.

The library contains 106,000 vols.

Number of teachers: 54.
Number of students: 900.

SOUTH CAROLINA STATE COLLEGE

ORANGEBURG,
SOUTH CAROLINA 29117
Telephone: 534-6560.

Founded 1896.

President: M. Maceo Nance, Jr.
Director, Admissions and Records: T. J. Crawford.
Registrar: Mrs. Edith Vaughn.
Librarian: Miss Barbara J. Williams.

The library contains 132,673 volumes.

Number of teachers: 162.
Number of students: 3,519.

UNIVERSITY OF SOUTH CAROLINA

COLUMBIA,
SOUTH CAROLINA 29208
Telephone: 777-5266.

Chartered 1801; Opened 1805.

President: James B. Holderman, ph.d.
University Secretary: George Curry, ph.d.
Provost: Francis T. Borkowski, ph.d.
Vice-President for Student Affairs: James B. Campbell, ed.d.
Vice-President for Two-Year Campuses and Continuing Education: John J. Duffy, ph.d.
Systems Vice-President for Finance: B. A. Daetwyler, b.a.
Vice-President for Operations: H. Brunton, m.e.
Registrar: T. Luke Gunter.
Director of Admissions: A. West.
Librarian: Kenneth E. Toombs.

The library contains over 1,000,000 vols.

Number of teachers: 1,724 (all campuses).

Number of students: 31,000 (all campuses).

Publications: Annual Bulletins of Schools and Colleges.

Deans:

College of Science, Mathematics and Statistics: James R. Durig, ph.d.
College of Business Administration: James F. Kane, d.b.a.
College of Education: Leon Lessinger, ed.d.
College of Engineering: J. D. Waugh, m.s.
College of Humanities and Social Science: Chester W. Bain, ph.d.
College of Journalism: A. Scroggins, ph.d.
College of Pharmacy: Julian H. Fincher, ph.d.
School of Law: Richard E. Day.
College of Nursing: Betty M. Johnson, ph.d.
College of General Studies: Harry E. Varney, ed.d.
College of Social Work: J. I. Hungate, ph.d.
College of Health and Physical Education: Warren Giese, ph.d.

College of Librarianship: F. William Summers, Ph.D.

College of Criminal Justice: William J. Mathias, Ed.D.

Graduate School: George M. Reeves, D.U.

School of Medicine: Roderick Macdonald, M.D.

School of Public Health: W. B. Vernberg, Ph.D.

WINTHROP COLLEGE

ROCK HILL,
SOUTH CAROLINA 29733
Telephone: (803) 323-2211.
Founded 1886.

College of Arts and Sciences, School of Business Administration, School of Education, School of Home Economics, School of Music.

President: Charles B. Vail.

Provost: F. I. Brownley, Jr.

Director of Records and Education: Jane M. Tucker.

Director of Admissions: E. N. Knight.

The library contains over 250,000 vols.

Number of teachers: 273.
Number of students: 4,481.

Publications: *The Johnsonian*† (weekly), *Winthrop College News*† (quarterly), *The Tatler, The Anthology* (annually).

Deans:

Arts and Sciences: W. C. Moran.

Business Administration: J. H. Padgett.

Education: J. H. Boger.

Home Economics: S. M. Greer (acting).

Music: J. T. Casey.

WOFFORD COLLEGE

SPARTANBURG,
SOUTH CAROLINA 29301
Telephone: 585-4821.
Founded 1854.

President: Joab M. Lesesne, Jr.

Registrar: E. B. Sydnor.

Dean of the College: B. G. Stephens.

Director of Admissions: M. Elton Hendricks.

Director of Development: Daniel D. Gilbert.

Director of Finance: Edward E. Greene.

Librarian: F. J. Anderson.

The library contains 131,700 vols.

Number of teachers: 59 full-time, 16 part-time.
Number of students: 1,020.

Publications: *Wofford Today*† (newspaper), *Wofford Bulletin.*

SOUTH DAKOTA

AUGUSTANA COLLEGE

29TH AND SUMMIT, SIOUX FALLS,
SOUTH DAKOTA 57102
Telephone: 336-0770.
Founded 1860.

President: Dr. Charles L. Balcer.
Executive Vice-President: Dr. T. Kilian.
Vice-President for Academic Affairs: Dr. W. Matthews.
Vice-President for Business Affairs: Dr. Chet Whitney.
Vice-President for Student Affairs: Dr. J. Thompson.
Vice-President for Development: Robert Evenson.
Registrar: Mrs. Sharon Neish.
Director of Admissions: H. K. Melemseter.
Librarian: Raymond Dunmire.

The library contains 130,000 vols.
Number of teachers: 130.
Number of students: 2,200.

BLACK HILLS STATE COLLEGE

SPEARFISH,
SOUTH DAKOTA 57783
Telephone: (605) 642-6111.
Founded 1883.

President: J. Gilbert Hause.
Registrar: Margaret Sager.
Director of Admissions: G. Bauer.
Director of Library—Learning Center: Dr. Edwin Erickson.

The library contains 95,668 vols.
Number of teachers: 100.
Number of students: 1,852.

DAKOTA STATE COLLEGE

MADISON,
SOUTH DAKOTA 57042
Telephone: 256-3551.
Founded 1881.

President: Dr. Carleton Opgaard.
Dean of Instruction: Dr. John Ryan.
Registrar: Helen Simmons.
Librarian: Joseph Paulukonis.

The library contains 67,548 vols.
Number of teachers: 53.
Number of students: 900.

DAKOTA WESLEYAN UNIVERSITY

MITCHELL,
SOUTH DAKOTA 57301
Telephone: 996-6511.
Founded 1885.

President: Dr. Donald E. Messer.
Registrar: Mrs. Amelia A. Gaetze.
Business Manager: C. J. Mogen.
Vice-President for Academic Affairs: Dr. John V. Hartung.
Director of Learning Resources: Stanley Planton.

The library contains *c.* 77,000 vols.
Number of teachers: 65
Number of students: 562.

HURON COLLEGE

HURON, SOUTH DAKOTA 57350
Telephone: (605) 352-8721.
Founded 1883.

President: Dr. W. L. Jahnke.
Dean of the College: Dr. Merton E. Sherman.
Registrar: Elizabeth van Buren.
Director of Admissions: Douglas Almond.
Librarian: R. Franks.

The library contains 57,628 volumes.
Number of teachers: 29.
Number of students: 350.

MOUNT MARTY COLLEGE

1100 WEST 5TH, YANKTON,
SOUTH DAKOTA 57078
Telephone: 668-1011.
Founded 1936.

President: Dr. William V. Tucker.
Registrar: Sister M. Aidan Bourke.
Librarian: Glenn Sundvold.

The library contains 71,500 vols.
Number of teachers: *c.* 50.
Number of students: *c.* 580.

NORTHERN STATE COLLEGE

12TH AVE. AND JAY ST.,
ABERDEEN,
SOUTH DAKOTA 57401
Telephone: 622-3011.
Founded 1901.

President: Joseph M. McFadden.
Director of Admissions and Records: R. Van Beek.
Librarian: J. Mauseth.

The library contains 175,000 vols.
Number of teachers: 120.
Number of students: 2,400.

SIOUX FALLS COLLEGE

SIOUX FALLS,
SOUTH DAKOTA 57101
Telephone: (605) 336-2850.
Founded 1883.

Pre-professional Liberal Arts College.

President: Owen P. Halleen.
Registrar: Maynard H. Berk.
Librarian: Jane Kolbe.

The library contains 72,000 vols.

Number of teachers: 31 full-time, 14 part-time.
Number of students: 680.

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

RAPID CITY,
SOUTH DAKOTA 57701
Telephone: (605) 394-2411.
Founded 1885.

President: R. A. Schleusener.
Vice-President and Dean of Engineering: Richard J. Gowen.

Dean of Graduate Division and Director of Research: R. NORMAN ORAVA.
Dean of Students: H. C. PETERSON.
Registrar: R. H. MOORE.
Director of Library: P. F. McCAULEY.

The library contains 157,356 vols.

Number of teachers: 109.
Number of students: 1,812.

SOUTH DAKOTA STATE UNIVERSITY

COLLEGE STATION,
BROOKINGS,
SOUTH DAKOTA 57006

Founded as Dakota Agricultural College 1883, University 1964.

President: SHERWOOD BERG, M.S., PH.D.
Vice-President for Administration: D. PEARSON, J.D.
Director of Finance: W. A. BUGG.
Dean of Student Services: J. PEDERSEN, PH.D.
Vice-President for Academic Affairs: H. S. BAILEY, PH.D.
Director of Library: A. L. RANEY.

The library contains 280,000 vols.

Number of teachers: 453 full-time.
Number of students: 6,500.

UNIVERSITY OF SOUTH DAKOTA

VERMILLION,
SOUTH DAKOTA 57069

Telephone: (605) 677-5011.

Founded 1862.

President: CHARLES D. LEIN, ED.D.
Provost: CARROLL KRAUSE, ED.D.

The library contains 349,972 vols.

Number of teachers: 369.
Number of students: 5,625.

DEANS:

College of Arts and Sciences: JOSEPH CASH, PH.D.
School of Business: D. CLEMENT, PH.D.
School of Education: T. E. MORIARTY, ED.D.
College of Fine Arts: W. S. KNUTSON, PH.D.
School of Law: R. K. BURKE, PH.D.
School of Medicine: K. WEGNER, M.D.
School of Nursing: B. SUGA, M.A.
Graduate School: NORMAN HEIMSTRA, PH.D.

UNIVERSITY OF SOUTH DAKOTA AT SPRINGFIELD

SPRINGFIELD,
SOUTH DAKOTA 57062

Telephone: 369-2201.

Founded 1881.

Provost: Dr. CARROL KRAUSE.
Dean of Instruction: Dr. THOMAS C. STONE.
Registrar: R. E. HOWE.
Librarian: JOEL HANSON.

The library contains 82,700 vols.

Number of teachers: 65.
Number of students: 830.

DEANS:

Business Education and Office Administration: Dr. MARVIN SCHAMBER.
Construction Technology: H. NICHOLSON.
Electronics Engineering Technology: J. SORENSEN.
Health, Physical Education and Recreation: Dr. LEON KREINER.
Humanities: V. PETRIK.
Mechanical Technology: C. BRYAN.
Physical and Natural Sciences: M. FOSS.
Social and Behavioral Sciences: Dr. LEON KREINER.

YANKTON COLLEGE

YANKTON, SOUTH DAKOTA 57078

Telephone: (605) 665-3661.

Founded 1881.

President: ORLAN E. MITCHELL, PH.D.
Vice-President for Academic Affairs: A. J. CATANA, Jr., PH.D.
Vice-President for Development: RON BERTSCH, M.S.
Business Manager: ROGER N. DIETRICH, M.B.A.
Director of Financial Aid and Career Placement: CLARENCE SHOEMAKER, M.A.
Director of Church Relations: MARK LINDEMOOD.
Director of Development: HERB WENZ.
Director of Public Relations: JUDY VAN DERHULE, B.A.
Dean of Admissions: A. P. SCHENK.
Dean of Faculty: JOHN NIES.
Librarian: PATRICIA McDONALD, M.A.

The library contains 65,000 volumes.
Number of teachers: 40.
Number of students: 400.

Courses in the humanities, fine arts, natural and social sciences, physical education; professional and pre-professional training.

TENNESSEE

AUSTIN PEAY STATE UNIVERSITY

CLARKSVILLE, TENNESSEE 37040

Telephone: (615) 648-7566.

Founded 1927.

President: ROBERT O. RIGGS.
Vice-President for Academic Affairs: JAMES SAWREY.
Vice-President for Student Affairs: C. BOEHMS.
Business Manager: ERLE COPPEDGE.
Registrar: G. S. GENTRY.
Librarian: ROBERT SIMMONS.

The library contains 197,727 vols.

Number of teachers: 187.
Number of students: 4,926.

BELMONT COLLEGE

NASHVILLE, TENNESSEE 37203

Telephone: (615) 383-7001.

Founded 1951.

President: HERBERT C. GABHART.
Registrar: R. E. UNDERWOOD.
Librarian: H. A. BROWN.

The library contains 71,835 vols.

Number of teachers: 69.
Number of students: 1,267.

Publications: *The Tower* (annual), *Vision* (monthly), *Belmont Circle* (quarterly).

DEANS:

Academic: G. E. KELLEY.
Students: K. B. SIDWELL.
Women: LUCILLE P. WARDIN.

BETHEL COLLEGE

McKENZIE, TENNESSEE 38201

Telephone: 352-5321.

Founded 1842.

President: WILLIAM L. ODOM.
Dean: RAYMOND BURROUGHS.
Registrar: SHIRLEY MARTIN.
Director of Development: IRENE PERRITT.
Librarian: Mrs. R. BOULDIN.

The library contains 68,754 vols.

Number of teachers: 23.
Number of students: 320.

Publications: *Bethel Beacon* (monthly), *Log Cabin* (annually), *Alumni Bulletin* (bi-monthly).

CARSON-NEWMAN COLLEGE

SOUTH RUSSELL AVE.,
JEFFERSON CITY,
TENNESSEE 37760

Founded 1851.

President: J. CORDELL MADDOX.

Treasurer: ROBERT DRINNEN.

The library contains 133,645 vols.

Number of teachers: 95.
Number of students: 1,509.

Publications: *Today, Orange and Blue, The Eagle's Quill, Faculty Studies*†, *College Catalog*†.

CHRISTIAN BROTHERS COLLEGE

650 EAST PARKWAY SOUTH,
MEMPHIS, TENNESSEE 38104

Telephone: (901) 278-0100.

Founded 1871.

Private (Roman Catholic) control.

President: Bro. BERNARD LoCOCO, F.S.C.
Registrar: Bro. J. WEGENER, F.S.C.
Librarian: Dr. A. WAYNE DENTON, PH.D., M.L.S.

The library contains 75,000 vols.
Number of teachers: 82.
Number of students: 1,012.

DAVID LIPSCOMB COLLEGE

NASHVILLE, TENNESSEE 37203

Telephone: (615) 385-3855.

Founded 1891.

President: WILLARD COLLINS.

Vice-Presidents: CARL MCKELVEY (Campus Affairs), MACK WAYNE CRAIG (Institutional Planning), EDSEL F. HOLMAN (Business Affairs).
Academic Dean: EARL DENNIS.
Librarian: J. E. WARD.

The library contains 125,458 vols.
Number of teachers: 112.
Number of students: 2,172.

EAST TENNESSEE STATE UNIVERSITY

UNIVERSITY STATION,
JOHNSON CITY,
TENNESSEE 37601
Telephone: 929-4112.
Founded 1911.

President: Dr. ARTHUR H. DEROSIER, Jr.
Dean of Admissions: J. W. LOYD.
Vice-President for Academic Affairs: Dr. CHRISTOPHER BRAMLETT.
Vice-President for Administration: (vacant).
Librarian: Dr. ED WALTERS.

The library contains 500,000 vols.

Number of teachers: 433 full-time, 78 part-time.
Number of students: 10,288.

DEANS:

Arts and Sciences: G. N. DOVE.
Education: L. SCOTT HONAKER.
Business: JAMES MCLEAN.
College of Health: J. P. LAMB.
Graduate Studies: ELIZABETH MCMAHAN.
Further Education: Dr. BENJAMIN CARMICHAEL.

FISK UNIVERSITY

NASHVILLE,
TENNESSEE 37203
Opened as Fisk School 1866; Chartered as University 1867.

President: Dr. WALTER J. LEONARD.
Vice-President for Business and Financial Affairs: MICHAEL ZAVELLE.
Dean of the University: Dr. OSCAR WOOLFOLK.
Director of Student Life: BEN J. PUGH.

The library contains 182,840 vols.
Number of teachers: 69 full-time, 27 part-time.
Number of students: 1,281.

Publications: *Bulletin* (annually), *Alumni News* (quarterly), *Fisk News* (quarterly), *Fisk Informer* (every 2 months).

GEORGE PEABODY COLLEGE FOR TEACHERS

NASHVILLE,
TENNESSEE 37203
Founded 1875. Private Liberal Arts and Teachers College.

President: JOHN DUNWORTH.
Academic Vice-President: W. D. MCCLURKIN.
Administrative Vice-President: W. FORCE.
Dean of Graduate School: C. B. HUNT.
Dean of Undergraduate College: J. PHELPS.
Dean of Admissions: A. COOK.

The library contains 1,260,000 volumes and publications.
Number of teachers: 180.
Number of students: 2,129.

KING COLLEGE

BRISTOL, TENNESSEE 37620
Founded 1867.

President: ROY K. PATTESON, Jr.
Vice-President for Academic Affairs: EDWARD W. BURKE, Jr.
Dean: W. J. WADE.
Business Manager: J. E. DILLOW.

The library contains 69,000 vols.
Number of students: 323.
Publication: *Bulletin*.

KNOXVILLE COLLEGE

901 COLLEGE ST., KNOXVILLE,
TENNESSEE 37921
Telephone: (615) 546-0751.
Founded 1875.

President: Dr. RUTHERFORD H. ADKINS.
Dean: Dr. ELDRED D. DAVIS.
Registrar: Miss FRANCES E. CLARK.
Librarian: Mrs. LOIS CLARK.

The library contains 74,000 vols.
Number of teachers: 52.
Number of students: 800.

LAMBUTH COLLEGE

JACKSON, TENNESSEE 38301
Telephone: (901) 427-6743.
Founded 1843.

President: JAMES S. WILDER, Jr.
Executive Vice-President and Dean of the College: W. H. WHYBREW.
Administrative Vice-President and Director of Admissions: WILLIAM H. NACE.
Vice-President for Development—Alumni Affairs: FRED BREWSTER.
Business Manager: J. C. MITCHELL.
Librarian: Mrs. JUDITH HAZLEWOOD.

The library contains 90,000 vols.
Number of teachers: 65.
Number of students: 850.

LANE COLLEGE

545 LANE AVE., JACKSON,
TENNESSEE 38301
Telephone: 424-4600.
Founded 1882.

President: HERMAN STONE, Jr.
Registrar: G. L. THACKER
Dean of Instruction: CLARENCE O. EPPS.
Business Manager: R. D. MERRIWEATHER.
Librarian: Mrs. ANNA L. COOKE.

The library contains 79,312 vols.
Number of teachers: 45.
Number of students: 679.

LE MOYNE-OWEN COLLEGE

807 WALKER AVENUE,
MEMPHIS, TENNESSEE 38126
Telephone: 948-6626.
Founded 1870.

President: WALTER L. WALKER.
Registrar: Mrs. NELLIE POWELL.
Librarian: MAE I. FITZGERALD.

The library contains 75,000 vols.
Number of teachers: 55.
Number of students: 1,100.

LINCOLN MEMORIAL UNIVERSITY

HARROGATE, TENNESSEE 37752
Telephone: (615) 869-3611.
Founded 1897.

President: FRANK W. WELCH.
Executive Vice-President: G. J. BURCHETT.
Administrative Assistant: BRYAN PAYNE.
Academic Dean: JIM CARAWAY.
Dean, Off-Campus Divisions: TOM JONES.
Director of Admissions: J. MCCUNE.
Librarian: ELIZABETH GRAVES.

The library contains 60,000 vols.
Number of teachers: 55.
Number of students: 860.

Publication: *The Lincoln Herald* (quarterly).

MARYVILLE COLLEGE

MARYVILLE, TENNESSEE 37801
Telephone: (615) 982-6412.
Founded 1819.

President: Dr. WAYNE W. ANDERSON.
Academic Vice-President: Dr. ALFRED PERKINS.
Administrative Vice-President: NEIL MCDADE.
Registrar: Miss MARTHA HESS.
Director of Admissions: RICHARD ZIEGLER.
Librarian: Miss JANE SAVAGE.

The library contains 108,233 vols.
Number of teachers: 50.
Number of students: 650.

THE MEMPHIS ACADEMY OF ARTS

OVERTON PARK,
MEMPHIS, TENNESSEE 38112
Telephone: (901) 726-4085.
Founded 1936.

Director: JAMESON M. JONES.
Registrar: KAY BETTS.
Librarian: ROBERT SCARLETT.

The library contains 15,000 vols.

Number of teachers: 17 full-time, 10 part-time.

Number of students: 210 full-time, 500 part-time.

MEMPHIS STATE UNIVERSITY

MEMPHIS, TENNESSEE 38152

Founded 1912.

President: BILLY M. JONES.
Vice-President for Academic Affairs: JERRY BOONE.
Vice-President for Business and Finance: R. EUGENE SMITH.
Vice-President for Student Affairs: DONALD CARSON.
Vice-President for Continuing Education and Public Service: JOHN RHODES.
Librarian: LESTER J. POURCIAU, Jr.

The library contains 700,000 vols.
Number of teachers: 825.
Number of students: 22,695.

Publications: *The Southern Journal of Philosophy* (quarterly), *Educational Quest, Catalogue, Law Review, The Columns.*

MIDDLE TENNESSEE STATE UNIVERSITY

MURFREESBORO,
TENNESSEE 37132

Telephone: (615) 898-2300.

Founded 1911.

Academic year: mid-August to mid-May.

President: M. G. SCARLETT.
Vice-President for Finance and Administration: MORRIS F. BASS.
Vice-President for Academic Affairs: Dr. H. KIRKSEY.
Vice-President for Student Affairs: Dr. H. WAGNER.
Dean of Admissions: Dr. F. GLASS.
Librarian: J. D. MARSHALL.

The library contains 320,175 vols.
Number of teachers: 470.
Number of students: 10,514.

DEANS:

School of Business and Economics: Dr. A. SIMON.
School of Basic and Applied Sciences: Dr. E. S. VOORHIES.
School of Education: Dr. D. POCKAT.
School of Liberal Arts: Dr. H. C. TUCKER.
Graduate School: Dr. R. ADEN.

MILLIGAN COLLEGE

TENNESSEE 37682

Telephone: (615) 929-0116.

Founded 1866 (reorganised 1881).

President: JESS W. JOHNSON.
Academic Dean: KENNETH W. OOSTING.
Library Director: J. W. NETH, Jr.

The library contains *c.* 106,500 vols.
Number of teachers: 60.
Number of students: 786.

SCARRITT COLLEGE

NASHVILLE, TENNESSEE 37203

Telephone: (615) 327-2700.

Founded 1892.

Private Methodist control; Upper Division liberal arts college and graduate school specializing in education for church vocation apart from ordained ministry.

President: Dr. DOUGLAS REID SASSER.
Dean of Academic Affairs: (vacant).
Business Manager: ED PITTINGER.
Director of Development: ROBERT GENTRY.
Dean of Students: MARY LOU GILBERT, M.R.E.
Registrar: NATHALIE PENNINGTON, M.A.
Librarian: VIVIAN C. MORTER.

The library contains 48,000 vols.
Number of teachers: 15 full-time, 9 part-time.
Number of students: 336.
Publication: *The Scarritt Bulletin.*

SOUTHERN MISSIONARY COLLEGE

COLLEGEDALE,
TENNESSEE 37315

Telephone: 396-2111.

Founded 1892.

President: Dr. F. KNITTEL.
Registrar: KENNETH SPEARS.
Librarian: C. DAVIS.

The library contains 120,000 vols.
Number of teachers: 110.
Number of students: 1,817.

SOUTHWESTERN AT MEMPHIS

2000 NORTH PARKWAY,
MEMPHIS, TENNESSEE 38112

Telephone: (901) 274-1800.

Founded 1848.

Liberal Arts College.

President: JAMES H. DAUGHDRILL, Jr.
Registrar: J. TURPIN.
Dean of Admissions: R. M. ALLEN.
Librarian: LYNNE M. BLAIR.

The library contains 162,000 vols.
Number of teachers: 91 full-time.
Number of students: 1,000.

TENNESSEE STATE UNIVERSITY

3500 CENTENNIAL BOULEVARD,
NASHVILLE, TENNESSEE 37203

Founded 1912.

President: FREDERICK S. HUMPHRIES.
Vice-President: Dr. BERNARD CROWELL.
Registrar: CASS F. TEAGUE.
Librarian: Dr. EVELYN FANCHER.

The library contains 214,412 vols.
Number of teachers: 302.
Number of students: 5,698.

TENNESSEE TECHNOLOGICAL UNIVERSITY

COOKEVILLE,
TENNESSEE 38501

Telephone: 526-9541.

Founded 1915.

President: ARLISS L. ROADEN.
Dean of Admissions: H. LAWSON.
Provost and Academic Vice-President: W. S. PRESCOTT.
Director of Business and Fiscal Affairs: JAMES SIMMONS.
Director of Library Services: DUDLEY V. YATES.

The library contains 748,118 vols.
Number of teachers: 368.
Number of students: 7,445.

TENNESSEE WESLEYAN COLLEGE

P.O.B. 40, ATHENS,
TENNESSEE 37303

Telephone: (615) 745-9523.

Founded 1857.

President: Dr. GEORGE E. NAFF, Jr.
Dean: Dr. ROBERT W. EVANS.
Director of Admissions: CARL A. PAGLES.

The library contains *c.* 57,000 vols.
Number of teachers: 30.
Number of students: 400.

TUSCULUM COLLEGE

GREENEVILLE,
TENNESSEE 37743

Telephone: (615) 639-2661.

Founded 1794.

President: THOMAS G. VOSS.
Registrar: E. HURLEY.

The library contains 55,421 volumes.
Number of teachers: 30.
Number of students: 425.

UNION UNIVERSITY

JACKSON, TENNESSEE 38301

Telephone: (901) 668-1818.

Founded 1825.

President: Dr. ROBERT E. CRAIG.
Director of Admissions: Dr. MILBURN BLANTON.
Vice-President for Academic Affairs: Dr. HYRAN E. BAREFOOT.
Librarian: HAROLD BASS.

The library contains 70,480 vols.
Number of teachers: 75.
Number of students: 1,136.

UNIVERSITY OF TENNESSEE SYSTEM

KNOXVILLE, TENNESSEE 37916

Telephone: (615) 974-0111.

Chartered 1794 as Blount College. Name changed by legislature 1840 to East Tennessee University, and in

1879 to The University of Tennessee. Major campuses at Chattanooga, Knoxville, Martin, Memphis and Nashville.

State control; Academic year: September to August (four terms, except Chattanooga—three terms).

President: Edward J. Boling, M.S., ED.D.
Executive Vice-President, Vice-President for Development: Joseph E. Johnson, A.M., ED.D.
Vice-President for Academic Affairs: John W. Prados, M.S., PH.D.
Vice-President for Agriculture: Webster Pendergrass, M.S., D.P.A.
Vice-President for Continuing Education: Charles H. Weaver, M.S., PH.D.
Vice-President for Health Affairs: T. Albert Farmer, B.S., M.D.
Vice-President for Public Service: Charles E. Smith, B.S., A.M., PH.D.
Vice-President for Business and Finance: Emerson H. Fly, B.S., C.P.A.

Libraries: *see* Libraries.

Number of teachers: 3,493.
Number of students: 50,467.

Publications: *The University Record*, Extension Series (4 to 6 a year), *Tennessee Alumnus, Horizons* (both quarterly).

Knoxville Campus

Chancellor: Jack Reese, A.M., PH.D.
Vice-Chancellor for Academic Affairs: Walter Herndon, M.S., PH.D.
Vice-Chancellor for Business and Finance: Homer S. Fisher.
Vice-Chancellor for Graduate Studies and Research: L. Evans Roth, B.A., M.S., PH.D.
Vice-Chancellor for Planning and Administration: Dr. Luke Ebersole, A.M., PH.D.
Vice-Chancellor for Student Affairs: Howard F. Aldmon, A.M., ED.D.

Deans:

Admissions and Records: J. McDow, M.S., PH.D.
College of Agriculture: O. G. Hall, M.S., PH.D.
College of Architecture: D. Hanson, M.ARCH.
College of Business Administration: C. Warren Neel, PH.D.
College of Communications: D. G. Hileman, M.S., PH.D.
College of Education: William H. Coffield, PH.D.
College of Engineering: F. N. Peebles, M.S., PH.D.
College of Home Economics: Lura Mae Odland, M.S., PH.D.
College of Law: K. L. Penegar, J.D., LL.M.
College of Liberal Arts: Robert G. Landen.
College of Veterinary Medicine: W. W. Armistead, D.V.M., M.SC., PH.D.
Division of Continuing Education: J. Goddard, M.S., ED.D.
Graduate School of Social Work: B. Granger, M.P.A., M.S.S.W., PH.D.
Graduate Studies: Margaret Perry, M.S., PH.D.
Research: C. Thomas, PH.D.
College of Nursing: Sylvia Hart, M.S.N., PH D.
Oak Ridge Graduate School of Biomedical Sciences: W. E. Barnett, M.S., PH.D.
School of Health, Physical Education and Recreation: Madge Phillips, PH.D. (Director).
School of Library and Information Science: Ann Prentice, D.L.S. (Director).
School of Planning: J. Spencer, M.C.P. (Director).
Space Institute: C. Weaver, PH.D.

Professors:

College of Liberal Arts:
Adams, P. G., English
Adler, Sol, Audiology and Speech Pathology
Allen, R. G., Speech and Theatre
Asp, C. W., Audiology and Speech Pathology
Bagby, R. M., Zoology
Barrett, L. K., Mathematics
Barrette, P. E., Romance Languages
Bass, W. M., Anthropology
Beck, R. W., Microbiology
Bingham, C. R., Physics
Birkhoff, R. D., Physics
Black, J. A., Sociology
Bowman, N. S., Chemistry
Bradley, J. S., Mathematics
Bratton, E. W., English
Breazeale, M. A., Physics
Briggs, G., Geology
Broeker, G., History
Brown, A., Microbiology
Brown, D. G., Biology Co-ordination
Bugg, W. M., Physics
Bull, W. E., Chemistry
Bunting, D. L., II, Zoology
Burghardt, G. M., Psychology
Byrne, J. F., Psychological Clinical Training
Calhoun, W. H., Psychology
Carlisle, D. H., Political Science
Carlson, J. G., Zoology
Carruth, J. H., Mathematics
Carter, W. P., Music
Champion, D. J., Sociology
Chmielewski, E. V., History
Christophorou, L. G., Physics
Churchich, J. E., Biochemistry
Clarke, R. A., Arts
Cleaver, D. G., Arts
Clebsch, E. E., Botany
Cobb, C. W., Romance Languages
Collins, C. J., Chemistry
Condo, G. T., Physics
Cooke, T. P., Speech and Theatre
Cooper, P. J., Romance Languages
Cothran, R. M., Jr., Speech and Theatre
Curry, K., English
Daniel, J. C., Jr., Zoology
Daverman, R. J., Mathematics
Davis, J .W., Philosophy
Dean, J. A., Chemistry
Deeds, W. W., Physics
Deselm, H. R., Botany
Devine, G. F., Music
Dorn, W. J., Music
Drake, R. Y., Jr., English
Duncan, R. E., History
Dungan, D. L., Religious Studies
Duvall, P. F., Mathematics
Eastham, J. F., Chemistry
Edwards, R. B., Philosophy
Engel, B. B., Speech and Theatre
Etnier, D. A., Zoology
Falen, J. E., Germanic and Slavic Languages
Faulkner, C. H., Anthropology
Fields, J. F., Speech and Theatre
Fine, H. J., Psychological Clinical Training
Fisher, J. H., English
Fletcher, W. H., Chemistry
Fowler, J. L., Physics
Fox, K., Physics
Frandsen, H., Mathematics
Fraser, R. C., Zoology
Fred, H. W., Music
Fuller, H. W., Germanic and Slavic Languages
Gailar, N. M., Physics
Gardiner, D. A., Mathematics
Graf, L. P., History
Gregg, J. B., Anthropology
Gregory, R. T., Computer Science
Grell, R. F., Zoology
Haas, A.G., History
Hallam, T. G., Mathematics
Hammond, E. H., Geography
Handler, L., Psychological Clinical Training
Hansen, J. A., Jr., English
Hao, Yen-ping, History
Harris, E. G., Physics
Haskins, R. W., History
Henshaw, W., Speech and Theatre
Hiller, R. L., Germanic and Slavic Languages
Hinton, D. B., Mathematics
Hochman, B., Zoology
Holford, A. G., Music
Holton, R. W., Botany
Howell, J. C., Zoology
Huber, C. R., Music
Husch, L. S., Mathematics
Iredell, V. R., Political Science
Irving, T. B., Romance Languages
Jeon, Kwang W., Zoology
Jones, L. W., Botany
Jumper, S. R., Geography
Keenan, C. W., Chemistry
Kelly, R. M., English
Kennedy, J. R., Zoology
King, D. T., Physics
Klein, M. M., History
Kleinfelter, D. C., Chemistry
Klepser, H. J., Geology
Kopp, O. C., Geology
Kratz, H., Germanic Languages
Kurka, D. F., Arts
Leggett, B. J., English
Lewald, H. E., Romance Languages
Lietzke, M. H., Chemistry
Liles, J. N., Zoology
Lipscomb, D. M., Audiology and Speech Pathology
Long, R. G., Geography
Lovell, R. J., Physics
Loy, W. F., Arts
Lubar, J., Psychology
Luper, H. L., Audiology and Speech Pathology
Lusby, F. S., Religious Studies
McConnel, R. M., Mathematics
McCormick, J. F., Ecology
McKeeby, B. G., Arts
McLaughlin, R. E., Geology
Mamantov, G., Chemistry
Marius, R. C., History
Mathews, H. T., Mathematics
Maurino, F. D., Romance Languages
Meacham, J. J., Music
Miller, D. D., Mathematics
Miller, F. D., English
Monty, K. J., Biology Co-ordination
Neuen, D. L., Music
Newton, K. R., Psychological Clinical Training
Nichols, P. G., Arts
Nielsen, A. H., Physics

Nimmo, D. D., Political Science
Nordsieck, R. L., Germanic and Slavic Languages
Obenshain, F. E., Jr., Physics
O'Kelley, G. D., Chemistry
Olson, J. S., Botany
Osborne, J. C., Germanic and Slavic Languages
Parmalee, P. W., Anthropology
Pederson, D. M., Music
Petersen, R. H., Botany
Peterson, H. A., Audiology and Speech Pathology
Plaas, H., Political Science
Plemmons, R. J., Computer Science
Ploch, D., Sociology
Pollio, H. R., Psychology
Present, R. D., Physics
Rasch, N., L, Psychological Clinical Training
Ritchie, R. H., Physics
Robinson, N. M., Political Science
Roeder, D., Geology
Rutledge, H. S., Classics
Salo, T. P., Biochemistry
Samejima, F., Psychology
Sanders, N. J., English
Schaefer, P. W., Mathematics
Schmudde, T. H., Geography
Schweinler, H. C., Physics
Schweitzer, G. K., Chemistry
Sellin, I. A., Pnysics
Shirley, D. A., Chemistry
Shivers, C. A., Zoology
Shrader, R. R., Psychology
Silverstein, B., Audiology and Speech Pathology
Stallman, F. W., Mathematics
Starr, W. J., Music
Stelson, P. H., Physics
Stephens, O. H., Jr., Political Science
Stevens, W. H., Arts
Stewart, B. T., English
Sublett, C. C., Arts
Tanner, J. T., Zoology
Taylor, L. A., Geology
Thomson, J. D., Physics
Ungs, T. D., Political Science
Van de Vate, D., Jr., Philosophy
Van Hook, A., Chemistry
Vazquez-Bigi, A. M., Romance Languages
Verplanck, W. S., Psychology
Wahler, R. G., Psychology
Walker, K. R., Geology
Walker, R. H., English
Wallace, A. H., Romance Languages
Wallace, S. E., Sociology
Walne, P. L., Botany
Wehry, E. L., Chemistry
Welborn, D. M., Political Science
Welton, T. A., Physics
Wheeler, T. V., English
White, J. M., English
White, J. W., Physics
Whitson, G. L., Zoology
Wiberley, J. A., Psychology
Williams, T. F., Chemistry
Woodward, J. M., Microbiology
Wright, Nathalia, English
Wust, C. J., Microbiology
Yeomans, G. A., Speech and Theatre
Zambara, E. H., Music

College of Home Economics:

Beauchene, R. E., Food Science, Nutrition and Food Systems Administration
Blakemore, R. G., Crafts, Interior Design Housing
Campbell, A. M., Food Science, Nutrition and Food Systems Administration
Falsetti, J. S., Crafts, Interior Design Housing
Highberger, R. L., Child and Family Studies
Hitchcock, M. J., Food Science, Nutrition and Food Systems Administration
Kuipers, J. L., Child and Family Studies
Savage, J. R., Food Science, Nutrition and Food Systems Administration
Smith, J. T., Food Science, Nutrition and Food Systems Administration
Treece, A. J., Textiles and Clothing

College of Engineering:

Alexeff, I., Electrical Engineering
Bailey, J. F., Mechanical and Aerospace Engineering
Bailey, J. M., Electrical Engineering
Blalock, T. V., Electrical Engineering
Bodenheimer, R. E., Electrical Engineering
Bogue, D. C., Chemical and Metallurgical Engineering
Borie, B. S., Jr., Chemical and Metallurgical Engineering
Brooks, C. R., Jr., Chemical and Metallurgical Engineering
Burdette, E. G., Civil Engineering
Carley, T. G., Engineering Science and Mechanics
Clark, E. E., Chemical and Metallurgical Engineering
Culberson, O. L., Chemical and Metallurgical Engineering
Dewey, B. R., Engineering Science and Mechanics
Doulet, D. C., Industrial Engineering
Edmondson, A. J., Mechanical and Aerospace Engineering
Eraslan, A. H., Engineering Science and Mechanics
Forrester, J. H., Engineering Science and Mechanics
Frazier, G. C., Chemical and Metallurgical Engineering
Goodpasture, D. W., Civil Engineering
Googe, J. M., Electrical Engineering
Grecco, W., Civil Engineering
Green, W. L., Electrical Engineering
Hodgson, J. W., Mechanical and Aerospace Engineering
Hoffman, G. W., Electrical Engineering
Holland, R. W., Mechanical and Aerospace Engineering
Holmes, J. M., Chemical and Metallurgical Engineering
Hsu, Hsien-wen, Chemical and Metallurgical Engineering
Humphreys, J. B., Civil Engineering
Hung, J. C., Electrical Engineering
Johnson, H. F., Jr., Chemical and Metallurgical Engineering
Johnson, W. S., Mechanical and Aerospace Engineering
Jury, S. H., Chemical and Metallurgical Engineering
Kennedy, E. J., Electrical Engineering
Kerlin, T. W., Jr., Nuclear Engineering
Lee, Ching-wen, Engineering Science and Mechanics
Loveless, H. L., Industrial Engineering
Lundin, C. D., Chemical and Metallurgical Engineering
McHargue, C. J., Chemical and Metallurgical Engineering
Maxwell, R. L., Mechanical and Aerospace Engineering
Milligan, M. W., Mechanical and Aerospace Engineering
Minear, R. A., Civil Engineering
Moore, C. F., Chemical and Metallurgical Engineering
Oliver, B. F., Chemical and Metallurgical Engineering
Pasqua, P. F., Nuclear Engineering
Peebles, P. Z., Electrical Engineering
Perona, J. J., Chemical and Metallurgical Engineering
Pierce, J. F., Electrical Engineering
Pih, Hui, Engineering Science and Mechanics
Robinson, J. C., Nuclear Engineering
Rochelle, R. W., Electrical Engineering
Shobe, L. R., Engineering Science and Mechanics
Shofner, F. M., Electrical Engineering
Smith, B., Jr., Electrical Engineering
Snider, J. N., Industrial Engineering
Snyder, W. T., Engineering Science and Mechanics
Spruiell, J. E., Chemical and Metallurgical Engineering
Stansbury, E. E., Chemical and Metallurgical Engineering
Stevens, P. N., Nuclear Engineering
Tillman, J. D., Jr., Electrical Engineering
Tschantz, B. A., Civil Engineering
Vandermeer, R. A., Chemical and Metallurgical Engineering
Walker, C. R., Civil Engineering
Watson, J. S., Chemical and Metallurgical Engineering
Wegmann, F. J., Civil Engineering
White, J. L., Chemical and Metallurgical Engineering

College of Business Administration:

Anderson, L. P., Finance
Boling, R. W., Industrial Management
Chambers, D. S., Statistics
Cole, W. E., Economics
Cravens, D. W., Marketing and Transportation
Dewhirst, H. D., Industrial Management
Dicer, G. N., Marketing and Transportation
Dittrich, N. E., Accounting
Dotterweich, W. W., Jr., Finance
Duvall, R. M., Finance
Feiwel, G. R., Economics
Fisher, B. D., Accounting
Frye, J. L., Marketing and Transportation
Gordon, M. E., Industrial Management
Hendrix, F. L., Marketing and Transportation
Henry, H., W., Industrial Management
Hills, G. E., Marketing and Transportation
Holly, J. F., Economics
Jensen, H. E., Economics
Johnson, D. L., Industrial Management
Johnson, H. L., Finance
Lambert, E. W., Jr., Finance
Larsen, J. M., Jr., Industrial Management
Lee, Feng-yao, Economics
McClean, R. A., Statistics
Moore, J. R., Economics
Neale, W. C., Economics
Reed, S. K., Industrial Management
Reese, D., Office Administration
Spiva, G. A., Jr., Economics
Thigpen, C. C., Statistics
Townsend, M. L., Accounting
Vance, S. C., Industrial Management
Wagoner, G. A., Office Administration
Whitlock, G. H., Industrial Management
Williams, J. R., Accounting
Wolf, R. H., Economics
Woodruff, R. B., Marketing and Transportation

College of Education:

Achilles, C. M., Bureau of Educational Research and Service
Alexander, J. E., Curriculum and Instruction

Allison, C. B., Curriculum and Instruction
Ball, C. H., Arts and Music Education
Bellon, J. J., Curriculum and Instruction
Burns, P. C., Curriculum and Instruction
Christiansen, M. A., Curriculum and Instruction
Coakley, C. B., Vocational and Technical Education, Administration
Davis, A. R., Curriculum and Instruction
De Ridder, L. M., Educational Psychology and Guidance
Dessart, D. J., Curriculum and Instruction
Dietz, S. C., Educational Psychology and Guidance
Doll, E. E., Special Education and Rehabilitation
Franks, B. D., School of Health, P.E. and Recreation
French, R. L., Curriculum and Instruction
Frey, R. M., Special Education and Rehabilitation
Haaby, L. O., Curriculum and Instruction
Hargis, C. H., Special Education and Rehabilitation
Haskell, R. W., Vocational and Technical Education, Administration
Holbert, W. M., Special Education and Rehabilitation
Huck, S. W., Educational Psychology and Guidance
Huffman, W. J., School of Health, P.E. and Recreation
Humphreys, A. W., Arts and Music Education
Johnston, A. M., Curriculum and Instruction
Jones, J. H., Arts and Music Education
Julian, W. J., Arts and Music Education
Kirk, R. H., School of Health, P.E. and Recreation
Logan, N. P., Vocational and Technical Education, Administration
Lovell, J. T., Educational Administration
McClain, E. W., Educational Psychology and Guidance
McInnis, M., Continuing and Higher Education
Malik, A., Curriculum and Instruction
Matthews, J., Vocational and Technical Education
Murphy, W. C., Curriculum and Instruction
O'Fallon, O. K., Bureau of Educational Research and Service
Peccolo, C. M., Bureau of Educational Research and Service
Peters, J. M., Continuing and Higher Education
Phillips, M. M., School of Health, P.E. and Recreation
Poppen, W. A., Educational Psychology and Guidance
Ramer, E. M., Continuing and Higher Education
Ray, J. R., Curriculum and Instruction
Reed, J. L., Vocational and Technical Education, Administration
Robertson, J. W., Arts and Music Education
Roney, R. K., Educational Administration and Supervision
Schoch, E. W., Educational Psychology and Guidance
Stollar, D. H., Educational Administration
Tanner, C. K., Educational Administration
Thompson, C. L., Educational Psychology and Guidance
Thurman, R. S., Curriculum and Instruction
Trusty, F. M., Educational Administration
Ubben, G. C., Educational Administration
Venditti, F. P., Educational Administration
Wallace, B. C., School of Health, P.E. and Recreation
Welch, H., School of Health, P.E. and Recreation
Wiegers, G. W., Jr., Vocational and Technical Education, Administration
Williams, R. L., Educational Psychology and Guidance
Wishart, A. P., Curriculum and Instruction
Wyatt, W. W., Curriculum and Instruction
Ziegler, E. F., School of Health, P.E. and Recreation

College of Communications:
Cade, D. C., Journalism
Haskins, J. B., Journalism
Holt, D. W., Broadcasting
Joel, R., Advertising
Leiter, B. K., Journalism
Lynn, J. R., Advertising

College of Agriculture:
Badenhop, M. B., Agricultural Economics
Bell, F. F., Plant and Soil Science
Bell, M. C., Animal Science
Bledsoe, B. L., Agricultural Engineering
Bletner, J. K., Animal Science
Brown, D. W., Agricultural Economics
Chamberlain, C. C., Animal Science
Collins, J. L., Food Technology and Science
Core, H. A., Forestry
Darden, E. B., Animal Research Laboratory
Dubov, I., Agricultural Economics
Erickson, B. H., Animal Research Laboratory
Fribourg, H. A., Plant and Soil Science
Hall, N. S., Agricultural Biology
Hansard, S. L., Animal Research
Hilty, J. W., Agricultural Biology
Johnson, L. F., Agricultural Biology
Johnson, R. R., Animal Science
Josephson, L. M., Plant and Soil Science
Keller, L. H., Agricultural Economics
Kopp, W. J., Animal Research Laboratory
Leuthold, F. O., Agricultural Economics
McClaren, J. B., Animal Science
McFee, A. F., Animal Research Laboratory
Martin, J. A., Agricultural Economics
Merriman, G. M., Animal Science
Miles, J. T., Food Technology and Science
Montgomery, M. J., Animal Science
Mundt, J. O., Food Technology and Science
Murphree, R. L., Animal Science
Overcast, W. W., Food Technology and Science
Parks, W. L., Plant and Soil Science
Richardson, D. O., Animal Science
Schneider, G., Forestry
Schneider, M. D., Animal Research Laboratory
Seatz, L. F., Plant and Soil Science
Shirley, H. V., Jr., Animal Science
Shrode, R. R., Animal Science
Skold, L. N., Plant and Soil Science
Southards, C. J., Agricultural Biology
Springer, M. E., Plant and Soil Science
Swanson, E. W., Animal Science
Swingle, H. D., Plant and Soil Science
Thor, E., Forestry
Tugwell, R. L., Animal Science
Woods, F. W., Forestry

College of Veterinary Medicine:
Barron, H. T., Rural Practice
Gage, E. D., Urban Practice
Kitchen, H., Environmental Practice
McGavin, M. D., Pathobiology
Michel, R. L., Pathobiology
Smith, P. C., Rural Practice

College of Nursing:
Hart, S. E.
Walker, J. L.

College of Law:
Berch, M. A.
Cole, T. E.
Cook, J. G.
Gromley, C. R.
Jones, D. S.
Lacey, F. W.
Leclerq, F. S.
Mahood, C. R.
Phillips, J. J.
Sewell, T. H.
Thomforde, F. H.

School of Architecture:
Conley, G.
Fortey, J. W.
Grieger, F.
Parkins, R. M.
Shell, W. S.

Graduate School of Social Work:
Bloch, M. H.
Bonovich, R. C.
Fryer, G. W.
Pawlak, E. J.

Graduate School of Bio-medical Sciences:
Billen, D.
Finamore, F. J.
Jacobson, B.
Olins, D. E.
Rahn, R. O.
Uziel, M.

Graduate School of Planning:
Gray, A. J.
Kenney, K. B.
Prochaska, J. M.
Shouse, W. L.

Graduate School of Library Science:
Mauldin, E. E.
Purcell, G. R.

Space Institute:
Crawford, L. W.
Donaldson, F. W.
Frost, W.
Goethert, B. H.
Harwell, K. E.
Huebschmann, E. C.
Jacobs, W. F.
Lewis, J. W.
Reddy, K. C.
Shahrokhi, F.
Sleeper, R. S.
Wright, M. A.
Wu, J.
Wu, Ying-chu

McClung Museum:
Parmalee, P. W., Director

Transportation Center:
Heathington, K. W.

O.W.R.T. Administration:
Larson, F. C.

Library:
Bassett, R. J.
Branch, O. H.
Dobson, J. H.
Hunt, D. R.
Vandiver, L. B.

Computer Center:
Cline, R. E.

Center for Health Sciences

Memphis, Tennessee 38103

Chancellor: Dr. T. Albert Farmer.
Executive Assistant to the Chancellor: Dr. Samuel R. Bozeman.
Vice-Chancellor for Academic Affairs: Dr. John A. Shively.
Vice-Chancellor for Administration: William R. Rice.
Vice-Chancellor for Business and Finance: Cecil Q. Tipton.
Vice-Chancellor for Knoxville Unit: Dr. Albert W. Biggs.
Registrar: Leon Hess.

Deans:

College of Basic Medical Sciences and Graduate School: R. H. Alden, Ph.D.
College of Community and Allied Health Professions: L. Holder, M.Ph., Ph.D.
College of Medicine: James C. Hunt, M.D., M.S.
College of Dentistry: J. E. Wells, D.D.S.
College of Pharmacy: J. Autian, Ph.D.
College of Nursing: Norma J. Long (acting).
Director, Interdisciplinary Programs: John A. Shively, M.D.

Department Chairmen:

College of Basic Medical Sciences:
Anatomy: George G. Robertson.
Biochemistry: William L. Byrne.
Medical Biology, Knoxville Unit: Robert D. Lange.
Microbiology: Bob A. Freeman.
Pharmacology: John C. McGiff.
Physiology and Biophysics: Leonard Share.

College of Medicine:
Anaesthesia: Charles E. Parkin.
Anaesthesiology: William C. North.
Family Medicine: Thornton E. Bryan.
Neurology: Albert F. Heck.
Obstetrics and Gynaecology: Preston V. Dilts.
Paediatrics: John F. Griffith.
Community Medicine: John W. Runyan.
Psychiatry: William Webb.
Diagnostic Radiology: Jerry Phillips (acting).
Nuclear Medicine: Martha McDonald (acting).
Radiation Oncology: James J. Nickson.
General Surgery: James W. Pate.
Urology: Clair E. Cox.
Neurosurgery: James T. Robertson.
Ophthalmology: Roger L. Hiatt.
Orthopaedic Surgery: Alvin J. Ingram.
Otolaryngology: Winsor V. Morrison (acting).
Pathology: Diane W. Crocker.
Internal Medicine: Gene H. Stollerman.
Medicine—Haematology: Alfred P. Kraus.
Medicine—Oncology: Charles L. Neely.
Family Practice Resident Program: George E. Shacklett.

College of Dentistry:
Biomaterials: John Hembree.
Crown and Bridge: Thomas R. Meadows.
Operative Dentistry: James T. Andrews.
Oral Diagnosis: Roy M. Smith.
Oral Surgery: Joe H. Morris.
Orthodontics: Robert F. Taylor.
Pedodontics: James P. McKnight.
Periodontics: Bernard L. Rainey.
Prosthetics: Gird A. McCarty.
Oral Pathology: James E. Turner.
Education and Counselling: Victor M. Coury.
Preventive and Community Dentistry: Ralph E. Knowles.

College of Pharmacy:
Drug and Material Toxicology: George C. Wood.
Pharmaceutics: Delton C. Huffman.
Medicinal Chemistry: Andrew Lasslo.
Pharmacy Practice: William A. Miller.

College of Nursing:
Basic Nursing Concepts: Elinor F. Reed (acting).
Community Mental Health: Shirley F. Burd.
Community Family Health: (vacant).
Medical Surgical Nursing: Mary L. Morris.
Primary and Long-Term Care: E. Dianne Greenhill.
Secondary Care: Elizabeth N. Stokes (acting).

Martin Campus

Martin, Tennessee 38328

Chancellor: Larry T. McGehee, B.D., M.A., Ph.D.
Provost-Vice-Chancellor for Academic Affairs: Jimmy N. Trentham, Ph.D.
Vice-Chancellor for Administration and Development: J. G. Mays, M.A., Ed.D.
Vice-Chancellor for Business and Finance: F. Gross, M.S., Ed.D.
Vice-Chancellor for Undergraduate Life and Director of Special Academic Programs: P. Watkins, M.S., Ph.D.

Deans:

Admissions and Records: R. W. O'Bryan, M.C.M., Ed.D.
School of Agriculture: H. J. Smith, M.S., Ph.D.
School of Business Administration: W. H. Baker, M.S., Ph.D.
School of Education: K. E. Keefer, M.A., M.Ed., Ed.D.
School of Home Economics: Donna B. Downer.
School of Liberal Arts: M. Simmons, Ph.D.

Chattanooga Campus

Chattanooga, Tennessee 37401

Chancellor: James E. Drinnon, Jr., J.D., Ed.D.
Vice-Chancellor for Academic Affairs: Jane W. Harbaugh, Ph.D.
Vice-Chancellor for Administration: C. Temple, M.A., Ed.D.
Vice-Chancellor for Finance: D. Larson.

Deans:

Admissions and Records: R. Fox, M.S., Ed.D.
Arts and Science: Bert C. Bach.
Professional Studies: C. Hyder, M.A., Ed.D.
Students: C. Renneisen, M.S., Ed.D.
Continuing Education: J. Cunningham, M.A., Ph.D.
School of Business Administration: Kermit G. Cudd (Director).
School of Education: Roy L. Stinnet (Director).
Division of Human Services: J. P. Sikora, M.A., Ph.D. (Director).

Nashville Campus

Nashville, Tennessee 37203

Chancellor: Charles E. Smith, Ph.D.
Vice-Chancellor for Academic Affairs: J. Mallette, Ph.D.

Deans:

Admissions and Records: W Welch, M.A.
Division of Arts and Sciences: C. Zuzak, A.M., Ph.D.
Division of Business Administration: J. Mastern, M.B.A., Ph.D.
Division of Education: K. Frasure, M.A., M.E., Ph.D.
Division of Engineering: J. Westbrook, M.S.I.E., Ph.D.
Nursing: Dorothy Laux, M.A.

THE UNIVERSITY OF THE SOUTH

(Protestant Episcopal Church)

SEWANEE, TENNESSEE 37375

Telephone: (615) 598-5931.

Chartered 1858.

Chancellor: Rt. Rev. John M. Allin, D.D.
Vice-Chancellor: Robert M. Ayers, D.C.L.
Provost: Arthur M. Schaefer, Ph.D.
Director of Summer College: W. T. Cocke, Ph.D.
Director of Graduate School of Theology: Rev. Donald S. Armentrout, Th.D.
Registrar: J. B. Ransom.
Librarian: T. G. Watson, M.S.L.S.

The library contains 307,517 vols.

Number of teachers: College 97, Seminary 16

Number of students: College 1,009, Seminary 78.

Publications: *Sewanee Review, St. Luke's Journal of Theology.*

Deans:

College of Arts and Sciences: S. E. Puckette, PH.D.
Dean of Men: J. Douglas Seiters, PH.D.
Dean of Women: Mary S. Cushman, M.ED.
School of Theology: Rev. U. T. Holmes, S.T.M.

VANDERBILT UNIVERSITY

NASHVILLE, TENNESSEE 37240
Telephone: (615) 322-7311.
Founded 1873.

Chancellor: Alexander Heard, PH.D.
President: Emmett B. Fields, PH.D.
Provost: W. G. Holladay, PH.D.
Senior Vice-President: R. R. Purdy, PH.D.
Vice-Presidents: D. L. McDowell, B.S., V. E. Wilson, M.D., J. W. Poindexter, M.A., J. R. Carr, J.D.
Treasurer: H. F. Miller, LL.B.
Secretary: R. A. McGaw.
Registrar: W. O. Batts, Jr., PH.D.
Librarian: F. P. Grisham, M.A.

Number of teachers: 1,865.
Number of students: 7,373.

Deans:

Graduate School: E. Q. Campbell, PH.D.
College of Arts and Science: V. J. Voegeli, PH.D.
School of Engineering: H. L. Hartman, PH.D.
Divinity School: S. TeSelle, PH.D.
School of Law: R. L. Knauss, J.D.
Graduate School of Management: S. B. Richmond, PH.D.
School of Medicine: J. E. Chapman, M.D.
School of Nursing: S. K. Archer, ED.D.

Professors:

Aden, J. M., PH.D., English
Albridge, R. G., PH.D., Physics
Allen, J. H., Jr., M.D., Radiology
Amberg, J. R., M.D., Radiology
Anabtawi, S. N., PH.D., Political Science
Andrews, J. R., PH.D., Spanish and Portuguese
Archer, S. K., ED.D., Nursing
Arenstorf, R. F., PH.D., Mathematics
Ban, T. A., PH.D., Psychiatry
Barach, J. P., PH.D., Physics
Bartee, E. M., PH.D., Engineering Management
Batson, R., M.D., Paediatrics
Bayuzick, R. J., PH.D., Materials Science and Engineering
Beaufait, F. W., Civil Engineering
Bender, H. W., Jr., M.D., Surgery
Bennett, G. N., PH.D., English
Berg, I., PH.D., Sociology and Economics, Management
Berman, M. L., PH.D., M.D., Anaesthesiology
Bess, F. H., PH.D., Audiology
Bigham, W. H., J.D., Law
Bigler, H. F., D.N.SC., Psychiatric Nursing
Black, S. W., PH.D., Economics
Blanton, R. L., PH.D., Psychology
Blitz, R. C., PH.D., Economics
Bloch, I., PH.D., Physics
Blumstein, J. F., LL.B., Law
Bogitsh, B. J., PH.D., Biology
Böer, G., PH.D., Management
Bolch, B. W., PH.D., Economics
Boorman, H. L., B.A., History
Bostick, C. D., LL.B., Law
Bourne, J. R., PH.D., Electrical Engineering and Biomedical Engineering
Brill, A. B., PH.D., M.D., Radiology
Brittingham, T. E., M.D., Medicine
Brodersen, A. J., Electrical Engineering
Brooks, A. L., Orthopaedics and Rehabilitation
Brooks, R. C., Jr., PH.D., Business Administration
Broquist, H. P., PH.D., Biochemistry
Brumbaugh, T. B., PH.D., Fine Arts
Bryant, B. F., PH.D., Mathematics
Burnett, L. S., M.D., Obstetrics and Gynaecology
Burr, I. M., M.D., Paediatrics
Burt, A. M., III, PH.D., Anatomy
Campbell, E. Q., PH.D., Sociology
Cannon, R. O., M.D., Medical Administration
Castelnuovo-Tedesco, P., M.D., Psychiatry
Channell, R. B., PH.D., Biology
Chapman, J. E., M.D., Pharmacology, Medical Administration
Chytil, F., C.SC., Biochemistry
Clayton, K. N., PH.D., Psychology
Cohen, S., PH.D., Biochemistry
Coles, F. A., PH.D., Management
Collins, R. D., M.D., Pathology
Colowick, S. P., PH.D., Microbiology
Compton, J. J., PH.D., Philosophy
Coniglio, J. G., PH.D., Biochemistry
Cook, G. E., Electrical Engineering
Covington, R. N., J.D., Law
Crenshaw, J. L., PH.D., Old Testament
Crist, L. S., PH.D., French
Crofford, O. B., Jr., M.D., Medicine
Cunningham, L. W., PH.D., Biochemistry
Daane, J. D., D.P.A., Banking
Darby, W. J., PH.D., M.D., Biochemistry (Nutrition)
Davies, J., M.D., Anatomy
Delzell, C. F., PH.D., History
Des Prez, R. M., M.D., Medicine
Dettbarn, W., M.D., Pharmacology
Donaldson, M. L., PH.D., Nursing
Dore, C., PH.D., Philosophy
Dorsey, J. T., Jr., PH.D., Political Science
Dragnich, A. N., M.A., PH.D., Political Science
Drews, R., PH.D., Classics
Eckenfelder, W. W., M.CHEM.ENG., Environmental and Water Resources
Elledge, W. P., PH.D., English
Elliott, J. H., M.D., Ophthalmology
Engel, E., M.D., Medicine
Engel, J. E., Germanic Languages and Literatures
Engel, W. v.R., PH.D., Linguistics
Exton, J. H., M.B., CH.B., PH.D., Physiology
Farley, E., PH.D., Theology
Farrar, D. F., Jr., Mechanical Engineering
Federspiel, C. F., PH.D., Biostatistics
Fels, R. T., PH.D., Economics
Fenichel, G. M., M.D., Neurology and Paediatrics
Field, L., PH.D., Chemistry
Fields, E. B., PH.D., History
Finegan, T. A., PH.D., Economics
Flanagan, W. F., SC.D., Materials Science, Technology and Public Policy
Fleischer, S. PH.D., Molecular Biology
Forstman, H. J., TH.D., Theology
Fox, R., PH.D., Psychology
Freeman, J. L., PH.D., Political Science
Friauf, J. J., PH.D., Biology
Friesinger, G. C., II, M.D., Medicine
Gardner, W. A., M.D., Pathology
Ginn, H. E., M.D., Medicine
Gobbel, W. G., M.D., Surgery
Goldberg, R. R., PH.D., Mathematics
Goldman, R., PH.D., Pathology
Goodwin, R. A., M.D., Medicine
Goshen, C. E., M.D., Engineering Management
Gove, W. R., PH.D., Sociology
Graham, G. J., Jr., PH.D., Political Science
Graham, T. P., Jr., M.D., Paediatrics
Grantham, D. W., Jr., PH.D., History
Griffin, P. P., M.D., Orthopaedics and Rehabilitation
Hackett, R. M., PH.D., Civil Engineering and Engineering Science
Hall, D. J., J.D., Law
Hall, H. D., D.M.D., Oral Surgery
Hamilton, J. H., PH.D., Physics
Hardacre, P. H., PH.D., History
Hardie, R. H., PH.D., Physics and Astronomy
Hardman, J. G., PH.D., Physiology
Harford, E. R., PH.D., Audiology
Hargrove, E. C., PH.D., Political Science
Harrawood, PH.D., Civil Engineering
Harrelson, W., TH.D., Old Testament
Harris, T. M., PH.D., Chemistry
Harris, T. R., PH.D., M.D., Biomedical Engineering and Chemical Engineering
Hartman, H. L., PH.D., Engineering
Hartmann, W. H., M.D., Pathology
Hash, J. H., PH.D., Microbiology
Havard, W. C., Jr., PH.D., Political Science
Hayes, W. J., Jr., PH.D., Biochemistry
Haywood, H. C., Neurology
Hazlehurst, F. H., PH.D., Fine Arts
Heard, A., PH.D., Political Science
Helguera, J. L., PH.D., History
Hereford, J. J., PH.D., Nursing
Hnilica, L., PH.D., Cancer Research, Biochemistry, Pathology
Hoadley, P. G., PH.D., Civil Engineering
Hobbs, N., PH.D., Psychology
Hodgson, P. C., Theology
Holladay, W. G., PH.D., Physics
Hollender, M. H., M.D., Psychiatry
Horn, R. G., Pathology
House, R. W., PH.D., Technology and Public Policy, Management
Hunter, R. G., PH.D. . English
Inagami, T., PH.D., D.SC., Biochemistry
James, A. E., M.D., Radiology
Jenkins, D. E., Jr., Medicine
Joesten, M. D., ZH.D., Chemistry
Johnson, L. E., PH.D., Electrical Engineering and Biomedical Engineering
Jones, C. D., PH.D., Drama
Jones, E. A., PH.D., Physics
Jones, M. M., PH.D., Chemistry
Jonsson, B., PH.D., Mathematics
Julian, C. G., M.D., Obstetrics and Gynaecology
Kamenshine, B. D., Law
Kaplan, A. S., PH.D., Microbiology
Karzon, D. T., M.D.. Paediatrics
Katahn, M., PH.D., Psychology
Kavass, I. I., LL.B., Law
Keedy, H. F., PH.D., Engineering Science
Killinger, J. L., PH.D., S.T.B., TH.D., Preaching
Kilroy, J. F., PH.D., English
Kinser, D. L., PH.D., Materials Science
Knauss, R. L., J.D., Law
Kono, T., PH.D., Physiology
Kral, R., PH.D., Biology
Krantz, S. B., M.D., Medicine
Krenkel, P. A., PH.D., Environmental and Water Resources Engineering
Krolak, P. D., D.SC., Systems and Information Science

Kuhlman, A. F., ph.d., Library Science
Lachs, J., ph.d., Philosophy
Lagemann, R. T., ph.d., Physics
Leach, D. E., ph.d., History
Leblon, J., ph.d., French
Leiserson, A., ph.d., Political Science
LeQuire, V. S., m.d., Anatomy and Experimental Pathology
Levinson, L. H., j.s.d., Law
Lichter, B. D., sc.d., Materials Science
Liddle, G. W., m.d., Medicine
Lukens, J., m.d., Paediatrics
Lynch, J. B., Plastic Surgery
McConnell, F. ph.d., Audiology
McCoy, T. R., j.d., Law
Maier, H. G., ll.m., Law
Malaney, G. W., ph.d., Environmental Biology
Marchant, A., ph.d., History
Martin, T. W., ph.d., Chemistry
Mauksch, I. G., ph.d., Nursing
Meador, C., m.d., Medicine
Megibben, C. K., ph.d., Mathematics
Meng, H. C., ph.d., Physiology
Meyer, P. W., th.d., New Testament Studies
Miller, F. A., ph.d., History
Mills, L. O., th.d., Pastoral Theology and Counseling
Morley, S. A., ph.d., Economics
Mosig, G., m.d., Molecular Biology
Neal, R. A., ph.d., Biochemistry
Netsky, M. G., m.d. Pathology
Nicholls, W. H., m.a., ph.d., Economics
Norton, H. A., m.a., ph.d., Church History
Nunnally, J. C., ph.d., Psychology
Oates, J. A., m.d., Medicine and Pharmacology
Oberschall, A. R., ph.d., Sociology
O'Day, D. M., m.d., Ophthalmology
Odom, R. D., ph.d., Psychology
Ogletree, T. W., ph.d., Theological Ethics
O'Neill, J. A., m.d., Paediatric Surgery
Orgebin-Crist, M.-C., Reproductive Biology and Family Planning, Anatomy
Orth, D. N., m.d., Medicine
Packman, P. F., ph.d., Materials Science
Paine, T. F., Jr., m.d., Medicine
Palmer, R. E., Jr., ph.d., English
Park, C. R., m.d., Physiology
Park, J. H., ph.d., Physiology
Parker, F. L., ph.d., Environmental and Water Resources Engineering
Pate, J.E., ed.d., Psychiatry (Educational Psychology)
Patty, J. S., ph.d., French
Pearson, D. E., ph.d., Chemistry
Pendergrass, H., m.d., Radiology
Peterson, R. A., ph.d., Sociology
Phillips, L., ph.d., Psychology
Pichois, C., d. ès l., French
Pinkston, W. T., ph.d., Physics
Pittinger, C. B., m.d., Anaesthesiology
Poggenburg, R. P., ph.d., French
Post, R. L., m.d., Physiology
Pupo-Walker, E., ph.d., Spanish
Purdy, R. R., ph.d., English
Quinn, R. W., m.d., c.m., Preventive and Social Medicine
Rabin, D., m.d., Obstetrics and Gynaecology
Rados, D. L., ph.d., Management
Ransom, H. H., ph.d., Political Science
Ray, O. S., ph.d., Psychology
Regen, D. M., ph.d., Physiology
Rhamy, R. K., m.d., Urology
Rhein, P. H., ph.d., Comparative Literature and German
Richmond, S. B., ph.d., Management
Roos, C. E., ph.d., Physics
Rose, D. L., ph.d., Systems and Information Science, Mathematics
Rosenfeld, L., m.d., Surgery
Roth, J. A., ph.d., Chemical Engineering and Environmental Engineering
Rowan, W. H., Jr., ph.d., Systems and Information Science
Rowe, R. S., d.eng., Civil Engineering and Environmental and Water Resources Engineering
Rushing, W. A., ph.d., Sociology
Rysan, J., ph.d., Germanic and Slavic Languages and Literatures
Sahota, G. S., ph.d., Economics
Salmon, W. D., Jr., m.d., Medicine
Sanders, J., ph.d., Audiology
Sastry, B. V. R., d.sc., ph.d., Pharmacology
Sawyers, J. L., m.d., Surgery
Schaad, L. J., ph.d., Chemistry
Schenker, S., m.d., Medicine
Schneider, F. D., ph.d., History
Schnelle, K. B., Jr., ph.d., Environmental and Air Resources Engineering
Schnurr, N. M., ph.d., Mechanical Engineering
Scott, C. E., ph.d., Philosophy
Scott, H. W., Jr., m.d., Surgery
Severino, A. E., ph.d., Portuguese
Shahan, E. P., ph.d., Economics and Business Administration
Shand, D. G., ph.d., m.b., b.s., Pharmacology
Shanks, E. B., ph.d., Mathematics
Shapiro, J. L., m.d., Pathology
Sherburne, D. W., ph.d., Philosophy
Siegel, E., ph.d., Radiology
Silberman, L. H., d.h.l., Jewish Literature and Thought
Sloan, F. A., ph.d., Economics
Smedley, T. A., j.d., Law
Smith, B. E., m.d., Anaesthesiology
Smith, H. E., ph.d., Chemistry
Smith, W. P., ph.d., Psychology
Soupart, P., ph.d., Obstetrics and Gynaecology (Research)
Spores, R., ph.d., Anthropology
Stahlman, M., m.d., Paediatrics
Stearns, R. G., ph.d., Geology
Stephenson, C. V., ph.d., Electrical Engineering
Strupp, H. H., ph.d., Psychology
Stumpf, S. E., ph.d., Law
Sullivan, W. L., m.f.a., English
Sulser, F., m.d., Pharmacology
Surface, J. R., d.c.s., Management
Tang, A. M., ph.d., Economics and Business Administration
Tarbell, D. S., ph.d., Chemistry
TeSelle, E. A., Jr., ph.d., Church History and Theology
Thackston, E. L., ph.d., Environmental and Water Resources Engineering
Thistlewaite, D. L., ph.d., Psychology
Thomas, E. W., ph.d., Spanish and Portuguese
Thompson, J. D., ph.d., Sociology
Threadgill, W. D., ph.d., Chemical Engineering
Thune, L. E., ph.d., Psychology
Thweatt, W. O., b.phil., Economics
Touster, O., ph.d., Biochemistry, Molecular Biology
Townsend, M. A., ph.d., Mechanical Engineering
Vance, C. M., m.a., Spanish
Van Wazer, J. R., ph.d., Chemistry
Voegeli, V. J., ph.d., History
Wachs, M., ph.d., French
Wade, J. W., s.j.d., Law
Wagner, C., ph.d., Biochemistry
Walter, B., ph.d., Political Science
Warden, K. P., ll.m., Law
Weatherby, H. L., Jr., ph.d., English
Webb, W. W., ph.d., Psychology
Webster, M. S., ph.d., Physics
Weingartner, H. M., ph.d., Finance
Wells, C. E., m.d., Psychiatry
Wert, J. J., ph.d., Metallurgy
Wesson, J. R., m.a., ph.d., Mathematics
Westfield, F. M., ph.d., Economics
Whittier, D. P., ph.d., Biology
Williams, H. E., ph.d., Mathematics
Williamson, J. W., ph.d., Mechanical Engineering
Williamson, M. A., ph.d., Engineering Management
Wilson, B. J., ph.d., Biochemistry
Wilson, D. J., ph.d., Chemistry
Wilson, L. K., ph.d., Electrical Engineering
Wilson, V. E., m.d., Medical Administration, Preventive Medicine and Public Health
Wolf, F. T., m.a., ph.d., Biology
Wolf, R. C., ph.d., Church History
Worley, J. S., ph.d., Economics and Business Administration
Wright, J. E., m.a., Drama and Speech
Wright, W. F., m.s., Mechanical Engineering
Young, T. D., ph.d., English
Zelenik, J. S., m.d., Obstetrics and Gynaecology

TEXAS

ABILENE CHRISTIAN UNIVERSITY

(Church of Christ)
ACU STATION,
ABILENE, TEXAS 79601

Founded 1906.

President: John C. Stevens.
Vice-President: Robert D. Hunter.
Vice-President for Academic Affairs: Edward M. Brown.
Dean: Edward M. Brown.
Dean of Research and Graduate School: Floyd W. Dunn.

The library contains *c.* 354,152 vols.
Number of teachers: 208.
Number of students: 4,220.

Publication: *ACU Today.*

ANGELO STATE UNIVERSITY

ASU STATION,
SAN ANGELO, TEXAS 76901
Telephone: (915) 942-2131.

Founded 1928.

President: Dr. Lloyd D. Vincent.
Vice-President for Academic Affairs: Dr. Hugh E. Meredith.
Vice-President for University Affairs: Dr. Ollie S. Cauthen.
Vice-President for Fiscal Affairs: Robert L. Krupala.
Registrar: Dr. Warren L. Griffin.
Librarian: Joe B. Lee.

The library contains 200,000 vols.
Number of teachers: 162.
Number of students: 4,721.

AUSTIN COLLEGE

SHERMAN, TEXAS 75090

Founded 1849.

Four-year Liberal Arts Co-educational Christian College.

President: JOHN D. MOSELEY.
Executive Vice-President and Dean of the Faculty: D. T. BEDSOLE.
Dean of Continuing Education: TED VESTAL.
Comptroller: GEORGE ROWLAND.
Vice-President for Development: W. R. WILSON.
Registrar: J. F. BRYANT.

Number of teachers: full-time 72, part-time 19.

Number of students: full-time 1,189, part-time 25.

BAYLOR UNIVERSITY

WACO, TEXAS 76706

Telephone: (817) 755-1011.

Chartered 1845 under Republic of Texas by Texas Baptist Educational Society at Independence, Texas; consolidated 1886 with Waco University and came under control of Baptist General Convention of Texas.

President: ABNER V. MCCALL, LL.M., LL.D.
Executive Vice-President and Chief Operating Officer: H. H. REYNOLDS, PH.D.
Vice-President of Baylor University in Dallas: B. POWELL, LL.D.
Secretary: B. FANNING.
Director of Admissions: H. D. THOMAS.
Librarian: J. H. ROGERS, M.LIB.SC.

Number of teachers: 400.
Number of students: 9,000.

Publications: *Bulletin* (quarterly), *Law Review, Business Studies* (quarterly), *Baylor Line, Baylor Geological Studies, Journal of Church and State.*

BISHOP COLLEGE

3837 SIMPSON-STUART RD.,
DALLAS, TEXAS 75241

Telephone: 372-8000.

Founded 1881.

President: Dr. MILTON K. CURRY, Jr.
Registrar: Mrs. VIRGINIA M. HAYES.
Librarian: Dr. HARRY ROBINSON, Jr.

Number of teachers: 89.
Number of students: 1,800.

Publications: *The Bishop Herald, The Caretaker.*

EAST TEXAS BAPTIST COLLEGE

1209 N. GROVE STREET,
MARSHALL, TEXAS 75670

Telephone: (214) 935-7963.

Founded 1912.

President: Dr. JERRY F. DAWSON.
Registrar: MARGARET FROMM.
Librarian: E. M. ADAMS, Jr.

The library contains 82,000 vols.

Number of teachers: 42.
Number of students: 872.

EAST TEXAS STATE UNIVERSITY

COMMERCE, TEXAS 75428

Telephone: (214) 886-5014.

Founded 1889.

President: F. H. MCDOWELL.
Vice-President for Administration: CHARLES MORROW.
Vice-President for Academic Affairs: Dr. BARRY B. THOMPSON.
Vice-President for Student Affairs: Dr. RUTH A. WHITE.
Director of Admissions and Records: Mrs. JEAN SMITH.

The library contains 527,689 vols. and microfilms.

Number of teachers: 365 full-time.
Number of students: 9,500.

HARDIN-SIMMONS UNIVERSITY

DRAWER A, H-SU STATION,
ABILENE, TEXAS 79601

Telephone: (915) 677-7281.

Founded 1891.

President: Dr. JESSE C. FLETCHER.
Chancellor: Dr. ELWIN L. SKILES.
Registrar: Mrs. CHARLENE ARCHER.
Director of Admissions: ED JACKSON.
Dean: Dr. WILLIAM O. BEAZLEY (acting).
Librarian: Dr. KENNETH W. JONES.

The library contains 280,000 vols.

Number of teachers: 117.
Number of students: 1,649.

HOWARD PAYNE UNIVERSITY

BROWNWOOD, TEXAS 76801

Telephone: 646-2502.

Founded 1889.

President: Dr. ROGER L. BROOKS.
Registrar: BENNETT RAGSDALE.
Librarian: CAROLYN EAVES.

The library contains 105,000 vols.

Number of teachers: 94.
Number of students: 1,650.

HUSTON-TILLOTSON COLLEGE

1820 EAST 8TH STREET,
AUSTIN, TEXAS 78702

Telephone: 476-7421.

Founded 1876.

President: JOHN T. KING.
Dean: E. A. DELCO, Jr.
Registrar: Mrs. VIRGINIA L. LEWIS.
Librarian: Mrs. VIVIAN L. DORN.

The library contains 66,660 vols.

Number of teachers: 49.
Number of students: 850.

INCARNATE WORD COLLEGE

4301 BROADWAY,
SAN ANTONIO, TEXAS 78209

Telephone: 828-1261.

Chartered 1881.

President: Sister MARGARET PATRICE SLATTERY.
Registrar: Sister M. ANTONINUS BUCKLEY.
Librarian: MENDELL MORGAN.

The library contains 120,498 vols.

Number of teachers: 115.
Number of students: 1,515.

LAMAR UNIVERSITY

LAMAR UNIVERSITY STATION,
P.O. BOX 10001, BEAUMONT,
TEXAS 77710

Telephone: 838-7011.

Founded 1923 as South Park Junior College.

President: Dr. C. ROBERT KEMBLE.
Vice-President for Finance: OSCAR K. BAXLEY.
Vice-President for Academic Affairs: Dr. DAVID D. GEDDES.
Vice-President for Administration: Dr. A. J. JOHNSON.
Vice-President for Student Affairs: GEORGE E. MCLAUGHLIN.
Vice-President for University Relations: W. S. LEONARD.
Dean of Admissions: N. H. KELTON.
Librarian: Dr. R. B. THOMAS.

The library contains 430,000 vols.

Number of teachers: 496.
Number of students: 12,800.

DEANS:

Graduate Studies: Dr. RALPH A. WOOSTER.
College of Education: Dr. M. L. MCLAUGHLIN.
College of Sciences: Dr. R. E. YERICK.
College of Business: Dr. JOHN A. RYAN.
College of Fine and Applied Arts: Dr. W. B. BRENTLINGER.
College of Engineering: (vacant).
College of Liberal Arts: Dr. P. B. WILLIAMS.
College of Technical Arts: Dr. KENNETH E. SHIPPER.
College of Health Sciences: Dr. EDNA LEE NEUMANN.

LAREDO STATE UNIVERSITY

WEST END WASHINGTON ST.,
LAREDO, TEXAS 78040

Founded 1969 as part of Texas A & I University, name changed 1977.

Upper Level College; Junior, Senior and Graduate Courses.

President: BILLY F. COWART, M.A., PH.D.
Dean: LEO SAYAVEDRA, M.ED., PH.D.
Director of Admissions and Advisement: MARY TREVINO (acting).
Director of Administrative Services: DAVID E. VERMILYEA, M.S.
Business Manager: ERNESTO A. DOMINGUEZ, B.B.A., C.P.A.
Librarian: MAYELLEN BRESIE, M.L.S., M.A.

MARY HARDIN-BAYLOR COLLEGE

BELTON, TEXAS 76513

Telephone: (817) 939-5811.

Founded 1845.

President: Dr. Bobby E. Parker.
Vice-President for Academic Affairs: Dr. Kenneth W. Johnson.
Registrar: A. C. Hervey, Jr.
Director of Admissions: Bill W. Elliott.
Librarian: Mrs. Juanita Jones.

The library contains 105,000 vols.

Number of teachers: 65.
Number of students: 1,103.

McMURRY COLLEGE

ABILENE, TEXAS 79605

Telephone: 692-4130.

Founded 1923.

President: Thomas K. Kim, Ph.D.
Vice-President for Academic Affairs and Dean of the College: Tyrone Black, Ph.D.
Vice-President for Financial Affairs and Director of Financial Aid: Donald F. Scales.
Vice-President for Development: Jack Holden.

Director of Library: Joe W. Specht.

The library contains 125,000 vols.

Number of teachers: 81.
Number of students: 1,212.

MIDWESTERN STATE UNIVERSITY

WICHITA FALLS, TEXAS 76308

Founded 1922.

President: Dr. John G. Barker.
Vice-President for Academic Affairs: Dr. Jesse W. Rogers.
Director of University Affairs: Dr. Tom Haywood.
Vice-President for Business Affairs: Joe Hooper.
Vice-President for Student Affairs: James Stewart.
Registrar: Betty Bullock.
Librarian: Melba S. Harvill.

Number of teachers: 154.
Number of students: 4,622.

Publications: *The Wichitan*† (weekly), *The Wai-Kun* (annually), *M.U. News and Views*† (quarterly), *Voices* (annually), *Faculty Forum Papers* (annually).

MOODY COLLEGE

GALVESTON, TEXAS 77553

Telephone: (713) 744-7161.

Founded 1971 as part of Texas A & M University; separate institution 1977.

President: William H. Clayton, Ph.D.

NORTH TEXAS STATE UNIVERSITY

DENTON, TEXAS 76203

Telephone: (817) 788-2026.

Founded 1890.

President: C. C. Nolen.
Vice-President for Academic Affairs: Dr. Miles E. Anderson, Ph.D.
Vice-President for Fiscal Affairs: John L. Carter, Jr., B.A., C.P.A.
Vice-President for Student Affairs: Jane G. Smith, M.A.
Vice-President for University Relations: Dr. Roy K. Busby, Ph.D.
Vice-President for Administrative Affairs: Hermas L. Millar, B.B.A.
Dean of Admissions and Records: Dr. E. D. Norton, Jr., Ph.D.
Librarian: D. A. Webb, Ph.D.

The library contains 1,167,805 vols.

Number of teachers: 685 full-time, 478 part-time.

Number of students: 17,151.

Deans:

Students: Dr. Joe G. Stewart, Ph.D.
Graduate School: Dr. R. B. Toulouse, Ph.D.
Education: Dr. James J. Muro, Ph.D.
Arts and Sciences: Dr. Jim B. Pearson, Ph.D.
Music: Dr. Marceau Myers, Ph.D.
Business Administration: Dr. Marvin Berkeley, Ph.D.
Library Science: Dr. Dewey E. Carroll, Ph.D.
Community Service: Dr. Hiram Friedsam, Ph.D.

OUR LADY OF THE LAKE UNIVERSITY OF SAN ANTONIO

411 S.W. 24TH STREET,
SAN ANTONIO, TEXAS 78285

Telephone: (512) 434-6711.

Founded 1896.

President: Sr. Elizabeth Anne Sueltenfuss, C.D.P.
Vice-President and Dean of Academic Affairs: Albert J. Griffith.
Vice-President for University Relations: Louis S. Garza.
Vice-President for Finance and Facilities: Robert F. Smith.
Director of Admissions: William K. Loftus.
Librarian: Miss Marie Antoinette Garza.

The library contains 120,000 vols.
Number of teachers: 162.
Number of students: 2,000.

PAN AMERICAN UNIVERSITY

EDINBURG, TEXAS 78539

Telephone: (512) 381-2101.

Founded 1927, reorganized 1952.

President: Dr. Ralph Schilling.
Dean of Admissions: John Hook.
Librarian: L. Gower.

The library contains 125,000 vols.
Number of teachers: 300.
Number of students: 8,249.

RICE UNIVERSITY
(formerly Rice Institute)

P.O. BOX 1892, HOUSTON,
TEXAS 77001

Telephone: (713) 527-8101.

Founded 1891.

Private control.

President: Norman Hackerman, Ph.D.
Provost and Vice-President: F. E. Vandiver, Ph.D.
Director of Admissions and Academic Records: R. N. Stabell.
Vice-President for External Affairs: William W. Akers, Ph.D.
Manager of Campus Business Affairs: H. Russell Pitman.
Registrar: J. C. Morehead, B.Arch.
Librarian: R. L. O'Keefe, Ph.B.

The library contains 850,000 vols.
Number of teachers: 426.
Number of students: 3,556.

Publications: *Journal of Southern History* (quarterly), *Studies in English Literature 1500-1900* (quarterly), *Rice University Studies* (quarterly), *Austrian History Yearbook* (annually).

Deans:

Humanities: V. Topazio, Ph.D.
Natural Sciences: W. E. Gordon, Ph.D.
Undergraduate Affairs: Katherine T. Brown, M.F.A.
Advanced Studies and Research: J. L. Margrave, Ph.D.
Architecture: O. Jack Mitchell, A.I.A., A.I.P.
Music: Samuel Jones, Ph.D.
George R. Brown School of Engineering: Alan J. Chapman, Ph.D.
Jesse H. Jones School of Administration: Robert R. Sterling, Ph.D.

Professors:

Adams, J. A. S., Ph.D., Geology
Akers, W. W., Ph.D., Chemical and Environmental Engineering
Ambler, J. S., Ph.D., Political Science
Anderson, H. R., Ph.D., Space Physics and Astronomy
Armeniades, C. D., Ph.D., Chemical Engineering
Austin, W. J., Ph.D., Civil Engineering
Awapara, J., Ph.D., Biochemistry
Baker, D. R., Ph.D., Geology
Baker, S. D., Ph.D., Physics
Bearden, F. W., Ed.D., Health and Physical Education
Beckmann, H. W. K., Dr.Ing., Mechanical Engineering
Bell, P. W., Ph.D., Administrative Science
Besen, S. M., Ph.D., Economics
Bochner, S., Ph.D., Mathematics
Bourne, H. C., Sc.D., Electrical Engineering
Bowen, R. M., Ph.D., Mechanical Engineering and Mathematical Sciences
Brady, P., D.U.P., French
Brelsford, J. W., Ph.D., Psychology
Brody, B. A., Ph.D., Philosophy

Brooks, P. R., ph.d., Chemistry
Brotzen, F. R., ph.d., Materials Science
Brown, Katherine T., m.f.a., Fine Arts
Burrus, C. S., ph.d., Electrical Engineering
Camfield, W. A., ph.d., Fine Arts
Campbell, J. W., ph.d., Biology
Cannady, W. T., m.arch., Architecture
Castañeda, J. A., ph.d., Spanish
Chamberlain, J. W., ph.d., Space Physics and Astronomy
Chapman, A. J., ph.d., Mechanical and Aerospace Engineering
Characklis, W. G., ph.d., Environmental Engineering
Cheatham, J. B., ph.d., Mechanical and Aerospace Engineering
Class, C. M., ph.d., Physics
Clayton, D. D., ph.d., Space Physics, Astronomy, Physics
Cloutier, P. A., ph.d., Physics, Astronomy
Cooper, J., ph.d., Political Science
Cooper, P., d.m.a., Music
Crane, D. A., m.c.p., Architecture
Curl, R. F., Jr., ph.d., Chemistry
Curtis, M. L., ph.d., Mathematics
Cuthbertson, G. M., ph.d., Political Science
Davis, S. H., Jr., sc.d., Chemical Engineering
Deans, H. A., ph.d., Chemical Engineering
DeBremaecker, J.-C., ph.d., Geology
de Figueiredo, R. J. P., ph.d., Electrical Engineering
Dessler, A. J., ph.d., Space Physics and Astronomy
Dix, R. H., ph.d., Political Science
Donoho, P. L., ph.d., Physics
Doran, P. L., ph.d., Physics
Dowden, W. S., ph.d., English
Drew, Katherine F., ph.d., History
Duck, I., ph.d., Physics
Dyson, D. C., ph.d., Chemical Engineering
Edwards, E. O., ph.d., Political Economy
Estle, T. L., ph.d., Physics
Evans, Elinor, m.f.a., Architecture
Fisher, F. M., ph.d. Biology
Freeman, J. W., ph.d., Space Science
Garside, C., Jr., ph.d., History
Gordon, C., ph.d., Sociology
Gordon, W. E., ph.d., Electrical Engineering and Space Science
Grob, A., ph.d., English
Gruber, I. D., ph.d., History
Hackerman, N., ph.d., Chemistry
Harvey, F. R., ph.d., Mathematics
Havens, N., m.a., Drama
Hayes, E. F., ph.d., Chemistry
Haymes, R. C., ph.d., Space Science
Hellums, J. D., ph.d., Chemical Engineering
Hempel, J., ph.d., Mathematics
Heymann, D., ph.d., Geology and Space Science
Higginbotham, S. W., ph.d., History
Hightower, J. W., ph.d., Chemical Engineering
Hole, F., ph.d., Anthropology
Holloway, C., ph.d., Music
Howell, W. C., ph.d., Psychology
Huddle, D. L., ph.d., Economics
Hyman, H. M., ph.d., History
Isle, W., ph.d., English
Jaco, W. H., ph.d., Mathematics
Jones, B. F., ph.d., Mathematics
Jones, S., ph.d., Music
Kilpatrick, J. E., ph.d., Chemistry
Kobayashi, R., ph.d., Chemical Engineering
Kolenda, K., ph.d., Philosophy
Krahl, N. W., ph.d., Civil Engineering and Architecture
Krzyzaniak, M., ph.d., Economics
Lane, N. F., ph.d., Physics
Lecuyer, M. A., ph.d., French
Leeds, J. V., ph.d., Electrical and Environmental Engineering
Leland, T. W., ph.d., Chemical Engineering
Levin, D. N., ph.d., Classics
Lewis, E. S., ph.d., Chemistry
Loewenheim, F. L., ph.d., History
McIntire, L. V., ph.d., Chemical Engineering
McLellan, R. B., ph.d., Materials Science
McLure, C. E., ph.d., Economics and Finance
Margrave, J. L., ph.d., Chemistry
Matusow, A. J., ph.d., History
Meixner, J., ph.d., English
Merwin, J. E., ph.d., Civil Engineering
Michel, F. C., ph.d., Space Science
Miele, A., Dr., Astronautics and Mathematical Sciences
Minter, D. L., ph.d., English
Mitchell, O. J., m.c.p., Architecture
Morehead, J. C., Jr., b.arch., Architecture
Newport, J. P., th.d., Religious Studies
Nielsen, N. C., ph.d., Philosophy and Religious Thought
Norbeck, E., ph.d., Anthropology
O'Niel, J., m.f.a., Fine Arts
Oliver, C. T., ll.d., Public Affairs
Palmer, G. A., ph.d., Biochemistry
Parish, J. E., ph.d., English
Parks, T. W., ph.d., Electrical Engineering
Parsons, D. G., m.s., Fine Arts
Patten, R. L., ph.d., English
Pearson, J. B., ph.d., Electrical Engineering
Pfeiffer, P. E., ph.d., Mathematical Sciences and Electrical Engineering
Phillips, G. C., ph.d., Physics
Philpott, C. W., ph.d., Biology
Piper, W. B., ph.d., English
Polking, J. C., ph.d., Mathematics
Raaphorst, Madeleine, ph.d., French
Rabson, T. A., ph.d., Electrical Engineering
Rachford, H. H., sc.d., Mathematics and Mathematical Sciences
Ransom, H. S., m.arch., Architecture
Rath, R. J., ph.d., History
Rimlinger, G. V., ph.d., Economics
Risser, J. R., ph.d., Physics
Roberts, J. M., ph.d., Materials Science
Rorschach, H. E., Jr., ph.d., Physics
Sass, R. L., ph.d., Chemistry
Schroepfer, G. J., ph.d., Biochemistry
Schum, D. A., ph.d., Psychology
Sellers, J., ph.d., Ethics
Shapiro, E., Music
Sims, J. R., ph.d., Civil Engineering
Soligo, R., ph.d., Economics
Spears, M. K., ph.d., English
Spence, D. W., ph.d., Health and Physical Education
Stebbings, R. F., ph.d., Space Science
Sterling, R. R., ph.d., Management and Accounting
Storck, R., ph.d., Biology
Subtelny, S., ph.d., Biology
Taniguchi, A. Y., b.arch., Architecture
Tapia, R. A., ph.d., Mathematical Sciences
Taylor, M. E., ph.d., Mathematics
Thomas, A. L., ph.d., Accounting
Thompson, J. R., ph.d., Mathematical Sciences
Thrall, R. M., ph.d., h.sc.d., Mathematical Sciences
Tipton, A. N., m.m., Music
Tittel, F., ph.d., Electrical Engineering
Todd, A., m.f.a., Architecture
Topazio, V. W., ph.d., French
Trammell, G. T., ph.d., Physics
Troelstra, A., ph.d., Electrical Engineering
Tuggle, F. D., ph.d., Administrative Science
Tyler, S. A., ph.d., Anthropology and Linguistics
Valkovic, V., ph.d., Physics
Vandiver, F. E., ph.d., History
Veech, W. A., ph.d., Mathematics
Veletsos, A. S., ph.d., Engineering
von der Mehden, F., ph.d., Political Science
Walker, J. B., ph.d., Biochemistry
Walker, W. F., ph.d., Mechanical Engineering
Wall, F. T., ph.d., Chemistry
Walters, G. K., ph.d., Physics and Space Science
Wang, Chao-Cheng, ph.d., Mathematical Sciences
Wann, T. W., ph.d., Psychology
Ward, C. H., ph.d., Biology and Environmental Science
Ward, J. A., ph.d., English
Warme, J. E., ph.d., Geology
Weissenberger, K. H., ph.d., German
Wells, R. O., ph.d., Mathematics
Wenkert, E., ph.d., Chemistry
Wierum, F. A., ph.d., Mechanical and Aerospace Engineering
Wilhoit, J. C., Jr., ph.d., Mechanical Engineering
Wilson, J. L., ph.d., Geology
Winkler, M., ph.d., German
Winningham, G. L., m.s., Art
Wolf, R. A., ph.d., Space Physics
Wood, D. I., ph.d., Education
Young, R. D., ph.d., Economics
Zeff, S. A., ph.d., Accounting

ST. EDWARDS UNIVERSITY

3001 SOUTH CONGRESS AVE.,
AUSTIN, TEXAS 78704
Telephone: 444-2621.
Founded 1885.

Private, co-educational; four-year liberal arts courses.

President: Bro. Stephen Walsh, c.s.c.
Vice-President for Fiscal Affairs: David A. Dickson, Jr.
Vice-President for University Relations: John Knudsen.
Associate Vice-President for Student Services: F. Eugene Binder.
Director of Admissions and Records: John Lucas.
Executive Vice-President and Academic Dean: Bro. Henry Altmiller, c.s.c.
Vice-President for Student Services: Fr. Tom Windberg, c.s.c.
Librarian: Joseph Sprug.

The library contains 70,000 vols.
Number of teachers: 157.
Number of students: 2,100.

SAINT MARY'S UNIVERSITY OF SAN ANTONIO

SAN ANTONIO, TEXAS 78284
Founded 1852.

President: James A. Young, s.m.
Academic Vice-President: Rev. J. Willis Langlinais, s.m.
Vice-President for Student Services: Bro. Dan Sharpe, s.m.

Vice-President for Development: Donald K. Ryckman.
Registrar: Paul Ryan, s.m.
Librarian: H. Palmer Hall.

The library contains 185,000 volumes.

Number of students: 3,400.

Deans:

School of Arts and Sciences: Dr. Lee Brown.
Graduate School: Dr. Lee F. Brown.
Law School: James Castleberry.
School of Business Administration: Robert Howe (acting).

SAM HOUSTON STATE UNIVERSITY

HUNTSVILLE, TEXAS 77341

Telephone: (713) 295-6211.

Founded 1879 as Sam Houston Normal Institute.

Academic year: August to May, with two summer sessions.

President: Elliott T. Bowers, ed.d.
Vice-President for Academic Affairs: Jack W. Humphries, ph.d.
Vice-President for Business and Operations: Frank P. Leathers, ph.d.
Vice-President for University Affairs: Ferol Robinson, ed.d.
Director of Libraries: J. P. Nunelee, ph.d.

The library contains 559,737 books, 15,796 microfilms and 280,270 other microforms.

Number of teachers: 360 full-time.

Number of students: 9,300 full-time.

Publication: *The Alumnus.*

Deans:

Student Life: M. C. Sutton, m.ed.
College of Humanities: J. Stewart Allen, ph.d.
College of Fine Arts: Charles A. Schmidt, ph.d.
College of Business Administration: B. K. Marks, ph.d.
College of Education: S. E. Ryan, ed.d.
College of Science: E. D. Wilson, ph.d.
College of Applied Arts and Sciences: J. A. Chandler, m.a.

Professors:

Agan, R. J., ed.d., Vocational Education
Amato, V. A., ph.d., Agriculture
Bennett, W. H., ph.d., Sociology
Beto, G., ph.d., Criminal Justice
Black, L. N., ph.d., English
Brooks, R. G., ph.d., English
Brown, D. D., ph.d., Life Science
Brown, M. A., ph.d., Agriculture
Burt, L. J., ph.d., Library Science
Cady, R., ed.d., Physical Education for Women
Clark, R. G., ph.d., Journalism
Condray, Martha J., ph.d., English
Cooley, A. B., ph.d., Physics
Cording, R. A., ph.d., Philosophy
Corley, L. L., m.a., General Business Administration
Davis, T. F., ph.d., Mathematics
Deshazo, M. L., ph.d., Chemistry
Dewees, A. A., ph.d., Life Sciences
Dye, E. L., ed.d., Vocational Education
Eastman, G. M., m.f.a., Art
Elmer, F. W., ed.d., Clinical Education
Emmons, Coralie A., ph.d., Physical Education for Women
Fischer, H. J., ed.d., Physical Education for Men
Foster, W. C., ph.d., Music
Frazier, C. E., Jr., ph.d., History
Friel, C. M., ph.d., Criminal Justice
Geeslin, G., m.f.a., Art
Gilmore, J. E., ed.d., Business Administration
Goodwin, J. E., ph.d., English
Griffin, H. L., m.a., Government
Guidry, C., ph.d., Chemistry
Hagerty, J. J., ph.d., History
Hall, D. D., ph.d., Life Sciences
Hampton, I. P., Jr., ed.d., Industrial Education
Harding, W. M., ph.d., Chemistry
Harris, C. L., Jr., ed.d., Education
Harrison, Majorie, ph.d., Physics
Hart, Sara A., ed.d., General Business Administration
Hawkins, E. M., d.b.a., Accounting
Hayes, B. B., ph.d., History
Hilliard, J. R., Jr., ph.d., Life Sciences
Hoage, T. R., ph.d., Life Sciences
Huff, R. B., ed.d., Accounting
Humphrey, R. E., ph.d., Chemistry
Huskey, Dorothy A., Physical Education for Women
Isham, E. R., ph.d., Physics
Jackson, G. E., m.f.a., Art
Johnson, R. D., d.b.a., Business Administration
King, O. R., ed.d., Elementary Education
Lea, S. E., m.f.a., Art
Long, J. D., ph.d., Life Sciences
Lovell, R. W., ph.d., Management and Marketing
Manka, C. K., ph.d., Physics
Marks, J. B., ph.d., Music
Mason, M. R., ph.d., English
Mattingly, G., ph.d., Mathematics
McCoy, J. H., ph.d., Computer Science
McLeod, C. A., m.s., Life Science
McLeod, J. D., m.a., Sociology
Meade, T. G., ph.d., Life Sciences
Medford, M. B., ph.d., Home Economics
Meredith, H., ph.d., Foreign Language
Mills, R. L., d.m.a., Music
Mitchell, A. G., ph.d., Speech and Drama
Montague, M. E., ed.d., Physical Education for Women
Moorman, D. G., ph.d., Agriculture
Murray, T. F., ed.d., Education
Nance, J. A., ph.d., Agriculture
Olm, L. E., ph.d., History
Pace, A. K., ed.d., Home Economics
Park, M. F., ed.d., Elementary Education
Parkhill, E., m.b.a., Accounting
Paul, J. W., d.m.a., Music
Payne, J. W., Jr., ph.d., History
Payne, R. H., ph.d., Government
Pebworth, C. A., m.a., Art
Pettus, Beryl E., ph.d., Government
Pierce, V. P., ph.d., Foreign Languages
Pilcher, W. P., ll.m., Criminal Justice
Price, R. H., ph.d., Foreign Languages
Randel, S. V., ed.d., Industrial Education and Industrial Arts
Reeves, D. H., m.a., Mathematics
Refsell, O. M., ph.d., History
Rigby, M., m.a., Physics
Souryal, Sam S., Institute of Contemporary Corrections
Staggs, J. S., ed.d., Education
Stalling, D. L., ph.d., English
Stewart, R. B., ph.d., Life Sciences
Stoltenberg, R. A., ph.d., Mathematics
Strandberg, N. D., d.m., Music
Sweeney, V. E., ph.d., Economics
Thomas, R. B., ph.d., Life Sciences
Thornton, N. L., ph.d., Management and Marketing
Tidwell, B. R., Physical Education for Men
Tiller, J. W., Jr., ph.d., Geography
Tull, F. A., Jr., ph.d., Music
Vick, G. R., ph.d., Mathematics
Wakefield, Mary W., ed.d., Clinical Education
Weber, J. P., ph.d., Psychology
Westbrook, Andrew J., English
Williams, J., ed.d., Education
Yoes, M. E., ph.d., Life Sciences
Zellar, L. E., ph.d., English

SOUTHERN METHODIST UNIVERSITY

DALLAS, TEXAS 75275

Telephone: (214) 692-2000.

Chartered 1911.

President: Dr. James H. Zumberge.
President Emeritus: Dr. Willis M. Tate.
Vice-President for Student Affairs: Walter A. Snickenberger.
Vice-President and Provost: Dr. J. E. Brooks.
Vice-President for Administration: Hoyt G. Kennemer.
Vice-President for Development and University Relations: Donald E. Smith.
Registrar: John A. Hall.

The library contains 1,479,234 vols.

Number of teachers: 630.

Number of students: 9,105.

Publications: *Southwest Review* (quarterly), *Journal of Air Law and Commerce*† (quarterly), *Southwest Law Journal*† (5 a year), *Perkins School of Theology Journal*† (quarterly).

Deans:

University College: Dr. G. H. Zeiss.
Arts: Dr. Eugene Bonelli.
Business: Dr. Alan B. Coleman.
Continuing Education: Mrs. Mary E. Miller.
Humanities and Sciences: Dr. James Early.
Engineering and Applied Science: Dr. F. Karl Willenbrock.
Law: Dr. C. O. Galvin.
Student: (vacant).
Theology: Dr. Joseph D. Quillian, Jr.

SOUTHWEST TEXAS STATE UNIVERSITY

SAN MARCOS, TEXAS 78666

Telephone: (512) 245-2111.

Founded 1899.

President: Dr. Lee H. Smith.
Vice-President for Academic Affairs: Dr. W. Norris.
Vice-President for Finance and Management: Dr. E. Payne.
Vice-President for University Affairs: Dr. B. Watson.
Vice-President for Institutional Advancement: Dr. P. Dacus.
Librarian: Dr. L. Moloney.

The library contains 474,742 vols., 434,226 microforms and 43,000 other items.

Number of teachers: 620.

Number of students: 14,670.

DEANS:

School of Liberal Arts: Dr. K. LOVIN.
School of Science: Dr. J. CAPUTO.
School of Health Professions: Dr. D. GREEN.
School of Education: Dr. J. GARLAND.
School of Business: (vacant).
School of Applied Arts: Dr. R. GRATZ.
School of Creative Arts: Dr. J. HARREL.
Graduate School: Dr. J. HILL.
Student and Academic Services: A. G. BRIEGER.

SOUTHWESTERN UNIVERSITY

GEORGETOWN, TEXAS 78626

Opened 1873 by merging of Rutersville College (Chartered 1840), Wesleyan College (1844), McKenzie College (1848), and Soule University (1856).

President: Dr. DURWOOD FLEMING.
Administrative Vice-President and Provost: WILLIAM B. JONES.
Vice-President for Fiscal Affairs: KIRK TREIBLE.
Vice-President for Admissions and Student Development: W. D. SWIFT.
Registrar: Dr. CONNIE VENABLE.
Librarian: Mrs. GRACE JONES.

The library contains 122,000 vols.

Number of teachers: 75.

Number of students: 950.

Publications: ***Bulletin*** (monthly), ***The Megaphone*** (weekly), ***Southwestern Magazine*** (quarterly), ***The Sou' Wester*** (annual).

DEANS:

College of Arts and Sciences: G. BENJAMIN OLIVER.
Fine Arts: THEODORE LUCAS.
Students: BARBARA BRIGHTWELL.

STEPHEN F. AUSTIN STATE UNIVERSITY

NACOGDOCHES, TEXAS 75962

Telephone: 569-2011.

Founded 1923.

President: WILLIAM R. JOHNSON.
Vice-President for Academic Affairs: BILL J. FRANKLIN.
Vice-President for Fiscal Affairs: C. G. HAAS.
Vice-President for Student Affairs: GORDON BEASLEY.
Library Director: ALVIN CAGE.

The library contains 254,000 vols.

Number of teachers: 435.

Number of students: 10,884.

DEANS:

School of Business Administration: F. LAUDERDALE.
School of Education: R. T. MCKIBBEN.
School of Fine Arts: ROBERT SIDNELL.
School of Forestry: KENT T. ADAIR.
School of Liberal Arts: JAMES REESE.
School of Sciences and Mathematics: GLEN T. CLAYTON.
Graduate School: EDWIN GASTON.

SUL ROSS STATE UNIVERSITY

ALPINE, TEXAS 79830

Telephone: (915) 837-3461.

Founded 1917.

President: C. R. RICHARDSON.
Registrar: Mrs. DOROTHY LEAVITT.
Librarian: J. TODD.

The library contains 161,954 vols.

Number of teachers: 98.

Number of students: 2,730.

ATTACHED INSTITUTE:

Boquillas Research Centre: Big Bend National Park, Panther Junction, Texas 79834.

TEXAS A & I UNIVERSITY AT CORPUS CHRISTI

P.O.B. 6010, CORPUS CHRISTI, TEXAS 78411

Founded 1971.

President: D. WHITNEY HALLADAY, M.A., ED.D.
Executive Vice-President: B. ALAN SUGG, M.ED., PH.D.
Registrar: WILLIAM C. MARTIN, B.M.E., M.M., ED.D.
Business Manager: J. A. GARCIA, Jr., B.A.
Librarian: CARL R. WROTENBERY, B.D., TH.D.

DEANS:

Arts and Humanities: MIRIAM WAGENSCHEIN, M.A., ED.D.
Science and Technology: RALPH GILCHRIST, M.S., PH.D.
Teacher Education: WALLACE DAVIS, M.S., PH.D.
Business Administration: JOHN M. RICHARDS, M.S., PH.D.

TEXAS A & I UNIVERSITY IN KINGSVILLE

KINGSVILLE, TEXAS 78363

Founded 1917.

Established as South Texas Normal School; name changed to South Texas State Teachers' College by law in 1923, to Texas College of Arts and Industries by law in 1929, and to Texas A & I University by law in 1967.

President: DUANE M. LEACH, M.A., PH.D.
Vice-President for Academic Affairs: RICHARD MEYER, M.S., ED.D.
Vice-President for University Affairs: MANUEL SALINAS, Jr., M.S., PH.D.
Director of Research: RICHARD B. DAVIS, M.A., PH.D.
Director of Continuing Education: JERRY D. BOGENER, M.A., D.ED.
Registrar and Dean of Admissions: W. J. HALL, PH.D
Librarian: PAUL GOODE, M.S.L.S.

The library contains 416,043 vols. and receives 2,108 periodicals.

Number of teachers: 218.

Number of students: 6,667.

DEANS:

Agriculture: IRWIN A. DYER, M.S.A., PH.D.
Arts and Sciences: JOHN TALMER PEACOCK, M.S., PH.D.
Business Administration: ROBERT T. NASH, PH.D.
Engineering: ERNEST A. FRANKE, M.S., PH.D.
Teacher Education: J. W. GLOCK, M.A., ED.D.
Graduate Studies: J. C. RAYBURN, M.A., PH.D.

ATTACHED INSTITUTE:

Texas A & I University Citrus and Vegetable Training Center: Weslaco, Texas; Dir. RICHARD A. HENSZ, M.S., PH.D.

TEXAS A & M UNIVERSITY SYSTEM

COLLEGE STATION, TEXAS 77843

Telephone: (713) 845-4641.

Founded 1876.

Academic year: September to August.

Chancellor: JACK K. WILLIAMS, PH.D.
Executive Vice-Chancellor for Administration: W. C. FREEMAN.
Executive Vice-Chancellor for Programs: JOHN C. CALHOUN, Jr., PH.D.

The System covers the following senior institutions:

Texas A & M University

COLLEGE STATION, TEXAS 77843

Telephone: (713) 845-3211.

Founded 1876, University 1963.

President: JARVIS E. MILLER, PH.D.
Vice-Presidents: J. M. PRESCOTT, PH.D. (Academic Affairs), HOWARD L. VESTAL (Business Affairs), FRED J. BENSON (Engineering and Non-renewable Resources), PERRY L. ADKISSON (Agriculture and Renewable Resources), ROBERT L. WALKER (Development), JOHN J. KOLDUS, PH.D. (Student Services).
Dean of Admissions and Records: EDWIN H. COOPER, B.S.
Director of Library: IRENE B. HOADLEY, PH.D.

The library contains 1,150,000 vols.

Number of teachers: 1,700.

Number of students: 30,000.

DEANS:

College of Engineering: R. E. THOMAS, PH.D.

College of Agriculture: H. O. Kunkel, Ph.D.
College of Veterinary Medicine: George C. Shelton, D.V.M.
Graduate College: G. W. Kunze, Ph.D.
College of Education: F. W. R. Hubert, Ph.D.
College of Geosciences: Earl F. Cook, Ph.D.
College of Science: T. T. Sugihara, Ph.D.
College of Liberal Arts: W. D. Maxwell, Ph.D.
College of Business Administration: C. A. Phillips, Ph.D. (acting).
College of Architecture and Environmental Design: Raymond D. Reed, M.S.
College of Medicine: Robert S. Stone, M.D.

Prairie View A & M University

Prairie View, Texas 77445
Telephone: (713) 857-2111.

Founded 1876, University 1973.

President: A. I. Thomas, Ph.D.
Registrar: C. A. Thomas.
Vice-President for Fiscal Affairs: Griff W. Kendrick.
Vice-President for Physical Planning and Engineering: Decatur B. Rogers, Ph.D.
Vice-President for Research and Special Programs: Ivory V. Nelson, Ph.D.
Vice-President for Academic Affairs: (vacant).
Director of Library: Frank Francis, M.S.

The library contains 90,000 vols.
Number of teachers: 292.
Number of students: 4,800.

Deans:

College of Agriculture: Freddie Richards.
College of Arts and Sciences: (vacant).
College of Engineering: Austin E. Greaux.
College of Home Economics: Flossie M. Byrd, Ph.D.
College of Industrial Education: S. R. Collins, Ed.D.
College of Nursing Education: Jewellean Mangaroo, Ph.D.
College of Business: Bernice R. Rollins (acting).
College of Education: Harry Hendricks, Ph.D.
Graduate School: Wayman Webster, Ph.D.
Men: L. Marion, B.S.
Women: Mrs. R. L. Bland Evans, M.S.

Tarleton State University

Stephenville, Texas 76401
Telephone: (817) 965-4322.

Founded 1899, University 1973.

President: W. O. Trogdon, Ph.D.
Vice-President and Dean of Instruction: J. W. Autry, Ph.D.
Dean of Student Personnel Services: C. C. Ballow, B.S.
Director of Admissions: Conley Jenkins, Ph.D.
Registrar: J. M. Whiting, M.S.
Librarian: H. T. Lohrman, M.L.S.

The library contains 130,000 vols.
Number of teachers: 150.
Number of students: 3,300.

Deans:

School of Arts and Sciences: Robert C. Fain, Ph.D.
School of Education: Leo C. Purvis, Ph.D.
School of Agriculture and Business: Jesse L. Tackett, Ph.D.
School of Graduate Studies: Robert Walker, Ph.D.
Men: Mike Leese.
Women: Mrs. Alice D. Matthews.

TEXAS CHRISTIAN UNIVERSITY

FORT WORTH, TEXAS 76129
Telephone: (817) 921-7000.

Founded 1873.

Chancellor: James M. Moody, Ph.D.
Executive Vice-Chancellor: H. Lawrence Wilsey, Ph.D.
Vice-Chancellor and Chief Fiscal Officer: L. C. White, C.P.A.
Vice-Chancellor and Dean of the University: E. Leigh Secrest, Ph.D. (acting).
Vice-Chancellor and Provost: H. G Wible, Ed.D.
Vice-Chancellor and Director of Development: Paul W. Hartman, Ph.D.
Registrar: C. A. Cumbie, M.Ed., M.A.
Librarian: P. M. Parham, Ph.D.

The library contains 860,000 vols.
Number of teachers: 518.
Number of students: 6,132.
Publications: *Bulletins.*

Deans:

Add Ran College of Arts and Sciences: Jim W. Corder, Ph.D.
Brite Divinity School: M. Jack Suggs, Ph.D.
Harris College of Nursing: Virginia M. Jarratt, Ph.D.
M. J. Neeley School of Business: Gilbert R. Whitaker, Jr., Ph.D.
School of Education: H. F. Lagrone, Ed.D.
School of Fine Arts: G. T. Tade, Ph.D.
Graduate School: (vacant).

TEXAS LUTHERAN COLLEGE

SEGUIN, TEXAS 78155
Telephone: (512) 379-4161.
Founded 1891.

Liberal arts college which aims to provide a disciplined process of self-education within the context of academic freedom.

President: Dr. C. H. Oestreich.
Registrar: M. R. Jaroszewski.
Librarian: W. Lussky.

Number of teachers: 64.
Number of students: 1,100.

TEXAS SOUTHERN UNIVERSITY

3201 WHEELER AVE.,
HOUSTON, TEXAS 77004
Telephone: (713) 527-7011.

Founded 1947.
State control.

President: G. M. Sawyer, M.A., Ph.D.
Vice-President for University Relations: Hortense W. Dixon, M.S., Ph.D.
Vice-President for Academic Affairs: R. J. Terry, M.S., Ph.D.
Vice-President for Administrative Services: E. O. Bell, J.D.
Vice-President for Fiscal Affairs: Arthur W. Danner, M.B.A.
Dean of Students: Charles R. Walker, Jr., M.A., Ph.D.
Assistant to the President and Director of Facilities Management: Melvin J. Bergeron, M.B.A., J.D., C.P.A.
Assistant to the President for Federal Relations and Special Projects: John S. Lash, A.M., Ph.D.
Registrar and Director of Admissions: J. E. Westberry, M.S., M.A.
Director of Libraries: S. W. Mothershed, M.S.

Libraries contain 270,000 vols.

Number of teachers: 427.
Number of students: 9,500.

Publications: *Ex-Press* (quarterly), *Inside T.S.U.* (monthly), *Urban Notebook*† (quarterly).

Deans:

College of Arts and Sciences: L. L. Clarkson, M.S., Ph.D.
School of Communications: Carlton W. Mollette, M.S.A., Ph.D.
School of Law: O. H. King, LL.M.
School of Pharmacy: P. Wells, M.S., Ph.D.
School of Technology: R. L. Prater, M.S., Ed.D.
Graduate School: Joseph Jones, Jr., M.S.C., Ph.D.
School of Business: L. B. Bickham, M.B.A., Ph.D.
School of Education: James B. Jones, M.Ed., D.Ed.
School of Public Affairs: W. J. McCoy, M.A., M.P.A., Ph.D.

TEXAS TECH UNIVERSITY

LUBBOCK, TEXAS 79409
Telephone: (806) 742-2011.

Founded by Texas Legislature 1923.

President: Dr. Cecil Mackey, Ph.D.
Executive Vice-President: G. E. Barnett, Ph.D.
Registrar: Don Wickard.
Dean of Library Services: R. C. Janeway, M.S.

The library contains 2,500,000 vols.
Number of teachers: 1,386.
Number of students: 22,176.

Deans:

College of Agricultural Sciences: A. R. Bertrand, Ph.D.

College of Arts and Sciences: L. L. GRAVES, PH.D.
College of Business Administration: CARL H. STEM, PH.D.
College of Education: ROBERT ANDERSON, PH.D.
College of Engineering: J. R. BRADFORD, PH.D.
College of Home Economics: DONALD LONGWORTH, PH.D.
Graduate School: J. KNOX-JONES, PH.D.
School of Law: F. W. ELLIOTT, LL.B.

Texas Tech University School of Medicine at Lubbock: Tel. (806) 743-3111.
Dean: GEORGE TYNER, M.D.

ATTACHED INSTITUTES:

International Center for Arid and Semi-Arid Land Studies.
Director: H. E. DREGNE, PH.D.

Textile Research Center.

Institute for Brush Control.

Institute for Evaporite Studies.

Institute of Science and Engineering.

Texas Tech University Water Resources Center.

West Texas Water Institute.

TEXAS WESLEYAN COLLEGE

FORT WORTH, TEXAS 76105
Telephone: (817) 534-0251.
Founded 1891.

President: JON H. FLEMING.
Provost: W. L. HAILEY.
Vice-President: JAKE B. SCHRUM.
Registrar: D. E. CARTER.
Librarian: Mrs. NELL ORNEE.

The library contains 122,000 vols.
Number of teachers: 85.
Number of students: 1,588.

TEXAS WOMAN'S UNIVERSITY

DENTON, TEXAS 76204
Telephone: 387-1322.
Founded 1901.

President: Dr. MARY EVELYN BLAGG HUEY.
Vice-President for Academic Affairs: Dr. DAVID L. GATES, Jr.
Vice-President for Fiscal Affairs: ROBERT O. BENFIELD.
Vice-President for Student Life: Dr. JEANNE FISHER.
Vice-President for the Institute of Health Sciences: Dr. MARGARET B. HARTY.
Dean of the Graduate School: Dr. PHYLLIS J. BRIDGES.
Librarian: Dr. S. J. MARINO.

The library contains 600,000 vols.
Number of teachers: 458.
Number of students: 9,023.
Publication: *Daedalian* (quarterly).

TRINITY UNIVERSITY

715 STADIUM DRIVE,
SAN ANTONIO, TEXAS 78284
Telephone: 736-7011.
Founded 1869.

President: BRUCE THOMAS.
Registrar: L. B. HIGGINS.
Librarian: R. A. HOUZE.

Number of teachers: 236, including 47 professors.
Number of students: 3,572.
Publications: *Trinitonian*, *Mirage*.

DEANS:

Vice-President for Academic Affairs: Dr. J. NORMAN PARMER.
Faculty of Communications and Arts: Dr. G. MYERS.
Graduate School: (vacant).
Faculty of Engineering and Sciences: Dr. JOHN A. BURKE, Jr.
Faculty of Business and Management: PAUL WALTHALL.
Faculty of Education: Dr. JOHN H. MOORE.
Faculty of Humanities: Dr. GEORGE BOYD.
Faculty of Social and Behavioural Sciences: Dr. KENNETH KRAMER.

UNIVERSITY OF DALLAS

IRVING, TEXAS 75061
Telephone: 438-1123.
Founded 1956.

President: JOHN R. SOMMERFELDT.
Registrar: Mrs. SYBIL NOVINSKI.
Librarian: Sister JOSEPH MARIE ANDERSON, S.S.N.D.

The library contains 170,000 vols.
Number of teachers: 135.
Number of students: 1,909.

UNIVERSITY OF HOUSTON

HOUSTON, TEXAS 77004
Founded 1927.

President: PHILIP G. HOFFMAN.
Vice-President for Financial Affairs and Treasurer, UH System: R. L. SINGLETON.
Chancellor: B. MUNITZ.
Provost: G. W. MAGNER.
Director, Undergraduate Admissions: M. E. SWISS.
Director, Graduate Admissions: M. McCOY.
Director, Registration and Scheduling: M. LUCCHESI.
Librarian: ROBERT V. HAYNES.

The library contains 1,100,000 vols.

Number of teachers: 1,000 full-time, 800 part-time.
Number of students: 29,000.

Publications: *Forum* (literary quarterly), *Houston Law Review* (Bates College of Law Publication), *South Central Language Association Bulletin*, *The Staffer* (staff monthly), numerous student periodicals.

DEANS:

Architecture: W. R. JENKINS.
Business Administration: A. B. COCANOUGHER.
Education: R. B. HOWSAM.
Engineering: A. E. DUKLER.
Humanities and Fine Arts: J. C. GUILDS.
Law: G. W. HARDY III.
Natural Sciences and Mathematics: R. H. WALKER.
Optometry: C. STEWART (acting).
Pharmacy: J. P. BUCKLEY.
Social Sciences: D. GOTTLIEB.
Technology: H. E. McCALLICK.
Continuing Education and Hotel/Restaurant Management: J. C. TAYLOR.
Graduate School of Social Work: D. JENNINGS.

ATTACHED INSTITUTIONS:

Computing Center: Dir. W. J. ROWLEY.
Center for Open Learning: Dir. F. S. HOWARD.
Energy Institute: Dir. A. F. HILDEBRANDT.
Institute for Urban Studies: Dir. R. C. STEPHENS.
Institute for Labor and Industrial Relations: Dir. J. E. WILLIAMS.
Center for Continuing Education: Dean J. C. TAYLOR.
Center for Integrated Studies: Dir. J. McHALE.
Blaffer Gallery: Dir. W. A. ROBINSON.

UNIVERSITY OF ST. THOMAS

3812 MONTROSE BLVD.,
HOUSTON, TEXAS 77006
Telephone: 522-7911.
Founded 1947.
Private control.

President: Rev. PATRICK O. BRADEN, C.S.B.
Vice-President for Community Services: Rev. FRANCIS C. MONAGHAN, C.S.B.
Vice-President for University Affairs: Dr. JAMES T. SULLIVAN.
Vice-President for Academic Affairs: Rev. WILLIAM J. YOUNG, C.S.B.
Vice-President for Development: M. A. WEBER.
Registrar: Dr. G. A. KNAGGS.
Librarian: Miss DOROTHY DILLON.

The library contains 120,000 vols.
Number of teachers: 150.
Number of students: 1,769.
Publications: *Cauldron*, *Dimension*.

DEANS:

Dean of Student Affairs: N. J. HOGAN.
Dean of Studies: D. W. HOGAN.
School of Theology: Rev. ANDREW WILLEMSON, C.M.
School of Nursing: Dr. SHIRLEY DOOLING.
School of Business: Dr. YHI-MIN HO.

ATTACHED INSTITUTE:

Institute for Storm Research.

THE UNIVERSITY OF TEXAS SYSTEM

AUSTIN, TEXAS 78701
Telephone: (512) 471-4877.
Founded 1881.

Chancellor: E. D. Walker, M.B.A., C.P.A., LL.D. (acting).
President: E. D. Walker, M.B.A., C.P.A., LL.D.
Vice-President for Academic Affairs: Ernest Smerdon, PH.D.
Vice-President for Health Affairs: Edward N. Brandt, Jr., M.D., PH.D.
Vice-President for Administration: Robert L. Hardesty, B.S.
Vice-President and General Counsel: James Fitzpatrick, J. D., LL.M.
Vice-President for Business Affairs: Joe E. Boyd, Jr., B.S., M.B.A., C.P.A.
Director for Public Affairs: Herman Adams, B.S.

University of Texas at Austin

Austin, Texas 78712
Telephone: 471-1232.

Founded 1881; formerly University of Texas, Main University.

State control; Academic year: September to May (two terms) with two summer sessions.

President: Lorene L. Rogers.
Vice-President for Business Affairs: J. C. Colvin.
Vice-President for Academic Affairs: William L. Hays.
Vice-President and Dean of Graduate Studies: Irwin C. Lieb.
Vice-President for Research: Harry E. Sutton.
Vice-President for Student Affairs: James P. Duncan.
Vice-President for Administrative Services: Ronald M. Brown.
Librarian: Harold Billings.

Library: *see* Libraries.
Number of teachers: 2,300.
Number of students: 40,000 (approx.).
Publications: *Texas Quarterly, Graduate Journal, Arion, Texas Studies in Literature and Language.*

Deans:

College of Business Administration: G. Kozmetsky, D.C.S.
School of Communications: W. A. Danielson, PH.D.
College of Humanities: S. N. Werbow, PH.D.
College of Education: L. G. Kennamer, PH.D.
College of Social and Behavioural Sciences: Robert D. King, PH.D.
College of Engineering: E. F. Gloyna, D.ENG.
College of Fine Arts: Oscar Brockett.
College of Natural Sciences: A. R. Schrank, PH.D.
College of Pharmacy: James T. Doluisio, PH.D.
School of Law: Ernest E. Smith III, LL.B.
Graduate School of Library Science: C. G. Sparks, PH.D.
School of Architecture: Harold Box.
Graduate School of Social Work: George Herbert, PH.D. (acting).
LBJ School of Public Affairs: Elspeth Rostow.
Division of General and Comparative Studies: James Hitt, PH.D. (acting).
Continuing Education: Thomas Hatfield, PH.D.
School of Nursing: Billye J. Brown, ED.D., R.N.

Professors:

College of Humanities:
Abrahams, R. D., Anthropology, English
Allaire, E. B., Philosophy
Andersson, T., PH.D., Spanish and Portuguese
Angelelli, I. A., PH.D., Philosophy
Arocena, L. A., PH.D., Spanish and Portuguese
Bar-Adon, A., Linguistics, Oriental and African Languages
Biasin, G., PH.D., French and Italian
Bowden, E. T., English
Boyer, M. V., Spanish and Portuguese
Browning, G. D., PH.D., Philosophy
Cantarino, V., Spanish and Portuguese, Oriental and African Languages, Center for Middle Eastern Studies
Cranfill, T. M., PH.D., English
Dassonville, M., PH.D., French
DeCamp, D., English, Linguistics
Desani, G. V., Philosophy
Ellison, F. P., PH.D., Spanish and Portuguese
Friedman, A. W., PH.D., English
Galinsky, G. K., PH.D., Classics
Gordon, A., Jr., PH.D., English
Grant, R. B., PH.D., French
Green, P. M., PH.D., Classics
Haden, E. F., PH.D., French and Italian
Hughes, Leo, PH.D., English
Jakobson, S. P., Slavic Languages
Jazayery, M. A., Oriental and African Languages, Center for Middle Eastern Studies
Jones, J., PH.D., English
Katre, S. M., Oriental and African Languages
Kaufman, R. J., English and Comparative Studies
Keast, W. R., PH.D., English
Kinneavy, J. L., PH.D., English
Langford, G., PH.D., English
Lehmann, R. P., PH.D., English
Lehmann, W. P., PH.D., Germanic Languages, Linguistics
Lieb, I. C., PH.D., Philosophy
Lindfors, B. O., PH.D., English and Oriental and African Languages and Literature
Lovell, E. J., Jr., PH.D., English
Mackey, L. H., PH.D., Philosophy
Malof, J. F., PH.D., English
Martin, N., Philosophy, Computer Science
Matluck, J. H., PH.D., Spanish and Portuguese
Maurer, O. E., PH.D., English
Megaw, R. N. E., English
Michael, W. F., PH.D., Germanic Languages
Middleton, J. C., Germanic Languages
Miller, D. L., PH.D., Philosophy
Mills, G. H., English
Moldenhauer, J. J., PH.D., English
Monas, Sidney, PH.D., Slavic Languages and History
Moore, C. F., Physics
Morgan, G., Classics and History
Mourelatos, A. P. D., PH.D., Philosophy
Nethercut, W. R., PH.D., Classics
Palter, R., History, Philosophy
Paredes, A., PH.D., English, Anthropology
Parker, A. A., M.A., LITT.D., Spanish and Portuguese
Parker, D. S., Classics
Phillips, A., Spanish and Portuguese
Pincoffs, E., Philosophy
Polomé, E. G. C., PH.D., Germanic Languages, Linguistics, Oriental and African Languages
Radkey, O. H., PH.D., History
Rao, R., Philosophy
Rehder, H., PH.D., Germanic Languages
Roberts, F. W., English
Sackton, A. H., English
Schade, G. D., Jr., Spanish and Portuguese
Schulz-Behrend, G., PH.D., Germanic Languages
Sellstrom, A. D., French and Italian
Seung, T. K., PH.D., Philosophy
Sledd, J. H., PH.D., English, Linguistics
Steffan, T. G., PH.D., English
Stephens, J. M., Jr., French and Italian
Sutherland, W. O., PH.D., English
Teele, R. E., Oriental and African Languages, Center for Asian Studies
Thieleman, L. J., PH.D., French and Italian
Todd, W. B., PH.D., English
Velz, J. W., English
Walter, J. A., English
Werbow, S. N., PH.D., Germanic Languages
Westbrook, M. R., PH.D., English
Whitbread, T. B., PH.D., English
Willson, A. L., Germanic Languages
Wilson, R. H., PH.D., English

College of Natural Sciences:
Aggarwal, J. K., PH.D., Computer Sciences and Electrical Engineering
Alexopoulos, C. J., PH.D., Botany
Backus, M. M., PH.D., Geology
Bailey, P. S., Chemistry
Bard, A. J., Chemistry
Barker, D. S., PH.D., Geology
Barnes, V. E., PH.D., Geology
Bauld, N. L., PH.D., Chemistry
Berberian, S. K., Mathematics
Bernau, S. J., PH.D., Mathematics
Berry, L. J., Microbiology and Education
Biesele, J. J., PH.D., Zoology
Bing, R. H., PH.D., Mathematics
Blair, W. F., PH.D., Zoology
Bledsoe, W. W., PH.D., Mathematics, Computer Science
Bloch, D. P., Botany
Boggs, J. E., Chemistry
Bold, H. C., PH.D., Botany
Boyer, R. E., Geology
Breland, O. P., PH.D., Zoology
Brightman, Anna, PH.D., Home Economics
Bronson, F. H., PH.D., Zoology
Brown, L. F., Jr., PH.D., Geology
Brown, W. V., PH.D., Botany
Browne, J. C., Computer Science, Physics
Burk, C. A., PH.D., Marine Studies and Geology
Bush, G. L., PH.D., Zoology
Cannon, J. R., Mathematics
Charnes, A., PH.D., Computer Science, Mathematics
Cheney, E. W., Mathematics
Clabaugh, S. E., PH.D., Geology
Cowley, A. H., Chemistry
Daniel, J. W., PH.D., Computer Science and Mathematics

Danielson, W. A., Ph.D., Computer Sciences and Journalism
Davis, R. E., Ph.D., Chemistry
Delevoryas, T., Ph.D., Botany
Desjardins, C., Ph.D., Zoology
De Vaucouleurs, G., D.Sc., Astronomy
Dewar, M. J. S., Ph.D., Chemistry
De Wette, F. W., Ph.D., Physics
Dewitt, C. M., Ph.D., Astronomy
Dorman, H. J., Ph.D., Marine Studies and Geology
Douglas, J. N., Ph.D., Astronomy
Drummond, W. E., Ph.D., Physics
Duggan, M. A., Computer Sciences and Business Law
Durrett, Mary E., Ph.D., Home Economics
Eakin, R. E., Ph.D., Chemistry
Edmonds, F. N., Ph.D., Astronomy
Edmondson, D. E., Ph.D., Mathematics
Ellison, S. P., Jr., Ph.D., Geology
Eppright, Margaret A., Ph.D., Home Economics
Evans, D. S., Astronomy
Fisher, W. L., Geology
Flawn, P. T., Ph.D., Geology
Folk, R. L., Ph.D., Geology
Folkers, K., Chemistry and Pharmacy
Fonken, G. J., Ph.D., Chemistry
Forrest, H. S., Ph.D., Zoology
Frommhold, L. W., Physics
Gardiner, W. C., Jr., Ph.D., Chemistry
Gardner, C. S., Mathematics
Gavenda, J. D., Physics
Gentle, K. W., Ph.D., Physics
Gibb, Glenadine, Ph.D., Mathematics
Gibson, D. T., Ph.D., Microbiology
Gilbert, J. E., Ph.D., Mathematics
Gillman, L., Mathematics
Grant, Verne, Ph.D., Botany
Greenwood, R. E., Ph.D., Mathematics
Griffy, T. A., Physics
Guy, W. T., Jr., Ph.D., Mathematics
Hamilton, T., Zoology
Hardesty, B. A., Ph.D., Chemistry
Hiraizumi, Y., Dr.Sci., Zoology
Hubbs, C., Ph.D., Zoology
Hudspeth, E. L., Ph.D., Physics
Ingerson, E., Ph.D., Geology
Ivash, E. V., Physics
Jacobson, A. G., Zoology
John, P. W. M., Mathematics
Johnston, M. C., Ph.D., Botany
Jonas, E. C., Geology
Judd, B. H., Zoology
Kleinman, L., Physics
Kozmetsky, G., D.C.S., Computer Sciences and Business Administration
Lacey, H. E., Ph.D., Mathematics
Lagowski, J. J., Chemistry
Lambert, D. L., Ph.D., Astronomy
Langston, W., Ph.D., Geology
Lankford, C. E., Ph.D., Microbiology
Larimer, J. L., Zoology
Levin, D. A., Ph.D., Botany
Little, R. N., Jr., Ph.D., Physics
Loehlin, J. C., Ph.D., Psychology, Computer Science
Long, L. E., Ph.D., Geology
Longnecker, J. B., Ph.D., Home Economics
Lorentz, G. G., Mathematics
Lundelius, E. L., Jr., Geology
Mabry, T. J., Botany
McBride, E. F., Geology
McMillan, C., Ph.D., Botany
Mandy, W. J., Ph.D., Microbiology
Martin, N. M., Ph.D., Philosophy, Computer Sciences and Electrical Engineering
Matsen, F. A., Ph.D., Chemistry and Physics
Maxwell, J. C., Geology
Menaker, M., Ph.D., Zoology
Millett, W. E., Ph.D., Physics
Moore, C. F., Ph.D., Physics
Morgan, L. O., Ph.D., Chemistry
Muelberger, W. R., Ph.D., Geology
Myers, J. E., Ph.D., Botany and Zoology
Ne'eman, Y., Ph.D. ,Physics
Nicol, J. A. C., D.Phil., Marine Studies
Nolle, A. W., Ph.D., Physics
Oakes, M. E. L., Ph.D., Physics
Oppenheimer, C. H., Microbiology
Osborn, R. C., Mathematics
Parker, P. T., Ph.D., Chemistry and Marine Studies
Pavan, C., Zoology
Pettit, R., Ph.D., Chemistry
Powers, E. L., Ph.D., Zoology
Prigogine, Ilya, Physics
Ravel, J. M., Ph.D., Chemistry
Reed, L. J., Ph.D., Chemistry
Richards, Phyllis L., Ph.D., Home Economics
Riggs, A. F., Ph.D., Zoology
Riley, P. J., Ph.D., Physics
Roberts, R. M., Ph.D., Chemistry
Robertson, W. W., Ph.D., Physics
Rogers, Lorene L., Ph.D., Home Economics
Sanders, B., Ph.D., Zoology
Scherr, C. W., Physics
Schild, A., Ph.D., Physics
Schrank, A. R., Ph.D., Zoology
Schumaker, L. L., Ph.D., Mathematics
Schuhardt, V. T., Ph.D., Microbiology
Scott, A. J., Geology
Shive, W., Ph.D., Chemistry
Simmons, R. F., Computer Science, Psychology
Simonsen, S. H., Ph.D., Chemistry
Smith, H. J., Ph.D., Astronomy
Snell, E., Ph.D., Chemistry and Microbiology
Spear, I., Botany
Spurr, S. H., Ph.D., Botany and Public Affairs
Sudarsham, E. C. G., Physics
Sutton, H. E., Ph.D., Zoology
Tamura, T., Physics
Thompson, Guy A., Ph.D., Botany
Thompson, J. C., Physics
Turner, B. L., Ph.D., Botany
Van Baalen, C., Ph.D., Botany
Wade, W. H., Ph.D., Chemistry
Wagner, R. P., Ph.D., Zoology
Watkins, J. S., Ph.D., Marine Studies and Geology
Watt, G. W., Ph.D., Chemistry
Whaley, W. G., Ph.D., Botany
Wheeler, M. R., Ph.D., Zoology
White, J. M., Ph.D., Chemistry
Wilson, J. A., Ph.D., Geology
Wohlschlag, D. E., Ph.D., Marine Studies
Worzel, J. L., Marine Studies and Geology
Wyss, O., Ph.D., Microbiology
Yeh, R. T., Ph.D., Computer Science and Electrical Engineering
York, C. W., Ph.D., Home Economics
Young, D. M., Jr., Computer Science, Mathematics
Young, K. P., Ph.D., Geology
Ziegler, D. M., Chemistry

College of Social and Behavioural Sciences:

Adams, R. N., Ph.D., Anthropology
Amsel, A., Psychology
Arnakis, G. G., Ph.D., History
Barker, Nancy N., Ph.D., History
Bauman, R., Ph.D., Anthropology
Benson, N. L., Ph.D., History
Bieri, J., Psychology
Bill, J. A., Ph.D., Government
Bonjean, C. M., Sociology
Braisted, W. R., History
Briggs, V. M., Ph.D., Economics
Browning, H. L., Ph.D., Sociology
Bruell, J., Psychology
Buchler, I. R., Ph.D., Anthropology
Buss, A., Psychology
Campbell, T. N., Ph.D., Anthropology
Cornell, J. B., Ph.D., Anthropology
Cotner, R. C., History
Crunden, R. M., Ph.D., History and American Studies
Dacy, D. C., Ph.D., Economics
Davis, E. M., Ph.D., Anthropology
Divine, R. A., Ph.D., History
Edwards, D. V., Ph.D., Government
English, P. W., Geography, Center for Middle Eastern Studies
Epstein, J. F., Anthropology
Feagin, Joe, Ph.D., Sociology
Fernea, R. J., Anthropology, Center for Middle Eastern Studies
Firey, W. I., Jr., Ph.D., Sociology
Foss, D. J., Ph.D., Psychology
Frantz, J. B., Ph.D., History
Glade, W. P., Ph.D., Economics
Glass, D., Ph.D., Psychology
Glenn, N. D., Sociology
Goetzmann, W. H., Ph.D., History and American Studies
Gordon, W., Ph.D., Economics
Gough, P., Psychology
Gould, L. L., Ph.D., History
Graham, L. S., Ph.D., Government
Graham, R., Ph.D., History
Gronouski, J. A., Economics
Grubbs, C. M., Ph.D., Economics
Hall, M. G., History
Hancock, M. D., Ph.D., Government
Hansen, N. M., Ph.D., Economics
Hardgrave, R. L., Government
Harms, R. T., Linguistics
Helmreich, R. L., Ph.D., Psychology
Hill, F. G., Ph.D., Economics
Hoffman, G. W., Ph.D., Geography
Holtzman, W. H., Ph.D., Psychology
Holz, R. K., Ph.D., Geography
Huff, D. L., Geography
Iscoe, Ira, Ph.D., Psychology
Jeffress, L. A., Ph.D., Psychology
Kendrick, D. A., Ph.D., Economics
Kennamer L., Ph.D., Geography
King, R. D., Ph.D., Linguistics
Lasby, C. G., Ph.D., History
Lathrop, B. F., Ph.D., History
Leiden, C., Government
Liebhafsky, H. H., Ph.D., Economics
Livingston, W. S., Ph.D., Government
Loehlin, J. C., Ph.D., Psychology, Computer Science
Lopreato, J., Sociology
Louis, W. R., D.Phil., History
Malina, R. M., Ph.D., Anthropology
MacDonald, H. M., Ph.D., Government
MacNeilage, P. F., Ph.D., Linguistics and Psychology
McDonald, S. L., Ph.D., Economics
McGann, T. F., Ph.D., History
McKie, J. W., Ph.D., Economics
McLemore, S. D., Sociology
Manosevitz, M., Ph.D., Psychology
Marshall, F. R., Ph.D., Economics
Meacham, S., History
Mendelson, W., Ph.D., Government
Monas, S., Slavic Languages, History
Morgan, D. C., Ph.D., Economics
Newcomb, W. W., Jr., Ph.D., Anthropology
Oliver, S. C., Ph.D., Anthropology
Otis, J., Ph.D., Sociology
Peters, P. S., Ph.D., Linguistics
Prentice, N. M., Psychology
Price, D. O., Sociology
Radkey, O. H., Ph.D., History
Redford, E. S., Ph.D., Government
Roach, J. R., Ph.D., Government
Ross, S. R., History
Rostow, E. D., Government
Rostow, W. W., History, Economics
Schaedel, R. P., Anthropology

Schmitt, K. M., Government
Schneider, L., Sociology
Simmons, R. F., Computer Science, Psychology
Sjoberg, G. A., Sociology
Smith, A. G., Ph.D., Anthropology and Speech Communication
Spence, J. T., Psychology and Educational Psychology
Sunder, J. E., History
Taborsky, E., Dr. of State Sci., Government
Thiessen, D. D., Ph.D., Psychology
Thompson, C. C., Ph.D., Economics
Vucinich, A., History
White, P. L., Ph.D., History
Young, R. K., Psychology

College of Business Administration:

Alpert, M. I., D.B.A., Marketing Administration
Arbingast, S. A., Ph.D., Marketing
Ashburne, J. G., Ph.D., Accounting
Blair, C. P., Ph.D., Marketing Administration
Brandt, F. S., Management
Bright, J. R., Management
Bruce, G. D., Ph.D., Marketing
Charnes, A., General Business
Cox, F. L., LL.B., General Business
Crum, L. L., Finance
Cundiff, E. W., D.Ed., Marketing
Doenges, R. C., D.B.A., Finance
Duggan, M. A., M.P.L., General Business
Griffin, C. H., Ph.D., Accounting
Huff, D. J., Marketing Administration
Jentz, G., General Business
Kay, J. R., Ph.D., Finance
Klingman, D. D., Ph.D., General Business and Computer Sciences
Knight, K. E., Ph.D., Management
Konecci, E. B., Management
Kozmetsky, G., Management
Lanham, E., Ph.D., Management
Larson, K. D., D.B.A., Accounting
Lord, W. J., Jr., General Business
May, F. B., Ph.D., General Business
Nelson, E. W., LL.B., General Business
Ruefli, T. W., Ph.D., Management
Shapero, A., Management
Sommerfeld, R. M., Accounting
Sord, B. H., Ph.D., Management
Summers, E. L., Ph.D., Accounting
Tucker, W. T., Ph.D., Marketing
Walker, E. W., D.B.A., Finance
Welsch, G. A., Ph.D., C.P.A., Accounting
Williams, T. H., Ph.D., Accounting
Witt, R. E., Ph.D., Marketing Administration
Wolf, H. A., Finance
Zlatkovich, C. T., Ph.D., C.P.A., Accounting

School of Communications:

Ashmore, L. L., Ph.D., Speech
Brooks, R. D., Ph.D., Radio-Television-Films
Danielson, W. A., Journalism
Davis, N. G., Ph.D., Journalism
Jeffrey, R. C., Speech
King, C. R., Journalism
Kopra, L. L., Ph.D., Speech
Davis, R. E., Ph.D., Radio-Television-Films
Hanson, G. H., Speech Communication
Martin, F. N., Ph.D., Speech Communication
Mindak, William, A., Ph.D., Advertising
Neal, J. W., Speech
Powers, G. R., Ph.D., Speech Communication
Scott, A., Journalism
Sharpe, E. A., gh.d., Journalism and Advertising
Smith, Alfred G., Ph.D., Speech Communication
Villareal, J. J., Ph.D., Speech
Zacharias, D. W., Ph.D., Speech

College of Education:

Anderson, G. V., Ph.D., Educational Psychology
Barraga, Natalie C., Ed.D., Special Education
Bennie, W. A., Curriculum and Instruction
Bessent, E. W., Educational Administration
Bordie, J. G., Ph.D., Curriculum and Instruction
Bown, O. H., Educational Psychology
Burdeshaw, Dorothy, Ed.D., Physical Instruction
Cleland, C. C., Educational Psychology, Special Education
Davis, O. L., Jr., Curriculum and Instruction
Dunham, J. L., gh.d., Educational Psychology
Embree, R., Jr., Ph.D., Educational Psychology
Flournoy, Mary F., Curriculum and Instruction
Fruchter, B., Ph.D., Educational Psychology
Gibb, E. Glenadine, Curriculum and Instruction
Gill, C. C., Curriculum and Instruction
Guszak, F. J., Ph.D., Curriculum and Instruction
Haag, J. H., Physical Education, Health and Recreation
Hall, S., Physical Education, Health and Recreation
Harris, B. M., Educational Administration
Haskew, L. D., Ph.D., Educational Administration
Hereford, C. F., Educational Psychology
Horn, T. D., Ph.D., Curriculum and Instruction
Jennings, E. E., Ph.D., Educational Psychology
Kelley, H. P., Educational Psychology
Kennamer, L. G., Ph.D., Curriculum and Instruction
King, J. D., Ph.D., Special Education and Educational Administration
Kinneavy, J. L., Ph.D., Curriculum and Instruction
Klein, K. K., Physical Education, Health and Recreation
Koile, E. A., Ed.D., Educational Psychology
Laska, J. A., Ph.D., Curriculum and Instruction
Lee, A. E., Ph.D., Curriculum and Instruction
McCraw, L. W., Ed.D., Physical Education, Recreation and Health
McIntyre, K. E., Ph.D., Educational Administration
Martin, C. I., Ph.D., Curriculum and Instruction
Moehlman, A. H., Ph.D., Cultural Foundations of Education
Montague, E. J., Curriculum and Instruction
Peck, R. F., Ph.D., Educational Psychology
Phillips, B. N., Educational Psychology
Pilgrim, Geneva H., Ph.D., Curriculum and Instruction
Prentice, N., Educational Psychology
Reid, J. B., Ph.D., Educational Psychology
Reynolds, J. W., Ph.D., Curriculum and Instruction
Rich, J. M., Cultural Foundations of Education
Rippey, D. T., Ph.D., Educational Administration
Roueche, J. E., Educational Administration
Royal, D. K., Health, Physical Education and Recreation
Sikes, M. P., Educational Psychology
Spence, Janet T., Educational Psychology and Psychology
Spirduso, W. W., Ph.D., Health, Physical Education and Recreation
Thomas, M. P., Jr., Ph.D., Educational Administration
Thompson, B. A., Physical Instruction
Veldman, D. J., Educational Psychology
Wolfe, W. G., Ph.D., Educational Psychology and Special Education

College of Engineering:

Aggarwal, J. K., Ph.D., Electrical Engineering
Amstead, B. H., Ph.D., Mechanical Engineering
Baker, L. E., Ph.D., Electrical Engineering
Beightler, C. S., Mechanical Engineering
Bostick, F. X., Jr., Ph.D., Electrical Engineering
Breen, J. E., Civil Engineering
Brock, J. R., Chemical Engineering
Brons, F., Petroleum Engineering
Burns, N. H., Ph.D., Civil Engineering
Carter, W. J., Ph.D., Mechanical Engineering
Caudle, B. H., Ph.D., Petroleum Engineering
Clark, L. G., Jr., Ph.D., Aerospace Engineering
Dougal, A. A., Ph.D., Electrical Engineering
Duesterhoeft, W. C., Jr., Ph.D., Electrical Engineering
Fannin, B. H., Ph.D., Electrical Engineering
Ferguson, P. M., M.S. in C.E., Civil Engineering
Flake, R. H., D.Sci., Electrical Engineering
Fowler, David W., Ph.D., Architectural Engineering and Civil Engineering
Furlong, R. W., Ph.D., Civil Engineering
Gloyna, E. F., D.Eng., Civil Engineering
Gray, K. E., Ph.D., Petroleum Engineering
Hartwig, W. H., Ph.D., Electrical Engineering
Healey, A. J., Ph.D., Mechanical Engineering
Himmelblau, D. M., Ph.D., Chemical Engineering
Hixon, E. L., Electrical Engineering
Hougen, J. O., Chemical Engineering
Hudson, W. R., Ph.D., Civil Engineering
Jehn, K. H., M.S., Civil Engineering
Jensen, P. A., Ph.D., Mechanical Engineering
Jirsa, J. O., Ph.D., Civil Engineering
Johnson, F. B., Ph.D., Civil Engineering
Kennedy, T. W., Ph.D., Civil Engineering
Kreisle, L. F., Mechanical Engineering
LaGrone, A. H., Ph.D., Electrical Engineering
Lamb, J. P., Mechanical Engineering
Ledbetter, J. O., Ph.D., Civil Engineering
Lee, C. E., Civil Engineering
Lenhart, J., Mechanical Engineering
Lesso, W. G., Ph.D., Mechanical Engineering
McCullough, B. J., D.Engr., Civil Engineering

McKetta, J. J., Jr., Ph.D., Chemical Engineering
Malina, J. F., Jr., Civil Engineering
Marcus, H. L., Ph.D., Mechanical Engineering
Matlock ,H., Civil Engineering
Moore, W. L., Ph.D., Civil Engineering
Morgan, C. W., P.E., Ph.D., Civil Engineering
Oden, J. T., Ph.D., Aerospace Engineering and Engineering Mechanics
Olson, R. E., Ph.D., Civil Engineering
Panton, R. L., Ph.D., Mechanical Engineering
Paul, D. R., Ph.D., Chemical Engineering
Powers, E. J., Ph.D., Electrical Engineering
Prigogine, I., Chemical Engineering
Ralls, K. W., Ph.D., Mechanical Engineering
Rase, H. F., Ph.D., Chemical Engineering
Reese, L. C., Ph.D. in C.E., Civil Engineering
Richardson, P. C., M.D., Electrical Engineering
Ripperger, E. A., Ph.D., Aerospace Engineering
Rohlich, G., Ph.D., Civil Engineering and LBJ School of Public Affairs
Roth, C. H., Jr., Ph.D., Electrical Engineering
Runge, T. M., M.D., Electrical, Biomedical and Aerospace Engineering
Rylander, H. G., Jr., Mechanical Engineering
Schechter, R. S., Ph.D., Chemical Engineering
Smith, H. W., Ph.D., Electrical Engineering
Stark, J. P., Ph.D., Mechanical Engineering
Stearman, R. O., Ph.D., Aerospace Engineering and Engineering Mechanics
Steinfink, H., Ph.D., Chemical Engineering
Stice, J. R., Ph.D., Engineering Education
Straiton, A. W., Ph.D., Electrical Engineering
Szebehely, V. G., D.Sc., Aerospace Engineering
Tapley, B. D., Ph.D., Aerospace Engineering
Thompson, M. J., Sc.D., Aerospace Engineering
Thurston, G. B., Electrical, Biomedical, Mechanical Engineering
Wagner, T. J., Ph.D., Electrical Engineering
Walls, H. A., Ph.D., Mechanical Engineering
Welch, A. J., Ph.D., Electrical Engineering
Wissler, E. H., Chemical Engineering
Womack, B. F., Ph.D., Electrical Engineering
Woodson, H. H., Electrical Engineering
Yura, J. A., Ph.D., Civil Engineering

College of Fine Arts:

Beachy, M. J., Music
Behague, G. H., Ph.D., Music
Blair, R. D., M.Mus., Music
Davis, M., Ph.D., Art
Dietz, H. B., Ph.D., Music
Dinino, V. R., Music
Ducloux, W., Music
Elsass, J. F., Ph.D., Music
Fearing, K. ,M.F.A., Art
Fiske, K. B., M.A., Art
Francis, B. D., Art
Frary, M. G., Art
Grieder, T., Ph.D., Art
Goodall, D. B., M.A., Art
Greenhill, E. S., Ph.D., Art
Guerin, J. W., Art
Guerin, J. W., Art
Harder, V. M., M.M., Music
Hatgil, P. P., M.A., Art
Hodge, F., Ph.D., Drama
Hunter, F. J., Drama
Jordan, B., Ph.D., System Professor of Music
Kanable, Betty, Ph.D., Music
Kennan, K. W., B.Mus., Music
Korte, K., Music
Mariani, V. A., Art
McGaughey, J., M.Mus., Music
Moll, J., M.A., Drama
Nickel, A. A., M.A.E., Art
Olefsky, Paul, Music
Patrylak, D. J., M.M., Music
Perry, J., M.Mus., Music
Prescott, K. W., Ph.D., Art
Posner, L., Music
Race, W., D.M.A., Music
Sankey, S. M., M.S., Music
Smalley, W. D., Ph.D., Drama
Stewart, W., Music
Umlauf, C., Art
Walters, J., Music
Weismann, D. L., Ph.D., Art, Comparative Studies
White, R. E., Jr., Art
Williams, J. A., Ph.D., Art and Center of Middle Eastern Studies
Youskevitch, I., Drama

College of Pharmacy:

Delgado, J., Ph.D.
Doluisio, J. T., Ph.D.
Fineg, J., D.V.M., Physiology and Pharmacology
Folkers, K., D.Pharm., Pharmacy and Chemistry
Hall, E. W., Ph.D.
Martin, A., Ph.D.
Sheffield, W. J., Pharmacy
Walton, C. A., Ph.D.
Worrell, L. F., Ph.D., Pharmaceutical Chemistry

School of Law:

Anderson, D. A., J.D.
Baade, H. W., Law
Barndt. R. V., Law
Cohen, E. R., LL.B.
Dawson, R. O., S.J.D., Law
Dix, G. E., J.D.
Elliott, F. W., Jr., Law
Epstein, D. G., LL.M.
Fielder, P. C., LL.B., Law
Filvaroff, D. B., LL.B.
Gibson, W. W., Law
Graglia, L. A., Law
Green, L., LL.D.
Hamilton, R. W., Law
Hodges, G. M., LL.B.
Huie, W. O., S.J.D.
Johanson, S. M., Law
Johnson, C. W., J.D.
Jones, A. P., M.A.
Keeton, W. P., S.J.D.
Lebowitz, L., LL.M.
Means, R. C., LL.B.
Mersky, R. M., M.S., Library
Morrison, K. E., M.S., LL.B.
Patterson, W. W., LL.B.
Powe, L. A., J.D.
Rau, A. S., LL.B.
Robertson, D. W., Law
Rosenthal, M. P., Law
Ruud, M. H., LL.B.
Sampson, J. J., LL.B.
Schatzki, G. R., B. Law
Sharlot, M. M., LL.B.
Smith, A. E., Law
Smith, E. E., III, Law
Sutton, J. F., Jr., LL.B.
Treece, J. M., Law
Ward, B. J., Law
Weintraub, R. J., LL.B., Law
Wilkinson, J. H., LL.B.
Williams, J. S., LL.B.
Witherspoon, J. B., LL.B.
Woodward, M. K., M.A.
Wright, C. A., LL.B.
Yudof, M. G., LL.B.

Graduate School of Library Science:

Benson, N. L., Ph.D.
Harmon, E. G., Ph.D.
Jackson, E. B., M.A.
Reagan, A. G., Ph.D.
Sparks, C. G., Ph.D.

School of Architecture:

Alexander, D. B.
Bergquist, C. O., M.S.
Burnett, C. H.
Divino, Jorge L.
Kermacy, M. S., M.Arch.
Mather, R. G.
Roessner, R. G., M.Arch.
Swallow, R. P.

School of Social Work:

Austin, D. M., Ph.D.
Bounous, R. C., Ph.D.
Hess, D., Ph.D.
Hill, W. G., D.S.W.
Lockhart, Josleen, M.S.S.W.
Otis, J., Ph.D.
Williams, M. S., Ph.D.

LBJ School of Public Affairs:

Arnold, R. K., Ph.D.
Blum, A. A., Ph.D.
David, Henry, Ph.D.
Gronouski, J. A., Ph.D.
Hazleton, Jared, Ph.D.
Redford, E., Ph.D.
Rohlich, G., Ph.D.
Schmandt, J., Ph.D.
Schurr, S., Ph.D.
Spurr, S. H., Ph.D.
Weintraub, Sidney, Ph.D.

Division of General and Comparative Studies:

Cantarino, V., Ph.D., Middle Eastern Studies
Dulles, J. W. F., M.B.A., Comparative Studies
English, P., Ph.D. Center for Middle Eastern Studies,
Fernea, R. A., Center for Middle Eastern Studies
Glade, W. P., Jr., Ph.D., Institute of Latin-American Studies
Goetzmann, W. H., Ph.D., American Studies
Jazayery, M. A., Ph.D., Center for Middle Eastern Studies
Kaufmann, R. J., Ph.D., Comparative Studies
Teele, R. E., Ph.D., Asian Studies
Weismann, D. L., Ph.D., Comparative Studies
Williams, J. A., Ph.D., Center for Middle Eastern Studies

School of Nursing:

Brown, Billye J., Ed.D.
Field, W. E., Ph.D.
Rouse, Bruce, Ph.D.
Willman, M. D., Ph.D.

Attached Research Organizations:

Studies in Biochemical Genetics: Dir. Robert P. Wagner.

Biomedical Research Institute: Dir. Karl Folkers.

Business Research Bureau: Dir. L. M. Monti (acting).

Cell Research Institute: Dir. W. G. Whaley.
Clayton Foundation Biochemical Institute: Dir. L. J. Reed.
Communication Research Center: Dir. Alfred G. Smith.
Council for Advanced Transportation Studies: Dir. Thomas W. Kennedy.
Drug Dynamics Institute: Dir. Alfred Martin.
Economic Geology Bureau: Dir. Charles G. Groat (acting).
Energy Studies Center: Dir. H. H. Woodson.
Center for Fast Kenetics Research: Dir. E. L. Powers.
Fusion Research Center: Dir. W. E. Drummond.
Herbarium (Research in Botany): Dir. B. L. Turner.
Highway Research Center: Dir. C. E. Lee.
Hogg Foundation for Mental Health: Pres. Wayne H. Holtzman.
Center for the Study of Human Resources: Dir. F. Ray Marshall.
Marine Science Institute: Dir. Creighton A. Burk.
McDonald Observatory: Dir. H. J. Smith.
Numerical Analysis Center: Dir. David M. Young.
Particle Theory Center: Co-Dirs. Yuval Ne'eman, E. C. G. Sudarshan.
Plasma Dynamics and Quantum Electronics Research: Dir. A. A. Dougal.
Population Research Center: Dir. Harley L. Browning.
Reproductive Biology Institute: Dir. F. H. Bronson.

University of Texas at Arlington

Arlington, Texas 76019
Telephone: (817) 273-2011.

Founded 1895 as Arlington College, reorganized as a campus of the University of Texas 1967.

President: Dr. W. H. Nedderman.
Vice-President for Business Affairs: J. D. Wetsel.
Vice-President for Academic Affairs: Dr. W. A. Baker.
Vice-President for Student Affairs: Dr. B. Wayne Duke.
Librarian: J. Hudson.

The library contains 635,000 vols.

Number of teachers: 742.
Number of students: 17,201.

Deans:

Liberal Arts: Thomas E. Porter.
Science: H. Arnott.
Business: Roger A. Dickinson.
Engineering: A. E. Salis.
Graduate School: Bob F. Perkins.
Graduate School of Social Work: Paul H. Glasser.
Architecture and Environmental Design: George Wright.
Nursing: Myrna Pickard.
Institute of Urban Studies: Dir. Sherman Wyman.

University of Texas at El Paso

El Paso, Texas 79968
Telephone: (915) 747-5000.

Founded 1913 as Texas School of Mines and Metallurgy; name changed to Texas Western College 1949; current name adopted 1967.

President: A. B. Templeton.
Vice-President for Academic Affairs: Kenneth E. Beasley.
Vice-President for Business Affairs: Halbert G. St. Clair.
Director of Admissions: Robert L. Schumaker.
Librarian: Fred W. Hanes.

Library: *see* Libraries.

Number of teachers: 465.
Number of students: 15,836.

Publications: *El Paso Economic Review* (monthly), *Nova* (quarterly), *Southwestern Studies* (quarterly), *El Burro* (twice a year), *The Flowsheet* (annual), *Accounting Trends* (quarterly).

Deans:

Students: Jose F. Avila.
Education: Norma G. Fernandez.
Engineering: Jack Smith.
Liberal Arts: R. Small.
Sciences: Juan O. Lawson.
Business Administration: Weldon C. Neill.
Graduate School: Rudolph Gomez.
Nursing: Eileen M. Jacobi.

University of Texas Medical Branch at Galveston

Galveston, Texas 77550
Telephone: (713) 765-1011.

Founded 1891; Formerly Medical Branch, Galveston.

President: William C. Levin, m.d.
Vice-President for Business and Hospital Affairs: Vernon E. Thompson.
Director of Library: Emil Frey.

Number of teachers: 1,069.
Number of students: 1,892.

Publications: *Texas Reports on Biology and Medicine*†.

Deans:

Medicine: George T. Bryan, m.d.
Graduate School of Biomedical Sciences: J. Palmer Saunders, ph.d.
School of Allied Health Sciences: Robert K. Bing, ed.d.
Marine Biomedical Institute: William D. Willis, Jr., m.d., ph.d.
School of Nursing: Dorothy Damewood, ed.d.

University of Texas Health Science Center at Dallas

5323 Harry Hines Blvd.,
Dallas, Texas 75235
Telephone: (214) 688-3111.

Founded 1949; formerly Southwestern Medical School founded 1943.

President: Charles C. Sprague, m.d.
Vice-President for Business Affairs: J. E. Weeks, ll.b.
Dean, Southwestern Medical School: Frederick J. Bonte, m.d.
Dean, Graduate School of Biomedical Sciences: Ronald Estabrook, ph.d.
Dean, School of Allied Health Sciences: John W. Schermerhorn, ph.d.
Associate Dean for Clinical Programs: Albert D. Roberts, m.d.
Associate Dean for Student Affairs: Bryan Williams, m.d.
Associate Dean for Continuing Education: George G. Race, m.d., ph.d.
Registrar and Director of Student Services: J. Wesley Norred, b.a.
Librarian: Donald D. Hendricks, ph.d.

Number of teachers: 512.
Number of students: 760 medical, 190 graduate, 200 Allied Health.

Publications: *Spectrum* (bi-annually), *Newsletter* (monthly).

University of Texas Health Science Center at San Antonio

7703 Floyd Curl Drive,
San Antonio, Texas 78284

Founded 1959 as South Texas Medical School, a part of The University of Texas System, name changed to University of Texas Medical School at San Antonio 1967, present name 1972.

President: Frank Harrison, m.d., ph.d.
Vice-President for Business Affairs: Robert B. Price.
Co-ordinator for Continuing Education: George B. Vaughan, ph.d.
Executive Director, Bexar County Hospital: Warren G. Harding.
Director of Student Services: David M. Shapiro, ph.d.

The library contains 100,000 vols.

Deans:

Medical School: Stanley E. Crawford, m.d.
Dental School: John J. Sharry, d.m.d.
Graduate School of Biomedical Sciences: Armand J. Guarino, ph.d.
School of Allied Health Sciences: Armand J. Guarino, ph.d. (acting).
School of Nursing: Patty L. Hawken, ph.d.

University of Texas Health Science Center at Houston School of Public Health

P.O.B. 20186, Houston, Texas 77025
Founded 1967.

Dean: R. A. Stallones, m.d., m.p.h.

Number of teachers: 63.
Number of students: 414.

University of Texas of the Permian Basin

Odessa, Texas 79762

President: V. R. Cardozier.

Number of students: 1,471.

WAYLAND BAPTIST COLLEGE

PLAINVIEW, TEXAS 79072
Telephone: (806) 296-5521.
Founded 1908.

President: Dr. Roy C. McClung.
Vice-President for Academic Affairs: Dr. Paul Butler (acting).
Registrar: Mrs. Audrey H. Boles.
Librarian: Miss Florrie Conway.

The library contains 78,000 vols.
Number of teachers: 62.
Number of students: 1,126.

Publications: *The Trail Blazer*† (newspaper, weekly), *The Traveler*† (yearbook, annual), *Footprints* (2 a month).

WEST TEXAS STATE UNIVERSITY

WEST TEXAS STATION,
CANYON, TEXAS 79016
Founded 1909.

President: (vacant).
Academic Vice-President: Dr. Ray A. Malzahn.
Financial Vice-President: H. L. Miller.
Vice-President for Student Affairs: Dr. T. Paige Carruth.

The library contains 686,597 vols.
Number of teachers: 277.
Number of students: 6,701.

Publications: *The Prairie* (newspaper), *Le Mirage* (annual).

WILEY COLLEGE

MARSHALL, TEXAS 75670
Telephone: (214) 938-8341.
Founded 1873.

President: Rev. Robert E. Hayes.
Dean of Faculty: Dr. David R. Houston.
Vice-President for Student Affairs: Dr. Raymond Hicks.
Vice-President of Academic Affairs: Dr. David R. Houston.
Librarian: Mrs. Mary Louise Cleveland.

The library contains 84,434 vols.
Number of teachers: 35.
Number of students: 612.

UTAH

BRIGHAM YOUNG UNIVERSITY

PROVO, UTAH 84602
Telephone: (801) 374-1211.

Founded 1875 by President Brigham Young of the Church of Jesus Christ of Latter-Day Saints.

President: D. H. Oaks, B.A., J.D.
Executive Vice-President: B. E. Lewis, M.S.
Academic Vice-President: R. K. Thomas, M.A., PH.D.
General Counsel: H. Hal Visick, B.A., J.D.
Dean of Admissions and Records: R. W. Spencer, M.S., ED.D.
Director of Libraries: D. K. Nelson, B.L.S., M.B.A.

The library contains over 1,400,000 volumes, pamphlets and bulletins.

Number of teachers: 1,235 full-time, 246 part-time; does not include graduate assistants.

Number of students: 25,000.

DEANS:

School of Law: Rex E. Lee, B.A., J.D.
College of Biological and Agricultural Sciences: A. Lester Allen, PH.D.
College of Business and Graduate School of Management: M. J. Bateman, PH.D.
College of Education: Curtis van Alfen, M.S., ED.D.
College of Family Living: B. R. Porter, M.A., PH.D.
College of Fine Arts and Communications: L. J. Woodbury, M.A., PH.D.
College of Humanities: B. B. Clark, M.A., PH.D.
College of General Studies: David M. Sorenson, ED.D.
College of Engineering Sciences and Technology: L. Douglas Smoot, M.S., PH.D.
College of Nursing: Maxine J. Cope, M.S., ED.D.
College of Physical and Mathematical Sciences: Eliot A. Butler, PH.D. (acting).
College of Physical Education: C. R. Jensen, M.S., P.E.D.
Department of Religious Instruction: Ellis T. Rasmussen, M.A., PH.D.
College of Social Sciences: M. B. Hickman, PH.D.
Students: J. E. Cameron, M.S., ED.D.
Continuing Education: William R. Siddoway, M.B.A.

UNIVERSITY OF UTAH

SALT LAKE CITY, UTAH 84112
Telephone: (801) 322-7211.

Incorporated 1850 as University of Deseret; Chartered 1892 as University of Utah.

President: David P. Gardner, PH.D.
Vice-Presidents: R. J. Snow, PH.D. (University Relations), Cedric I. Davern, PH.D. (Academic Affairs), Chase Peterson, M.D. (Health Sciences), Walt Gnemi, M.A. (Administrative Services), W. S. Partridge, PH.D. (Research).
Registrar: M. B. Welcker, M.A.
Librarian: Roger K. Hanson, M.A.L.S.

Number of teachers: 1,350.
Number of students: 21,880.

DEANS:

Dean for Student Affairs: L. Jackson Newell, PH.D.
Dean, Admissions and Registration: F. L. McKean, M.A.
Dean of Liberal Education: L. Jackson Newell, PH.D.
Dean of Humanities: Malcolm O. Sillars, PH.D.
Dean for Science: David M. Grant, M.S., PH.D.
Dean for Social and Behavioural Sciences: W. F. Prokasy, M.A., PH.D.
Graduate School of Social Work: Edwin G. Brown, PH.D.
College of Engineering: Wayne S. Brown, PH.D.
College of Business: A. Blaine Huntsman, PH.D.
Graduate School: James L. Clayton, PH.D.
College of Mines and Mineral Industries: Laurence H. Lattmann, PH.D.
College of Health: O. N. Hunter, PH.D.
College of Law: Walter E. Oberer, J.D.
College of Medicine: Glenn R. Lee, M.D.
College of Pharmacy: Harold H. Wolf, PH.D.
College of Nursing: Madeleine Leininger, PH.D.
College of Fine Arts: E. D. Maryon, PH.D.
Graduate School of Architecture: Robert L. Bliss, B.ARCH.
Graduate School of Education: Robert L. Erdman, PH.D.
Division of Continuing Education: Oakley J. Gordon, PH.D.

PROFESSORS:

Aaron, I. R., LL.D., Law
Abbey, J. C., PH.D., Nursing
Abildskov, J. A., M.D., Internal Medicine
Adix, V., M.A., Theatre
Aggeler, G. N., PH.D., English
Ajax, E. T., M.D., Neurology
Alley, C. L., M.S., Electrical Engineering
Allred, E. L., PH.D., Chemistry
Altman, I., PH.D., Psychology
Anderson, J. A., PH.D., Communication
Andersen, J. R., J.D., Law
Anderson, R., PH.D., Anthropology
Andrade, J. D., PH.D., Materials Science and Engineering
Anstall, H. B., M.D., Pathology and Medical Technology
Athens, J. W., M.D., Internal Medicine
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Atwood, K. W., PH.D., Electrical Engineering
Baer, A. D., PH.D., Chemical Engineering
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Baker, W. R., PH.D., Biology
Ball, J. S., PH.D., Physics
Banham, P. B., D.PHIL., Music
Barnett, A. M. L., PH.D., Languages
Barnhill, R. E., PH.D., Mathematics
Barton, D. K., PH.D. ,Languages
Bayles, J. W., LL.M., Law
Bean, L., PH.D., Sociology
Beck, E. C., PH.D., Neurology
Behle, W. H., PH.D., Biology
Beier E. G., PH.D., Psychology,
Bell, T. H., ED.D., Educational Administration
Bennett, D. W., PH.D., Philosophy
Bennett, W. R., LL.M., J.D., Law
Bentley, J. C., PH.D., Educational Psychology
Bentrude, W. G., PH.D., Chemistry
Berchan, R., PH.D., Languages
Bergeson, H. E., PH.D., Physics
Bitton, D., PH.D., History

Blatz, P. J., ph.d., Civil Engineering
Bliss, E. L., m.d., Psychiatry
Bliss, R. L., b.arch., Architecture
Bodily, D. M., ph.d., Fuels Engineering
Boehm, R. F., ph.d., Mechanical and Industrial Engineering
Boyce, R. N., j.d., Law
Boyd, R. H., ph.d., Chemical Engineering
Bragg, D. S., m.d., Radiology
Brandle, K., dr.ing., Architecture
Bray, P. K., m.d., Paediatrics and Neurology
Brooks, R. M., ph.d., Mathematics
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Brown, E. G., ph.d., Social Work
Brown, H. M., Jr., ph.d., Physiology
Brown, W. S., ph.d., Mechanical Engineering
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Brunvand, J. H., ph.d., English
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Castle, C. H., m.d., Community and Family Medicine
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Chamberlin, R. E., ph.d., Mathematics
Christiansen, E. B., ph.d., Chemical Engineering
Christiansen, F. W., ph.d., Geology
Clark, A. O., d.b.a., Management
Clark, L. D., m.d., Psychiatry
Clayton, J. L., ph.d., History
Clifford, J. A., m.s., Modern Dance
Clemens, H. C., ph.d., Mathematics
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Cook, K. L., ph.d., Geophysics
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Crampton, C. G., ph.d., History
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Davies, T. H., Jr., m.s., Aerospace Studies
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Davison, N. J., ph.d., Languages
Dea, Kay L., d.s.w., Social Work
Della-Piana, G. M., ph.d., Educational Psychology
DeNevers, N. H., ph.d., Chemical Engineering
Des Rosiers, R. I., m.a., Art
Dethlefsen, L. A., ph.d., Radiology
Devries, K. L., ph.d., Mechanical Engineering
Dewitt, C., ph.d., Pathology, Surgery and Medical Technology
Dibble .C., ph.d., Anthropology
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Dixon, J. A., m.d., Surgery
Donner.M., ph.d., English
Drew, C. J., ph.d., Special Education
Durney, C. H., ph.d., Electrical Engineering
Durham, L. M., ph.d., Music
Dyer, B. K., j.d., Law
Eble, Kenneth E., ph.d., English
Edminster, R. R., ph.d., Economics
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Edmundson, A. B., ph.d., Microbiology and Biology
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Erdman, R. L., ed.d., Special Education
Evans, D. C., ph.d., Computer Science
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Eyring, E. M., ph.d. ,Chemistry
Eyring, H., ph.d., Chemistry and Metallurgical Engineering
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Gardner, J., m.s., Health, Physical Education and Recreation
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Jee, W. S. S., ph.d., Anatomy
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Jensen. M. L., ph.d., Geology
Jex, F. B., ph.d., Educational Psychology
Johnson, A. F., ph.d., Mechanical Engineering
Johnson, A. H., ph.d., Accounting
Johnson, C. C., ch.d., Biophysics and Bioengineering
Johnson, D. G., m.d., Surgery
Johnson, F., ph.d., Marketing
Johnson, O., ph.d., Physics
Johnson, R. E., ph.d., Finance
Johnston, W. A., ph.d., Psychology
Jones, C. E., ph.d., Languages
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Jorgensen, J. L., ph.d., Finance
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Kesner, R. P., ph.d., Psychology
Kessball, L. K., ph.d., Political Science
Knowlton, C. S., ph.d., Sociology
Koehler, P. R., m.d., Radiology
Kolff, W. J., ph.d.. Surgery
Kranes, D. A., d.f.a., English
Kuby, S. A., ph.d., Biochemistry
Kuchar, K. V., Physics
Kuida, H., m.d., Internal Medicine and Physiology
Lahey, M. E., m.d., Paediatrics

Landau, E. D., ph.d., Education
Lark, K. G., ph.d., Biology
Lattman, L. H., ph.d., Geology and Geophysics
Lee, Chung-Myun, ph.d., Geography
Lee, G. R., m.d., Internal Medicine
Legler, J. M., ph.d , Biology
Lehrer, G., m.s., Military Science
Leininger, M. M., ph.d., Nursing
Lieberman, S., ph.d., Economics
Linton, M., ph.d., Psychology
Lockhart, W. J., ll.b., Law
Logan, D. R., ed.d., Special Education
Loh, E. C., ph.d., Physics
Lords, J. L., ph.d., Biology
Lorenzo-Rivera, L., ph.d., Languages
Luckey, E. B., ph.d., Family and Consumer Studies
Lueders, E. G., ph.d., English
Lüty, F., dozent, Physics
Lyman, D. J., ph.d., Materials Science and Engineering
McCandless, G. A., ph.d., Communication
McCarter, M. K., ph.d., Mining and Fuels Engineering
McCleary, L. E., ed.d., Educational Administration
McCloskey, J. A., ph.d., Biomedical Chemistry
McDivett, R. W., m.d., Pathology
McGrath, B., Theatre
McIvor, I. R., ph.d., Civil Engineering
McMahon, J., ph.d., Pharmacy
McMurrin, S. M., ph.d., History and Philosophy of Education
McNulty, I. B., ph.d., Biology
McPhie, W. E., ed.d., Education
Madsen, B. D. ,ph.d., History
Magleby, F. L., ph.d., Social Work
Malouf, P. J., ph.d., Educational Psychology
Mangum, G. L., ph.d., Economics and Management
Marcus, S., ph.d., Microbiology and Medical Technology
Maryon, E. D., m.f.a., Art
Mason. R. C., ph.d., Medicinal Chemistry
Massoth, F. E., ph.d., Mining, Metallurgy and Fuels Engineering
Matsen, J. M., m.d., Pathology and Paediatrics
Matthews, M. P., ph.d., Marketing
Mecham, G. D., j.d., m.s.w., Social Work
Mecham, M. J., ph.d., Communication
Merrill, R.M., ph.d., Educational Psychology
Mich, J., ph.d., Chemistry
Miles, C. B., m.d., Pathology
Miller, G. R., ph.d., Materials Science
Miller, W. R., ph.d., Anthropology
Millikan, C. N., m.d., Neurology
Moody, F. G., m.d., Surgery
Moore, H. E. , ph.d., English
Morrill, W. K., ph.d., Educational Psychology
Mostofi, K., ph.d., Political Science
Mulder, W., ph.d., English
Nabers, L., ph.d., Economics
Nackowski, M. P., ph.d., Geology and Geophysics
Negus, N. C., ph.d., Biology
Nelson, A. T., ph.d., Accounting
Nelson, C. E., ph.d., Economics
Nelson, D. H., m.d., Internal Medicine
Nelson, D. H., ph.d., Political Science
Nelson, R. H., ed.d., Management
Nicholes, P. S., ph.d., Microbiology
Nielson, H. C., ph.d., Psychology
Nielsen, L. T., ph.d., Biology
Nutting, W. C., ed.d., Education
Oberer, W. E., j.d., Law
Oblad, A. S., ph.d., Metallurgy and Fuels Engineering
Ohlsen, W., ph.d., Physics
Olivera, B. M., ph.d., Biology
Olpen, R. S., ph.d., Art
Olson, F. A., ph.d., Metallurgical Engineering
Organick, E. J., ph.d., Computer Science
Oviatt, B. E., d.s.w., Social Work
Painter, J. J., ph.d., Marketing
Pariseau, W. G., ph.d., Mining Engineering
Parker, S., ph.d., Anthropology
Parry, R. W., ph.d., Chemistry
Parry, W. T., ph.d., Geology and Geophysics
Patton, M. J., ph.d., Educational Psychology
Paxman, D. G., Ballet
Peery, J. S., ph.d., Economics and Finance
Pendleton, R. C., ph.d., Biology
Petajan, J. H., ph.d., Neurology
Petersen, R. V., ph.d., Pharmacy
Pettit, Lynne A., ph.d., Foods and Nutrition
Picard, M. D., ph.d., Geology and Geophysics
Pitt, C. A., ph.d., Metallurgy and Metallurgical Engineering
Porter, P. B., ph.d., Psychology
Pratt, D. T., ph.d., Mechanical and Industrial Engineering
Pratt, R. T., ph.d., Finance
Prokasy, W. F., ph.d., Psychology
Ragsdale, R. O., m.s., Chemistry
Rahde, F. H., ph.d., Languages
Randa, E. W., ph.d., Economics
Raskin, D. C., ph.d., Psychology
Read, E. A., ed.d., Educational Administration
Reed, D. J., ph.d., Pharmacology
Redford, H. E. D., ph.d., Theatre
Renzetti, A. D., m.d., Internal Medicine
Rich, S. G., Jr., ph.d., Political Science
Richards, R. C., m.d., Surgery
Richardson, R. C., ph.d., Economics and Management
Ridd, M. K., ph.d., Geography
Rieke, R. N., ph.d., Communication
Rilling, H. C., ph.d., Biochemistry
Ririe, S. R., m.a., Modern Dance
Roberts, T., m.d., Surgery
Robson, R. T., ph.d., Management
Rockwood, L. R., ed.d., Leisure Studies
Rogers, L. M., ph.d., Philosophy
Roll, D. B., ph.d., Medicinal Chemistry
Rosenberg, G., Music
Rossi, H., ph.d., Mathematics
Roth, J. R., ph.d., Biology
Rushery, B., ph.d., Mathematics
Rushford, C. R., ph.d., Electrical Engineering
Rushforth, C. K., ph.d., Electrical Engineering
Ryan, N. W., sc.d., Chemical Engineering
Salt, D. L., ph.d., Chemical Engineering
Sandquist, G. M., ph.d., Mechanical and Industrial Engineering
Schmid, R. L., j.d., Law
Schmitt, K., ph.d., Mathematics
Schramm, R., ph.d., English
Scott, W. R., ph.d., Mathematics
Seader, J. D., ph.d., Chemical Engineering
Shabtai, J., ph.d., Mining and Fuels Engineering
Shand, D. A., ph.d., Music
Shaw, R. T., ph.d., Marketing
Shimp, C. P., ph.d., Psychology
Sievers, A., ph.d., Economics
Sill, W. R., ph.d., Geology and Geophysics
Sillars, M. O., ph.d., Communication
Skidmore, R. A., ph.d., Social Work
Slager, W. R., ph.d., English
Sloane, H. N., ph.d., Educational Psychology
Smart, M. N., ph.d., Communications
Smith, R. B., ph.d., Geology
Smith, T. C., ph.d., Sociology
Smith, V. G., m.s.w., Social Work
Snow, V. D., m.f.a., Art
Snyder, C. C., m.d., Surgery
Snyder, G., m.s.w., Social Work
Sorensen, P. D., m.s., Communication
Sosin, A., ph.d., Materials Science and Engineering
Spikes, J. D., ph.d., Biology
Steensma, R. C., ph.d., English
Stenger, F., ph.d., Mathematics
Stephenson, R. E., ph.d., Electrical Engineering
Stevens, W., Jr., ph.d., Anatomy
Stewart, J. R., m.d., Radiology
Stockham, T. S., Jr., sc.d., Electrical Engineering and Computer Science
Stokes, W. L., ph.d., Geology and Geophysics
Stoll, F. D., ph.d., Music
Stone, J. B., ph.d., Educational Psychology
Streadbeck, A. L., ph.d., Languages
Stuart, R. B., Social Work
Sturges, P. C., ph.d., History
Sugden, J., ph.d., Archaeology
Sullivan, P. E., ph.d., English
Summers, D. F., m.d., Microbiology
Swanson, J. L., m.d., Pathology and Microbiology
Swenson, R. W., ll.d., Law
Tapscott, B. L., ph.d., Philosophy
Taylor, C. W., ph.d., Psychology
Taylor, J. L., ph.d., Mathematics
Thackeray, M. G., m.s.w., Social Work
Thode, W. E., s.j.d., Law
Thomas, W. C., ph.d., Communication
Thurman, S. D., l.l.b., Law
Tiemens, R. K., ph.d., Communication
Tierney, P. L., m.a., Art
Tikoff, G., m.d., Internal Medicine
Tompson, R. S., ph.d., History
Townsend, T. B., ph.d., Medicinal Chemistry
Treshow, M., ph.d., Biology
Tsagaris, T. J., m.d., Internal Medicine
Tucker, D. H. .ph.d., Mathematics
Tyler, F. H., m.d., Medicine
Tyler, S. L., ph.d., History
Uhl, C. R., ph.d., Psychology
Ussachevsky, V., ph.d., Music
Ure, R. W., Jr., ph.d., Materials Science and Engineering and Electrical Engineering
Van Alstyne, A., ll.b., Law
Van Norman, R. W., ph.d., Biology
Van Strien, D. O., m.s., Civil Engineering
Veasy, L. G., m.d., Paediatrics
Velick, S. F., ph.d., Biochemistry
Vernon, G. M., ph.d. ,Sociology
Viavant, W., ph.d., Computer Science
Vickery, R. K., ph.d., Biology
Voigt, M., ph.d., English
Wadsworth, M. E., ph.d., Metallurgical Engineering
Wahrhaftig, A. L., ph.d., Chemistry
Walker, D. D., ph.d., English
Walker, J. L., Jr., Physiology
Walling, C., ph.d., Chemistry
Wang, Chen-hsien, ph.d., Chemistry
Wann, A. J., ph.d., Political Science
Ward, J. R., m.d., Internal Medicine
Ward, S. H., ph.d., Geological and Geographical Sciences
Warner, H. R., m.d., ph.d., Biophysics and Bioengineering
Watts, A. W., m.m., Music
Webb, H. J., ph.d., English
Wright, N. B., d.m.a., Music
Welch, J. E., ph.d., Music
Well, H., ph.d., Mining and Fuels Engineering
Wender, P. H., m.d., Psychiatry
West, Barbara H., ed.d., Physical Education

West, C. D., M.D., PH.D., Internal Medicine
Westlund, C. N., PH.D., Electrical Engineering
Whelan, J. A., PH.D., Geology and Geophysics
White, B. J., PH.D., Psychology
Wiens, D., PH.D., Biology
Wiest, J. D., PH.D., Management
Wilcox, C. H., PH.D., Mathematics
Wilkins, Ruth W., LL.B., Law
Willett, D. W., PH.D., Mathematics
Williams, G. A., PH.D., Physics
Williams, J. D., PH.D., Political Science
Willson, J. E., E.M., Mining Engineering
Wilson, J. M., M.S., Modern Dance
Wilson, R. H., M.A., Theatre
Wintrobe, M. M., M.D., Internal Medicine
Wiser, W. H. ,PH.D., Fuels Engineering
Wolcott, M., M.D., Surgery
Wolf, H. H., PH.D., Pharmacology
Wolfe, J. H., PH.D., Mathematics
Wolfer, J., Nursing
Wolstenholme, D. R., PH.D., Biology
Wong, K. C., PH.D., Anæsthesiology
Woodbury, D. M., PH.D., Pharmacology
Woodbury, Joan, M.S., Modern Dance
Woodbury, J. W., PH.D., Physiology
Wormuth, F. D., PH.D., Political Science
Yu, J. C., PH.D., Civil Engineering
Young, E. R., PH.D., Accounting

UTAH STATE UNIVERSITY
of Agriculture and Applied Science

LOGAN, UTAH 84321
Telephone: (801) 752-4100.
Chartered 1888.

Academic year: September to June (and Summer Session).

resident: Glen L. Taggart.
Provost: R. Gaurth Hansen.
Vice-President, Research: Bartell C. Jensen (acting).
Vice-President, Business: W. B. Christensen.
Vice-President, Extension and Continuing Education: J. C. Ballard.
Dean of Admissions and Records: Bill Sampson.
Librarian and Director of Learning Resources Program: M. C. Abrams.

Number of teachers: 487.
Number of students: 9,436.

Publications: *Outlook* (monthly), *Outreach* (monthly), *Utah Science* (quarterly), *Western Historical Quarterly Journal*.

Deans:

School of Graduate Studies: Eastman Hatch.
College of Agriculture: D. Mathews.
College of Business: Richard L. Smith.
College of Education: O. L. Ballam.
College of Engineering: Eddie Joe Middlebrooks.
College of Family Life: Joan R. McFadden.
College of Humanities, Arts and Social Sciences: William F. Lye.
College of Natural Resources: T. W. Box.
College of Science: R. M. Johnson.

WEBER STATE COLLEGE

OGDEN, UTAH 84408
Telephone: (801) 399-5941.
Founded 1889.

Liberal Arts, Vocational, Technical 4-year college.

President: Dr. Rodney H. Brady.
Registrar: M. C. Mecham.
Director of Library: Craig Hall.

The library contains 250,000 vols.
Number of teachers: 425.
Number of students: 10,000.

Publications: *Annual Catalog*†, *Comment*†, *Viewbook*†.

WESTMINSTER COLLEGE

1840 SOUTH 13 EAST STREET,
SALT LAKE CITY,
UTAH 84105
Telephone: (801) 484-7651.
Founded 1875.

President: Dr. Helmut Hofmann.
Academic Vice-President and Dean: Dr. Jonathan Yoder.
Vice-President for Student Affairs: Stuart Good.
Vice-President of Administrative Affairs: G. Mukai.
Librarian: R. Wunder.

The library contains 56,000 vols.
Number of teachers: 65.
Number of students: 1,250.

VERMONT

BENNINGTON COLLEGE

BENNINGTON, VERMONT 05201
Chartered 1925.

President: Joseph S. Murphy.
Director of Admissions and Financial Aid: John Nissen.
Dean of Faculty: Donald R. Brown.
Dean of Studies: Richard C. Blake.
Director of Business and Finance: Bernard Iser.
Director of Student Services: Jean S. Aldrich.
Librarian: R. Agard.

The library contains *c.* 76,000 vols.

Number of teachers: 75.

Number of students: 600.

Publications: *Quadrille*†, *Bennington Review* (3 a year).

CASTLETON STATE COLLEGE

CASTLETON, VERMONT 05735
Telephone: (802) 468-5611.
Founded 1787.

Liberal Arts, Career Education.

President: D. Wilson.
Dean for Academic Affairs: W. Feaster.
Director of Admissions: K. Coveney.
Registrar: J. Gilbert.
Librarian: E. Scott.

The library contains 60,000 vols.

Number of teachers: 80.

Number of students: 1,500.

GODDARD COLLEGE

PLAINFIELD, VERMONT 05667
Telephone: (802) 454-8311.
Founded 1938.

President: John Hall.
Registrar: Corinne Elliott.
Dean of Administration: Ronald Pitkin.
Librarian: Dick Walton.

The library contains 66,800 vols.

Number of teachers: 50 full-time, 28 part-time.

Number of students: 525 resident, 1,290 external.

JOHNSON STATE COLLEGE

JOHNSON, VERMONT 05656
Telephone: (802) 635-2356.
Founded 1828, re-founded 1867.

President: Edward M. Elmendorf.
Registrar: Will Eick.
Librarian: K. L. Raymond.

The library contains 60,800 vols.

Number of teachers: 80.

Number of students: 1,100.

Division Chairmen:

Humanities: Dr. J. Duffy.
Social Sciences: Dr. Susan Smith.
Professional Studies: Dr. Fred Stahuber.
Natural Sciences: Dr. Jean Hitzeman.

LYNDON STATE COLLEGE

LYNDONVILLE, VERMONT 05851
Telephone: (802) 626-3335.
Founded 1911.

President: Dr. Janet Gorman Murphy.
Registrar: Ronald J. Addison.
Comptroller: A. R. Boera.
Academic Dean: Ronald J. Addison.
Dean of Students: James McCarthy (acting).
Dean of Admissions: Richard W. Wagner.
Librarian: Suzanne Gallagher.

The library contains 63,000 vols.

Number of teachers: 62.

Number of students: 1,020.

MARLBORO COLLEGE

MARLBORO, VERMONT 05344
Telephone: (802) 254-2393.
Founded 1946.

President: Thomas B. Ragle.
Dean of Faculty: James E. Thomas.
Dean of the College: R. E. Skeele.
Librarian: J. P. Nevins.

The library contains 39,000 vols.

Number of teachers: 35.

Number of students: 200.

MIDDLEBURY COLLEGE

MIDDLEBURY, VERMONT 05753
Founded 1800.

President: OLIN C. ROBINSON.
Vice-President for Academic Affairs: G. M. SAUL.
Vice-President for Development: W. E. BROOKER.
Dean of Students: E. WONNACOTT.
Dean of College: J. SPENCER.
Director of Language Schools: ROGER M. PEEL.

The library contains 325,000 vols.

Number of teachers: 154.
Number of students: 1,832.

NORWICH UNIVERSITY

NORTHFIELD, VERMONT 05663
Telephone: 485-5011.
Founded 1819.

President: Dr. L. E. HART.
Dean of Admissions: MELVIN C. SOMERS.
Librarian: A. B. TURNER.

The library contains 135,000 vols.

Number of teachers: 143.
Number of students: 1,500.

ST. MICHAEL'S COLLEGE

WINOOSKI, VERMONT 05404
Telephone: (802) 655-2000.
Founded 1903.

President: EDWARD L. HENRY, PH.D.
Registrar: M. MCNAMARA.
Dean: VERNON F. GALLAGHER, PH.D.
Director of Admissions: JERRY E. FLANAGAN.
Librarian: J. POPECKI.

The library contains 95,266 vols., 1,406 microfilm and 23,726 microfiche.

Number of teachers: 90.
Number of students: 1,548.

TRINITY COLLEGE

COLCHESTER AVENUE,
BURLINGTON, VERMONT 05401
Telephone: (802) 658-0337.
Founded 1925.

President: CATHERINE MCNAMEE, C.S.J.
Registrar: Dr. JOSEPH GUSMANO.
Academic Dean: NANCY AUDETTE, R.S.M.
Director of Admissions: MARY STEWART, R.S.M.
Dean of Students: PATRICIA CONNELLY.
Treasurer and Business Manager: JULIANA MARCHESSAULT, R.S.M.
Director of Annual Fund: SUZANNE J. VILLANTI.
Director of Development and Alumnae Affairs: INGE SCHAEFER.
Library Director: PATRICIA HODGE, R.S.M.

The library contains 89,546 vols.

Number of teachers: 51.
Number of students: 450.

UNIVERSITY OF VERMONT

BURLINGTON, VERMONT 05401
Telephone: (802) 656-3480.
Founded 1791.

President: L. F. COOR, PH.D.
Vice-President for Academic Affairs: R. G. ARNS, PH.D.
Vice-President for Development and External Affairs: B. W. SNELLING.
Executive Vice-President: B. R. FORSYTH.
Registrar: C. C. HOWE.
Librarian: P. B. KEBABIAN, B.A., B.S.L.S.
Curator: W. C. LIPKE, PH.D.

The library contains 834,000 vols.

Number of teachers: 1,093.
Number of students: 8,944.

Publication: *Annual Bulletin.*

DEANS:

Graduate College: D. B. JOHNSTONE, PH.D. (acting).
College of Arts and Sciences: J. G. JEWETT, PH.D.
College of Agriculture: T. W. DOWE, PH.D.
College of Engineering, Mathematics and Business Administration: E. L. GADEN, PH.D.
College of Medicine: W. H. LUGINBUHL, M.D.
School of Nursing: JEAN B. MILLIGAN.
School of Allied Health Sciences: S. B. FEITELBERG.
College of Education and Social Services: C. A. TESCONI, Jr.
School of Natural Resources: H. H. JOHN.
School of Home Economics: A. E. GRAMS, PH.D. (acting).

WINDHAM COLLEGE

PUTNEY, VERMONT 05346
Telephone: (802) 387-5514.
Founded 1951.

President: JOHNNIE L. STONES.
Academic Dean: REMINGTON ROSE-CROSSLEY.
Director of Admissions: ALLAN RIGA.
Director of Financial Aids: GARLAND MARTIN.
Librarian: R. H. RHODES.

The library contains 85,000 vols.

Number of teachers: 25.
Number of students: 300.

VIRGINIA

BRIDGEWATER COLLEGE

BRIDGEWATER, VIRGINIA 22812
Telephone: 828-2501.
Founded 1880.

President: Dr. WAYNE F. GEISERT.
Dean: Dr. D. V. ULRICH.
Registrar: C. BESS.
Director of Admissions: V. FAIRCHILDS.
Librarian: O. WAGES.

The library contains 146,000 vols.

Number of teachers: 67.
Number of students: 875.

COLLEGE OF WILLIAM AND MARY IN VIRGINIA

WILLIAMSBURG, VIRGINIA 23185
Founded 1693.

President: T. A. GRAVES, Jr., M.B.A., D.B.A.
Vice-President for Academic Affairs: G. R. HEALY, M.A., PH.D.
Vice-President for Business Affairs: W. J. CARTER, M.S.
Vice-President for Development: P. W. HEEMANN, M.A.
Registrar: HENRY C. JOHNSON, M.A.
Librarian: AILENE ZIRKLE, M.S., L.S.

The library contains 675,000 vols.

Number of teachers: 359 (full-time).
Number of students: 6,129.

Publications: *The William and Mary Quarterly, Studies in Third World Societies.*

DEANS:

Faculty of Arts and Sciences: JACK D. EDWARDS, LL.B., PH.D.
Graduate Studies: J. E. SELBY, M.A., PH.D.
School of Education: JAMES YANKOVICH, M.ED., ED.D.
School of Marine Science: W. J. HARGIS, M.A., PH.D.
School of Business Administration: C. L. QUITTMEYER, M.B.A., PH.D.
Marshall-Wythe School of Law: W. B. SPONG, LL.B.
Virginia Associated Research Campus: H. ACETO, PH.D.
Students: W. S. SADLER, M.ED.
Undergraduate Program: LINDA COLLINS REILLY, PH.D.

EASTERN MENNONITE COLLEGE

HARRISONBURG,
VIRGINIA 22801
Telephone: (703) 433-2771.
Founded 1917.

President: Dr. MYRON S. AUGSBURGER.
Director of Admissions and Records: J. DAVID YODER.
Librarian: JAMES O. LEHMAN.

The library contains 96,000 vols.

Number of teachers: 64.
Number of students: 1,065.

GEORGE MASON UNIVERSITY

FAIRFAX, VIRGINIA 22030
Founded 1957.

President: ROBERT C. KRUG (acting).
Vice-President for Business: HENRY P. ADAMS.
Vice-President for Students: DONALD J. MASH.

The library contains 140,000 vols.

Number of teachers: 315 full-time, 186 part-time.

Number of students: 8,771.

HAMPDEN-SYDNEY COLLEGE

HAMPDEN-SYDNEY,
VIRGINIA 23943

Telephone: (703) 223-4381.

Founded 1776.

Men's college of the Liberal Arts and Sciences.

President: JOSIAH BUNTING III.
Dean of the Faculty: DANIEL P. POTEET II (acting).
Registrar: MERRILL A. ESPIGH.
Librarian: P. L. GRIER.

The library contains 114,840 vols.

Number of teachers: 60.
Number of students: 735.

HAMPTON INSTITUTE

HAMPTON, VIRGINIA 23668

Founded 1868.

President: Dr. WILLIAM R. HARVEY.
Academic Dean: Dr. JOHN W. HANDY, Jr. (acting).
Director of Fiscal Affairs and Treasurer: L. C. WYATT.
Dean of Admissions: Dr. OLLIE M. BOWMAN.
Registrar: Dr. EDWARD B. HANRAHAN.
Director of Student Affairs: ALEXANDER E. STRAWN.
Director of Development: LARON J. CLARK.
Secretary of the College and Administrative Assistant to the President: Mrs. M. B. PLEASANT.

The library contains 190,000 vols.

Number of students: 2,800.

HOLLINS COLLEGE

VIRGINIA 24020

Founded 1842.

President: CARROLL W. BREWSTER.
Dean of the College: ROBERTA A. STEWART.
Director of Admission: SANDRA J. LOVINGUTH.
Registrar: MARGARET L. ELDRIDGE.
Librarian: R. E. KIRKWOOD.

The library contains 185,000 vols.

Number of teachers: 80, including 20 professors.

Number of students: 995; graduate students 65.

Publications: *Alumnae Bulletin, Hollins Herald, Hollins Bulletin.*

JAMES MADISON UNIVERSITY

HARRISONBURG, VIRGINIA 22801

Telephone: Harrisonburg 433-6211.

Founded 1908, name changed from Madison College 1977.

President: Dr. RONALD E. CARRIER.
Vice-President for Academic Affairs: Dr. THOMAS C. STANTON.
Vice-President for Student Affairs: Dr. WILLIAM O. HALL, Jr.
Dean of Admissions and Records: Dr. FAY J. REUBUSH.
Dean of Libraries and Learning Resources: Dr. MARY F. HABAN.

Schools of Letters and Sciences, Fine Arts and Communication, Business, Education and Graduate Studies.

The library contains 350,000 vols.

Number of teachers: 500.
Number of students: 8,100.

LONGWOOD COLLEGE

FARMVILLE, VIRGINIA 23901

Telephone: (804) 392-9211.

Founded 1839 as Farmville Female Seminary.

President: HENRY I. WILLETT, Jr.
Registrar: STUART B. TENNANT.
Librarian: MARTHA H. LESTOURGEON.

The library contains 172,977 vols.

Number of teachers: 170.
Number of students: 2,290.

LYNCHBURG COLLEGE

LYNCHBURG, VIRGINIA 24504

Telephone: 845-9071.

Founded 1903.

President: Dr. CAREY BREWER.
Registrar: S. WENTWORTH.
Director of Admissions: E. CHADDERTON.
Librarian: Mrs. M. SCUDDER.

The library contains 140,000 vols.

Number of teachers: 107.
Number of students: 2,100.

MARY BALDWIN COLLEGE

STAUNTON, VIRGINIA 24401

Telephone: 885-0811.

Founded 1842.

President: VIRGINIA L. LESTER.
Dean: DOROTHY M. MULBERRY.
Registrar: A. L. BOOTH.
Librarian: WILLIAM C. POLLARD.

The library contains 133,546 items.
Number of teachers: 53.
Number of students: 667.

MARY WASHINGTON COLLEGE

FREDERICKSBURG,
VIRGINIA 22401

Founded 1908.

President: PRINCE B. WOODARD, M.A., ED.D., L.L.D.

Number of teachers: *c.* 160.
Number of students: 2,126.

OLD DOMINION UNIVERSITY

NORFOLK, VIRGINIA 23508.

Telephone: (804) 489-6000.

Founded 1930 as a college.

President: ALFRED B. ROLLINS, Jr.
Registrar: Miss MARCELINE STAPLES.
Director of Admissions: J. R. VAILLANCOURT.
Librarian: Dr. CYNTHIA B. DUNCAN.

The library contains 481,619 vols.

Number of teachers: 626.
Number of students: 13,262.

PRESBYTERIAN SCHOOL OF CHRISTIAN EDUCATION

1205 PALMYRA AVENUE,
RICHMOND, VIRGINIA 23227

Telephone: (804) 359-5031.

Founded 1914.

President: KENNETH B. ORR.
Registrar: M. C. MCIVER, Jr.
Librarian: J. TROTTI.

The library contains 160,000 volumes.

Number of teachers: 13.
Number of students: 101.

RADFORD COLLEGE

RADFORD, VIRGINIA 24142

Founded 1913.

President: DONALD N. DEDMON.
Vice-President for Academic Affairs: DAVID J. MOORE.
Vice-President for Business and Finance: RICHARD MANAHAN.
Treasurer: W. SCOTT WEAVER.
Registrar: EDWARD L. GIBBON.
Dean of Students: FRANCES A. HURLBURT.
Director of Admissions: DRUMONT BOWMAN.

Number of students: 5,623.

RANDOLPH-MACON COLLEGE

ASHLAND, VIRGINIA 23005

Telephone: (804) 798-8372.

Founded 1830.

President: L. W. WHITE, III.
Registrar: R. L. HOPKINS.
Director of Admissions: C. E. COX, Jr.
Librarian: Mrs. FLAVIA R. OWEN.

The library contains 105,000 vols.

Number of teachers: 66 full-time.
Number of students: 940.

RANDOLPH-MACON WOMAN'S COLLEGE

LYNCHBURG, VIRGINIA 24503

Founded 1891.

President: ROBERT A. SPIVEY.
Director of Admissions: ROBERT T. MERRITT.
Director of Business Affairs and Treasurer: CLYDE F. MCALISTER.
Librarian: P. M. BOORD.

The library contains 135,000 vols.

Number of teachers: 75, including 24 professors.

Number of students: 800.

Publications: *Catalogue, Student's Handbook, Pictorial Bulletin, R-MWC Today, Randolph-Macon Alumnae Bulletin.*

Deans:

College: Anne S. Kimball.
Students: J. Cristia Pierson.

ROANOKE COLLEGE

SALEM, VIRGINIA 24153
Telephone: 389-2351.
Founded 1842.

President: Norman D. Fintel.
Registrar and Assistant Dean: Prof. H. Bast.
Director of Admissions: Robert A. Doyle.
Dean: C. Freeman Sleeper.
Librarian: Mrs. Lucile D. Snow.

The library contains 109,000 vols.
Number of teachers: 65.
Number of students: 1,050.

SWEET BRIAR COLLEGE

SWEET BRIAR, VIRGINIA 24595
Chartered 1901.

Liberal Arts and Sciences College.

President: Dr. H. B. Whiteman, Jr.
Dean: Dr. Beatrice P. Patt.
Director of Admissions: Nancy G. Baldwin.
Registrar: Mary R. Linn.
Librarian: Henry James.

The library contains 161,000 vols.

Number of teachers: 84.
Number of students: 700 women.

Publications: *Catalog*† (annual), *Newsletter, Alumnae News*†.

UNIVERSITY OF RICHMOND

RICHMOND, VIRGINIA 23173

Chartered as Richmond College 1830, as University of Richmond 1920.

President: E. B. Heilman, PH.D., LL.D., D.HUM.
Chancellor: G. M. Modlin, PH.D., LL.D.
Vice-President for Business and Finance: L. W. Moelchert.
Vice-President and Provost: M. L. Vulgamore, PH.D.
Vice-President for University Relations. H. G. Quigg, B.A.
Vice-President for Student Affairs: William H. Leftwich, PH.D.
Dean of Administration: C. J. Gray, ED.D.
Business Manager: W. J. Rhodes, Jr., B.S.
Registrar: W. von Klein, M.A.
Librarian: D. E. Robison, B.S., M.S., M.A.

The library contains 235,727 vols.

Number of teachers: 193 full-time, 121 part-time.

Number of students: 3,081 full-time, 1,574 part-time.

Student Publications: *The Messenger* (magazine), *The Richmond Collegian* (weekly newspaper), *The Web* (annual).

Deans:

Faculty of Arts and Sciences: G. S. Riley, PH.D.
Richmond College (Men): R. A. Mateer, PH.D.
Westhampton College (Women): S. L. M. Bennett, PH.D.
Business Administration: T. L. Reuschling, PH.D.
Law: T. A. Edmonds, J.S.D.
Graduate: A. B. Gunlick's, PH.D.
University College, Summer School, Continuing Education: M. C. Graeber, M.A., PH.D.

UNIVERSITY OF VIRGINIA

CHARLOTTESVILLE,
VIRGINIA 22903
Telephone: 924-0311.

Founded by act of General Assembly of Virginia, 1819.

Academic year: September to May (two semesters).

President: Frank L. Hereford, Jr., PH.D.
Vice-President and Provost: David A. Shannon, PH.D.
Dean of Students: R. T. Canevari, M.ED.
Dean of Admissions: John T. Casteen, M.A., PH.D.
Librarian: R. W. Frantz, Jr., M.S. IN L.S., M.A., PH.D.

Library: *see* Libraries.

Number of teachers: 1,534.
Number of students: 15,903.

Publications: *Virginia Quarterly Review, Virginia Law Review*†, *Virginia Law Weekly*†, *News Letter*†, *Alumni News*†, *Register*†, *University Topics*†.

Deans:

College of Arts and Sciences: Robert L. Kellogg, A.M., PH.D.
School of Architecture: J. N. Bosserman, M.F.A.
School of Education: Richard M. Brandt, M.A., PH.D.
School of Engineering and Applied Science: John E. Gibson.
The Graduate School of Arts and Science: W. Dexter Whitehead.
The Graduate School of Business Administration: C. Stewart Sheppard, PH.D.
School of Law: Emerson G. Spies, LL.D.
School of Medicine: Norman J. Knorr, M.D.
School of Nursing: Rose Marie Chioni, M.A., PH.D.
McIntire School of Commerce: William G. Skenkir, PH.D.
Division of Continuing Education: Adelle F. Robertson, ED.D.

Professors:

College of Arts and Sciences:

Abbot, W. W., M.A., PH.D., History
Abraham, H. J., PH.D., Government
Ainsworth, M. D., PH.D., Psychology
Alden, D. W., A.M., PH.D., French
Andrews, W. L., PH.D., Chemistry
Arnhoff, F. N., M.A., PH.D., Sociology
Barrere, J. B., PH.D., French
Battestin, M. C., PH.D., English
Beaurline, L. A., M.A., PH.D., English
Bell, R. Q., M.A., PH.D., Psychology
Best, P. J., PH.D., Psychology
Bice, R. C., PH.D., Psychology
Bierstedt, R., PH.D., Sociology and Anthropology
Bishko, C. J., A.M., PH.D., History
Bodenstein, D., PH.D., Biology
Breit, W. L., PH.D., Economics
Brewer, J. W., PH.D., Mathematics
Brill, A. S., PH.D., Physics
Burmeister, E., PH.D., Economics
Caplow, T., Sociology and Anthropology
Cauthen, I. B., Jr., M.A., PH.D., English
Celli, V., PH.D., Physics
Chadwick, B. A., M.A., PH.D., Sociology
Claude, I. L., M.A., PH.D., Government and Foreign Affairs
Cohen, R., M.A., PH.D., English
Coleman, R. V., PH.D., Physics
Colker, M. L., PH.D., Classics
Coughlin, R. J., M.A., PH.D., Sociology
Crocker, L. G., M.A., PH.D., French
Cross, R. D., PH.D., History
Damrosch, L., PH.D., English
Davidson, H. M., PH.D., French
Day, D. T., III, M.A., English
Deaver, B. S., M.A., PH.D., Physics
Deese, J. E., PH.D., Psychology
Del Greco, A. A., M.A., PH.D., Spanish
Dell, H. J., M.A., PH.D., History
Denommé, R. T., French
Dent, J. N., PH.D., Biology
Dolan, R., M.S., PH.D., Environmental Sciences
Ehrenpreis, I., M.A., PH.D., English
Elzinga, K. G., M.A., PH.D., Economics
Ern, E. H., M.S., PH.D., Environmental Sciences
Evans, R. H., M.A., PH.D., Government and Foreign Affairs
Fenigstein, A., PH.D., Psychology
Fernbach, A. P., PH.D., Government and Foreign Affairs
Feuer, Katherine B., PH.D., Slavic Languages
Feuer, L. S., PH.D., University Professor
Floyd, E. E., PH.D., Mathematics
Fowler, M., PH.D., Physics
Frantz, R. W., M.S. IN L.S., M.A., PH.D., Library Science
Fredrick, L. W., M..A, PH.D., Astronomy
Garnett, J. C., M.SC., Government and Foreign Affairs
Garrard, J. G., PH.D., Slavic Languages
Garstang, R. H., Environmental Sciences
Gaston, P. M., PH.D., History
Goodell, H. G., Environmental Sciences
Goodman, F. O., PH.D., D.SC., Physics
Germino, D. L., M.A., PH.D., Government and Foreign Affairs
Graebner, N. A., M.A., PH.D., Modern American History
Grimes, R. N., PH.D., Chemistry
Gugelot, P. C., PH.D., Physics
Hadden, J. K., PH.D., Sociology and Anthropology
Hahn, J. F., PH.D., Psychology
Hamilton, H. L., M.A., PH.D., Biology
Hammond, T. T., M.A., PH.D., History
Harbaugh, W. H., M.A., PH.D., History
Harned, D. B., M.A., PH.D., Religious Studies
Harrison, W. W., A.M., PH.D., Chemistry
Hartt, F., M.A., PH.D., History of Art
Hartt, J. N., PH.D., Religious Studies
Havran, M. J., PH.D., History
Heath, P. L., B.A., Philosophy
Henry, L. L., M.A., PH.D., Government and Foreign Affairs
Hereford, F. L., PH.D., Physics
Hetherington, E. M., PH.D., Psychology
Hirsch, E. D., M.A., PH.D., English
Howland, J. S., M.S., PH.D., Mathematics

HUTCHINSON, C. A., PH.D., History
JOHNSTON, S. G., PH.D., Government and Foreign Affairs
JORDAN, D. C., PH.D., Government
KABIR, P. K., PH.D., Physics
KELLOGG, R. L., A.M. PH.D., English
KELLY, H. P., PH.D., Physics
KETT, J. F., PH.D., History
KHARE, R. S., PH.D., Anthropology
KIRSCH, A. C., PH.D., English
KOHLER, C. E., M.A., PH.D., English
KOLVE, V. A., PH.D., English
KONIGSBERG, I. R., PH.D., Biology
KRAEHE, E. E., History
KRETSINGER, R. H., PH.D., Biology
LANG, C. Y., M.A., PH.D., English
LANGBAUM, R. W., M.A., PH.D., English and American Literature
LASHOFF, R. K., PH.D., Mathematics
LENG, SHAO CHUAN, M.A., PH.D., Government and Foreign Affairs
LEVENSON, J. C., PH.D., English
LEVIN, D., PH.D., English
LITTLE, D., PH.D., Religious Studies
LITTLE, W. A., M.A., L.T.C.L. PH.D., German
MCCALLUM, B. T., M.B.A., PH.D., Economics
MCCLELLAN, W. D., PH.D., History
MCCRIMMON, K. M., PH.D., Mathematics
MCDONALD, O. J., A.M., Biology
MCGRADY, D. L., PH.D., Spanish
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MADAY, B. C., PH.D., Anthropology
MARTIN, R. B., PH.D., Chemistry
MILLER, O. L., M.S., PH.D., Biology
MITCHELL, J. W., M.S., D.PHIL., F.R.S., Physics.
MITCHELL, R. S., M.S., PH.D., Environmental Sciences
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MORGAN, R. J., PH.D., Government and Foreign Affairs
MOSHER, F. C., M.S., D.P.A., Government and Foreign Affairs
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PERKOWSKI, J. L., PH.D., Slavic Languages
PETERSON, M. D., PH.D., History
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RAMOS GIL, C., PH.D., Spanish
RAO, K. S., PH.D., Religious Studies
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REID, L. S., M.A., PH.D., Psychology
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RICHARDSON, F. S., PH.D., Chemistry
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SCHATZ, P. N., PH.D., Chemistry
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SHANNON, E. F., A.M., D.PHIL., LITT.D., LL.D., D.HUM., English
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WEISS, D. W., PH.D., Drama
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WHITEHEAD, W. D., Jr., M.S., PH.D., Physics
WILMSEN, E. N., M.A., PH.D., Anthropology
WILSDORF, DORIS K., M.SC., PH.D., D.SC., Physics and Materials Science
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WOOZLEY, A. D., Philosophy
WORCHEL, S., PH.D., Psychology
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YEAGER, L. B., M.A., PH.D., Economics
YOUNGER, E. E., M.A., PH.D., History
ZIOCK, K. O., PH.D., Physics

School of Architecture:

BOSSERMAN, J. N., B.S. IN ARCH., M.F.A.
COLLINS, R. C., PH.D., Public Administration, City Planning
COX, J. A., Architectural History
GRAHAM, R. E., M.A., Architectural History
HOPPNER, P. J., M.ARCH., Architecture
HOWLAND, B. C., B.S., Landscape Architecture
KAYHOE, M. E., M. OF ARCH., Architecture
MASSEY, J. C., B.ARCH., Architectural History
NICHOLS, F. D., B.F.A., Architecture
PELLICCIA, C., DR. IN ARCH., Architecture
PORTER, H. W., Jr., M.L.A., Landscape Architecture
TULEY, J. S., B.ARCH., Architecture
VICKERY, R. L., Jr., B.ARCH., Architecture
WHITE, H. K., B.S., Architecture
WIEBENSON, D., M.ARCH., M.A., PH.D., Architectural History
ZUK, W., M.S.E., PH.D., Architecture

School of Education:

ABIDIN, R. R., ED.D., Education
BASH, J. H., M.ED., ED.D., Education
BEARD, R. L., M.A., PH.D., Education
BRANDT, R. M., M.A., ED.D., Education
BURR, HELEN G., M.A., PH.D., Speech Pathology
BUSSE, B. W., M.MUS., PH.D., Music Education
CARRIKER, W. R., M.A., ED.D., Special Education
HENDERSON, E. H., PH.D., Education
HOLMES, G. W., III, A.M., PH.D., Education
HORNER, J. S., PH.D., Speech Pathology
JACOBSON, M. D., Education
LEAHY, J. F., Jr., M.A., PH.D., Education
LOWRY, W. C., M.ED., PH.D., Education
MACDOUGALL, M. A., ED.D., Research Methodology
MEADE, R. A., M.A., PH.D., Education
MEDLEY, D. M., PH.D., Education
MESINGER, J. F., PH.D., Special Education
MOSHER, EDITH, PH.D., Education
SEAWELL, W. H., M.A., ED.D., Education
SHOEMAKER, D. H., ED.D., Education
SHORT, J. G., PH.D., Education
TAYLOR, A. L., ED.D., Education
THOMPSON, E., PH.D., Curriculum and Instruction
VANHOOSE, W. H., PH.D., Education
WALTER, P. B., M.A., PH.D., Guidance and Counselor
WARD, V. S., M.ED., PH.D., Education

School of Engineering and Applied Science:

ATTINGER, E. O., M.D., M.S., PH.D., Biomedical Engineering
BARTON, F. W., PH.D., P.E., Civil Engineering
BATSON, A. P., PH.D., Computer Science
BORING, J. W., PH.D., Aerospace Engineering
BOULOUCON, P., M.CH.E., PH.D., Chemical Engineering
CATLIN, A., M.A., PH.D., Materials Science
CHARTRES, B. A., M.SC., PH.D., Applied Mathematics and Computer Science
COOK, G., M.S.E.E., SC.D., Electrical Engineering
FLETCHER, L. S., M.S., PH.D., Mechanical Engineering
FORNES, G. S., M.S. IN M.E., Mechanical Engineering
FOSTER, M. G., PH.D., Electrical Engineering
GIBSON, J. E., M.ENG., PH.D., Electrical Engineering
GUNTER, E. J., M.E., M.S.E.M., PH.D., Mechanical Engineering
HAVILAND, J. K., PH.D., Aerospace Engineering
HEREFORD, T. G., Jr., PH.D., General Engineering
HOEL, L. A., D.ENG., Civil Engineering
HUDSON, J. L., M.S.E., PH.D., Chemical **Engineering**
JESSER, W. A., PH.D., Materials Science
JOHNSON, R. A., PH.D., Materials Science
JOHNSON, W. R., D.SC., Nuclear Engineering
KAUZLARICH, J. J., M.S.M.E., PH.D., **Mechanical Engineering**
KELLY, J. L., PH.D., Nuclear Engineering
KINNIER, H. L., M.S.E., Civil Engineering
KUHLTHAU, A. R., M.S., PH.D., Aerospace Engineering
LAREW, H. G., M.S.C.E., PH.D., Civil Engineering
LATTA, G. E., PH.D., Applied Mathematics
LAWLESS, K. R., PH.D., Materials Science
LEWIS, D. W., Mechanical Engineering
LONGLEY, J. L., Jr., M.A., PH.D., Humanities
LOONEY, W. B., M.D., PH.D., Biomedical Engineering
LOWRY, R. A., PH.D., Aerospace Engineering
MCCORMICK, F. C., PH.D., Civil Engineering
MCVEY, E. S., M.S.ENGR., PH.D., Electrical Engineering
MATTAUCH, R. J., M.E., PH.D., Electrical Engineering
MATTHEWS, G. B., Aerospace Engineering

Meem, J. L., Jr., M.S., PH.D., Nuclear Engineering
Moore, J. W., M.S.M.E., PH.D., P.E., Mechanical Engineering
Owens, R. H., M.A., PH.D., Applied Mathematics and Computer Science
Parrish, E. A., M.E.E., D.SC., Electrical Engineering
Pilkey, W. D., M.S., PH.D., Mechanical Engineering
Rader, L. T., M.S., PH.D., Electrical Engineering, Business Administration
Ramey, R. L., M.S.E.E., PH.D., Electrical Engineering
Sage, A. P., PH.D., Electrical Engineering
Scott, J. E., Jr., M.S., M.A., PH.D., Aerospace Engineering
Siegel, C. M., M.S.E.E., PH.D., Electrical Engineering
Simmonds, J. G., PH.D., Applied Mathematics and Computer Science
Uhl, V. W., M.S.CH.E., PH.D., P.E., Chemical Engineering
Updike, O. T., PH.D., P.E., Chemical and Biomedical Engineering
Warfield, J. N., B.S., PH.D., Electrical Engineering
Williamson, T. G., PH.D., Nuclear Engineering
Wilsdorf, D. K., PH.D., D.SC., Materials Science
Wilsdorf, H. G., PH.D., D.SC., Materials Science

Graduate School of Business Administration:
Allen, B. R., M.B.A., D.B.A.
Bauman, W. S., D.B.A.
Borden, N. H., D.B.A.
Colley, J. L., M.S., D.B.A.
Fair, R. R., M.B.A.
Felton, E. L., D.B.A.
Forbes, J. D., M.A., A.M., PH.D., Business History
Grayson, L. E., A.M., PH.D., International Business Economics
Horniman, A. B., D.B.A.
Johnston, L. R., M.B.A., D.C.S.
Landell, R. D., M.S., PH.D.
Morton, F. S., III, M.B.A., D.C.S.
Newton, D. A., D.B.A.
Rader, L. T., M.S., PH.D.
Richardson, F. L. W., PH.D.
Rotch, W., D.B.A.
Sargent, C. F., M.S., M.B.A.
Sheppard, C. S., M.B.A., PH.D.
Sihler, W. W., D.B.A.
Smith, C. R., M.B.A., C.P.A.
Snook, J. L., J.D.
Vandell, R. F., D.B.A.

School of Law:
Alford, N. H., B.A., LL.B., J.S.D
Bevier, L. R., J.D.
Bonnie, R. J., B.A., LL.B.
Bergin, T. F., B.A., LL.B.
Cohen, E. S., B.A., LL.B.
Davison, C. M., Jr., B.A., LL.B.
Dooley, M. P., B.A., J.D.
Folk, E. L., III, M.A., LL.B.
Goetz, C., PH.D.
Graetz, M. J., B.B.A., LL.B.
Henderson, S. D., J.D.
Hetherington, J. A. C., A.B., LL.M.
Hoffman, P. B., M.D.
Howard, A. E. D., M.A., LL.B.
Kitchin, L. C., P.M.D., M.A.
Kneedler, H. L., LL.B.
Leslie, D. L., J.D.
Lillich, R. B., A.B., LL.M., J.S.D.
Lilly, G. C., B.S., LL.B.
Low, P. W., A.B., LL.B.
McCoid, J. C., II, B.A., LL.B.
McKee, W. S., J.D.
Manson, P. C., B.A., LL.B.
Merrill, R. A., M.A., LL.B.
Moore, J. N., A.B., LL.M.
Paulsen, M. G., A.B., J.D.
Perlman, H. S., J.D.
Redden, K. R., LL.B.
Rhinelander, L. H., M.A., J.D.
Ritchie, J., III, B.S., LL.B., J.S.D.
Robinson, G. O., A.B., LL.B.
Saltzburg, S. A., J.D.
Schwartz, W. F., A.B., LL.B.
Scott, R. E., J.D., LL.M.
Shapo, M., A.M., LL.B.
Spies, E. G., A.B., B.A., B.C.L., LL.D.
Thompson, S. C., M.A., J.D., LL.M.
Turnbull, A. R., A.B., LL.B.
Wadlington, W. J., III, A.B., LL.B.
Walker, W. L., J.D., S.J.D.
Ward, B. J., LL.M.
White, G. E., J.D., PH.D.
White, T. R., III, B.A., LL.B.
Whitebread, C. H., A.B., LL.B., Law
Woltz, C. K., B.A., LL.B.
Woodard, C., PH.D.

School of Medicine:
Abse, D. W., M.D., Psychiatry
Aldrich, C. K., M.D., Psychiatry
Allen, M. S., M.D., Pathology
Alrich, E. M., M.D., Surgery
Ardis, M. B., M.D., Clinical Services
Attinger, E. O., PH.D., Biomedical
Ayers, C. R., M.D., Internal Medicine
Barnett, B. L., M.D., Family Health
Bass, N. H., M.D., Neurology
Beckwith, J. R., M.D., Internal Medicine
Beller, G. A., M.D., Internal Medicine
Bern, R. M., M.D., Physiology
Berry, F. A., M.D., Anaesthesiology
Biltonen, R. L., M.D., Pharmacology
Bithell, T. C., M.D., Pathology
Blizzard, R. M., M.D., Paediatrics
Bobbitt, O., M.D., Pathology
Brochu, F. L., M.D., Clinical Services
Brooker, G., PH.D., Pharmacology
Buckman, J., M.D., Psychiatry
Cantrell, R. W., M.D., Otolaryngology
Cardell, R. R., M.D., Anatomy
Carron, H., M.D., Anaesthesiology
Cawley, E. P., M.D., Dermatology
Cohen, D. H., PH.D., Physiology
Craddock, W. E., M.D., Radiology
Craig, J. W., M.D., Internal Medicine
Crampton, R. S., M.D., Internal Medicine
Constable, W. C., M.D., Radiology
Cooper, G., PH.D., Radiology
Crockett, C. L., M.D., Family Health
Cruise, M. O., M.D., Paediatrics
Dammann, J. F., M.D., Paediatrics
Difazio, C. A., M.D., Anaesthesiology
Duling, B. R., PH.D., Physiology
Dunn, J. T., M.D., Internal Medicine
Edgerton, M. T., M.D., Plastic Surgery
Edlich, R. F., M.D., Plastic Surgery
Epstein, R. M., M.D., Anaesthesiology
Frankel, C. J., M.D., Orthopaedics
Gillenwater, J. Y., M.D., Urology
Gilman, A. G., PH.D., Pharmacology
Goldstein, G., M.D., Internal Medicine
Gwaltney, J. M., M.D., Internal Medicine
Guerrant, J. L., M.D., Internal Medicine
Haley, H. B., M.D., Surgery
Hanna, G. R., M.D., Neurology
Harbert, G. M., M.D., Obstetrics and Gynaecology
Hawkins, D. R., M.D., Psychiatry
Haynes, R. C., PH.D., Pharmacology
Hook, E. W., M.D., Internal Medicine
Howards, S. S., M.D., Urology
Huang, C.-H. H., PH.D., Biochemistry
Humphries, M. K., M.D., Ophthalmology
Hunter, T. H., M.D., Internal Medicine
Jane, J. A., M.C., Neurosurgery
Johanson, A. J., M.C., Paediatrics
Johns, T. I., M.D., Neurology
Keats, T. E., M.D., Radiology
Kitay, J. I., M.D., Internal Medicine
Komp, Diane M., M.D., Paediatrics
Krovetz, L. J., PH.D., Paediatrics
Kupke, D. W., PH.D., Biochemistry
Langdon, R. G., PH.D., Biochemistry
Langman, J., PH.D., Anatomy
Larner, J., PH.D., Pharmacology
Leavell, B. S., M.D., Internal Medicine
Looney, W. B., M.D., Biomedical
MacLeod, R. M., M.D., Internal Medicine
McCue, F. C., M.D., Orthopaedics
Mandell, G., M.D., Internal Medicine
McGilvery, R. W., PH.D., Biochemistry
McGovern, F. H., M.D., Otolaryngology
McGuire, L. B., M.D., Internal Medicine
McLaughlin, R. E., M.D., Orthopaedics
McLaurin, C. A., M.D., Orthopaedics
Miller, J. Q., M.D., Neurology
Miller, S. E., M.D., Family Health
Minor, G. R., M.D., Surgery
Mohler, D. N., M.D., Internal Medicine
Moon, G. N., M.D., Otolaryngology
Morris, J. L., M.D., Radiology
Murad, F., PH.D., Internal Medicine
Murphy, R. A., PH.D., Physiology
Nolan, S. P., M.D., Surgery
O'Brien, W. M., M.D., Internal Medicine
Owen, J. A., M.D., Internal Medicine
Peach, M. J., PH.D., Pharmacology
Pratt, J. G., PH.D., Psychology
Pullen, E. W., PH.D., Anatomy
Rall, T. W., PH.D., Pharmacology
Reefe, W. E., M.D., Clinical Services
Respess, J. C., M.D., Internal Medicine
Ritchie, W. P., PH.D., Surgery
Robinow, M., M.D., Paediatrics
Rochester, D. F., M.D., Internal Medicine
Rubio, R., PH.D., Physiology
Rudolf, L. E., M.D., Surgery
Savory, J., PH.D., Pathology
Schnaitman, C. A., PH.D., Microbiology
Shaw, A., M.D., Surgery
Sperelakis, N., PH.D., Physiology
Stamp, W. G., M.D., Orthopaedics
Stevenson, I. P., M.D., Psychiatry
Stone, D. D., M.D., Internal Medicine
Sturgill, B. C., M.D., Pathology
Thompson, T. E., PH.D., Biochemistry
Thornton, W. N., M.D., Obstetrics and Gynaecology
Tillack, T. W., M.D., Pathology
Vandecastle, R. L., PH.D., Psychiatry
Villar Palasi, C., PH.D., Pharmacology
Volkan, V. D., M.D., Psychiatry
Volk, W. A., PH.D., Microbiology
Wagner, R. R., M.D., Microbiology
Wanebo, H. J., M.D., Surgery
Weary, P. E., M.D., Dermatology
Westervelt, F. B., M.D., Internal Medicine
Westfall, T. G., PH.D., Pharmacology
Wheby, M. S., M.D., Internal Medicine
Wills, M. R., M.D., Pathology and Internal Medicine
Wilson, L. A., M.D., Obstetrics and Gynaecology
Wyker, A. W., M.D., Urology

School of Nursing:
Brodie, B., M.S.N., PH.D., Nursing
Chioni, R. M., M.A., PH.D., Nursing
Crosby, Marian H., R.N., B.S.N., **M.S.ED., ED.D., Nursing**
Parsons, L. C., M.S., PH.D., Nursing

McIntire School of Commerce:
Berry, L. L., D.B.A.
Gibson, J. E., LL.B., Commerce
Hunt, R. C., PH.D.
Kaulback, F. S., Jr., M.A., PH.D., Accountancy
Morin, B. A., M.B.A.

Partain, R. T., ph.d.
Scott, C. H., m.b.a.
Thompson, D. W., m.s.
Trent, R. H., ph.d.
Wheelen, T. L., d.b.a., Business Administration

Affiliated College:

Clinch Valley College: Wise, Virginia 24293.

Chancellor: Joseph C. Smiddy, m.a., lh.d.
Dean: Emmet F. Low, Jr., ph.d.

Number of teachers: 60.
Number of students: 1,096.

VIRGINIA COMMONWEALTH UNIVERSITY

910 WEST FRANKLIN ST.,
RICHMOND, VIRGINIA 23284
Telephone: (804) 257-70100.

Founded 1838 as the medical department of Hamden-Sydney College. Richmond Professional Institute and Medical College of Virginia merged in 1968 to form this University.
State control.

President: Dr. Raymond F. Ackell.
Provosts: M. Pinson Neal (Health Sciences), F. J. Brooke (Academic), R. E. Beller (Administration).
Vice-President, Finance: J. G. Guerdon.
Vice-President, Health Sciences Division: L. A. Woods, m.d., ph.d.
Vice-President, Student Life: R. I. Wilson, ph.d.
Directors of Admission: J. J. Johnson, W. A. Robertson.
Director of Institutional Research and Planning: Roger L. Smith.
Librarian: G. B. McCabe.

The library contains 446,578 vols.

Number of teachers: 1,291 full-time, 330 part-time.
Number of students: 18,366.

Deans:

Academic Division:
- *School of the Arts:* M. N. DePillars.
- *School of Arts and Sciences:* P. D. Minton.
- *School of Business:* J. C. Hall.
- *School of Community Services:* D. L. Ames.
- *School of Education:* C. P. Ruch.
- *School of Social Work:* Elaine Z. Rothenberg.
- *Evening College and Summer School:* (vacant).

Health Sciences Division:
- *School of Allied Health Professions:* T. C. Barker.
- *School of Basic Sciences:* D. T. Watts.
- *School of Dentistry:* J. E. Kennedy.
- *School of Medicine:* J. J. Steinfeld.
- *School of Nursing:* Doris B. Yingling.
- *School of Pharmacy:* W. E. Weaver.

VIRGINIA MILITARY INSTITUTE

LEXINGTON, VIRGINIA 24450
Founded 1839.

Superintendent: Lt.-Gen. R. L. Irby.
Dean of Faculty: Brig.-Gen. J. M. Morgan, Jr.
Commandant: Col. Charles E. Edgar III.
Treasurer: Col. R. M. Harper.
Librarian: Lt.-Col. James E. Gaines, Jr.

The library contains 251,077 vols.

Number of teachers: 93 academic (of whom 43 are professors), 30 military.
Number of students: 1,300 men.

Publication: *Catalogue.*

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

BLACKSBURG, VIRGINIA 24061
Telephone: (703) 951-6000.

Established 1872; opened to women 1921.

State control; Academic year: September to June.

President: Dr. W. E. Lavery.
Vice-President, Academic Affairs: J. D. Wilson.
Vice-President, Administration: A. H. Krebs.
Vice-President, Student Affairs: J. W. Dean.
Dean of Admissions and Records: M. P. Lacy.
Librarian: H. G. Bechanan.

Number of teachers: 1,699.
Number of students: 19,314.

Publications: *Bulletin, The Techgram, Context, Extension Division Series, Research Division Series.*

Deans:

Agriculture: J. R. Nichols.
Architecture: C. Burchard.
Arts and Sciences: W. C. Havard.
Business: H. H. Mitchell.
Education: K. L. Hereford.
Engineering: P. E. Torgersen.
Home Economics: Laura J. Harper.
Graduate: F. W. Bull.
Veterinary Medicine: R. B. Talbot.

VIRGINIA STATE COLLEGE

PETERSBURG, VIRGINIA 23803

Founded by State of Virginia as Virginia Normal and Collegiate Institute 1882; opened 1883; name changed to Virginia Normal and Industrial Institute 1902; to Virginia State College for Negroes 1930; to Virginia State College 1946.

President: Dr. Thomas M. Law.
Executive Vice-President: Dr. Freddie W. Nicholas.
Vice-President for Academic Affairs: Dr. Arnold R. Henderson, Jr.
Vice-President for Resources Management: Charles M. Belt.
Vice-President for Student Affairs: Dr. Porcher L. Taylor, Jr.
Director of Admissions: Edward L. Smith.
Registrar: Mabel C. Mountcastle.

The library contains 190,000 vols.

Number of teachers: 249.
Number of students: 4,852.

Deans:

School of Humanities and Social Sciences: (vacant).
School of Business: (vacant).
School of Graduate Studies: Dr. William S. Edmonds.
School of Science and Technology: (vacant).
School of Education: Dr. Martha E. Dawson.
Division of Continuing Education: (vacant).

VIRGINIA UNION UNIVERSITY

1500 NORTH LOMBARDY ST.,
RICHMOND, VIRGINIA 23220
Telephone: 359-9331.
Founded 1865.

President: Allix B. James.
Registrar: Mrs. Janice D. Bailey.
Executive Vice-President: Dr. D. N. Cowling.
Vice-President for Business Affairs: Nathaniel Lipscomb.
Librarian: Mrs. Verdelle V. Bradley.

The library contains 131,122 vols.

Number of teachers: 96.
Number of students: 1,423.

WASHINGTON AND LEE UNIVERSITY

LEXINGTON, VIRGINIA 24450
Telephone: (703) 463-9111.

Founded as Augusta Academy 1749, chartered as Liberty Hall Academy 1782, name changed to Washington Academy 1798, to Washington College 1813, and to present name 1871.

President: Robert E. R. Huntley, ll.d.
Treasurer: J. W. Whitehead, l.h.d.
Registrar: H. S. Head, a.m.
Librarian: M. D. Leach, a.b., b.l.

The undergraduate library contains 345,000 vols.; the Law library 178,000 vols.

Number of teachers: 147.
Number of students: 1,705.

Publications: *Shenandoah* (literary quarterly), *Washington and Lee Law Review.*

Deans:

Arts and Sciences: W. J. Watt, ph.d.
Commerce, Economics, and Politics: E. C. Atwood, ph.d.
Law: R. L. Steinheimer, a.b., j.d.

WASHINGTON

CENTRAL WASHINGTON UNIVERSITY

ELLENSBURG,
WASHINGTON 98926
Telephone: 963-1111.

Founded 1891.

President: Donald E. Garrity.
Registrar: Louis Bovos.
Librarian: R. Waddle.

The library contains 275,207 vols.
Number of teachers: 331.
Number of students: 7,900.

EASTERN WASHINGTON UNIVERSITY

CHENEY, WASHINGTON 99004
Telephone: 235-6221.

Founded 1890.

President: H. George Frederickson.
Registrar: D. L. Liljegren.
Director of the Library: C. H. Baumann.

The library contains 270,000 volumes.
Number of teachers: 375.
Number of students: 7,000.

FORT WRIGHT COLLEGE

SPOKANE, WASHINGTON 99204
Telephone: (509) 328-2970.

Founded 1907.
Liberal Arts College.

President: Katherine Gray, s.n.j.m.
Academic Vice-President: Kathleen Ross, s.n.j.m.
Vic-President, College Relations: Mary E. Dunton, s.n.j.m.
Business Manager: Henry C. Miggins.
Dean of Student Affairs: Patricia Griswold, s.n.j.m.
Director of Admissions: John C. Allen.
Registrar: Mary Falkenreck.
Librarian: Rosemary Ross (acting).

The library contains 70,000 vols.
Number of teachers: 45.
Number of students: 500.

GONZAGA UNIVERSITY

SPOKANE, WASHINGTON 99258
Telephone: (509) 328-4220.

Founded 1887.

Private control; Academic year: September to May, and Summer Session.

President: Rev. Bernard J. Coughlin, s.j.
Academic Vice-President: (vacant).
Director for Development: S. Grashio.
Vice-President for University Relations: E. Curzon Fager.
Vice-President of the University: Rev. A. L. Dussault, s.j.
Registrar: C. Savage.
Director (Admissions): J. Mansfield.
Librarian: J. Stoltz.

The library contains 365,000 vols.
Number of teachers: 203.
Number of students: 3,100.

Publications: *Signum* (10 issues yearly), *Gonzaga Bulletin* (weekly), *Charter* (annually), *Reflections* (annually).

Deans:

Arts and Sciences: Rev. P. J. Ford, s.j.
Law: S. P. Myers.
Engineering: W. P. Ilgen.
Graduate School: J. E. Byrne.
Education: J. Wardian.
Business Administration: (vacant).

PACIFIC LUTHERAN UNIVERSITY

TACOMA, WASHINGTON 98447
Telephone: 531-6900.

Founded 1890.

President: W. O. Rieke.
Provost: R. Jungkuntz.
Librarian: John Heussman.

The library contains 235,400 vols.
Number of teachers: 198.
Number of students: 3,228.

SAINT MARTIN'S COLLEGE

LACEY, WASHINGTON 98503
Telephone: (206) 491-4700.

Founded 1895.

President: Fr. John Scott, o.s.b.
Registrar: Miss Marie Legaz.
Librarian: Mrs. Patricia Bonnifield.

The library contains 63,000 volumes
Number of teachers: 60.
Number of students: 850.

SEATTLE PACIFIC UNIVERSITY

3307 THIRD AVE. WEST,
SEATTLE, WASHINGTON 98119
Telephone: 281-2000.

Founded 1891.

President: David L. McKenna.
Vice-President for Academic Affairs: David O. Dickerson.
Vice-President for Finance: Howard Mount.
Vice-President for Research: Donald Kerlee.
Vice-President for Development: Gordon Werkema.
Director of Registration and Records: Lydia McNichols.
Director of Learning Resources: George McDonough.

The library contains 100,000 vols.
Number of teachers: 168.
Number of students: 2,276.

SEATTLE UNIVERSITY

SEATTLE, WASHINGTON 98122
Telephone: (206) 626-6200.

Founded 1891.

President: William J. Sullivan, s.j.
Registrar: Mary A. Lee.
Academic Vice-President: Dr. W. A. Guppy.
Controller: Patrick Snetsinger.
Librarian: Rev. Kenneth F. Enslow, s.j.

The library contains 167,000 vols.
Number of teachers: 175.
Number of students: 3,500.

Publication: *Bulletin of Information.*

Deans:

College of Arts and Sciences: Fr. William F. LeRoux, s.j.
School of Business: Dr. John D. Eshelman.
School of Education: Dr. Frederick Gies.
School of Science and Engineering: Dr. Gary Zimmerman.
School of Nursing: Dr. Patricia Ferris.
Graduate School: Rev. J. Cowgill, s.j.

UNIVERSITY OF PUGET SOUND

TACOMA, WASHINGTON 98416
Telephone: 756-3100.

Founded 1888.

Private control.

President: Philip M. Phibbs.
Dean of University: Thomas A. Davis.
Vice-Presidents: H. James Clifford, L. Stuckey, B. Wallace.
Registrar: John Finney.
Librarian: W. D. Taylor.

Number of teachers: 185.
Number of students: 3,900 full-time.

Deans:

Faculty: Thomas A. Davis.
Dean of Students: Gordon Verplank.

Directors:

School of Business Administration and Economics: R. Waldo.
School of Education: R. Hodges.
School of Music: James Sorenson.
School of Occupational Therapy: Steve Morelan.
School of Law: Wallace Rudolph.

UNIVERSITY OF WASHINGTON

SEATTLE, WASHINGTON 98195
Telephone: 543-2100.

Established by legislature 1861.

President: John R. Hogness, m.d.
Provost: G. M. Beckmann, ph.d.
Vice-President for Business and Finance: J. F. Ryan, b.s.
Vice-President for Health Sciences: J. T. Grayston, m.s., m.d.
Vice-President for Student Affairs: A. E. Ulbrickson, m.s., m.p.a.
Vice-President for University Relations: M. E. Chisholm, ph.d.
Executive Director, Admissions and Records: W. W. Washburn, b.a.
Director of Libraries: Merle N. Boylan, m.l.s.

Library: *see* Libraries.

Number of teachers: 2,471, full-time faculty.

Number of students: 35,000.

Publications: *American Journal of Human Genetics, Biochemistry, College of Education Record, Journal of Economic History, Journal of Limnology and Oceanography, Modern Language Quarterly, Pacific Northwest Quarterly, Poetry Northwest, Trends in Engineering, University of Washington Business Review, Washington Law Review, French Historical Studies, Journal of Financial and Quantitative Analysis, Papers of Regional Science Association, Genetics.*

DEANS:

- *Graduate School:* R. GEBALLE, PH.D.
- *College of Architecture and Urban Planning:* LEE G. COPELAND, M.C.P.
- *College of Arts and Sciences:* S. F. MIYAMOTO, PH.D. (acting).
- *College of Business Administration:* K. O. HANSON, M.S., PH.D.
- *College of Education:* F. T. GILES, M.A., ED.D.
- *College of Engineering:* D. A. CARLSON, M.S.C.E., PH.D.
- *College of Fisheries:* D. CHAPMAN, M.A., PH.D.
- *College of Forest Resources:* J. S. BETHEL, M.F., D.F.
- *Continuing Education:* R. G. WALDO, D.P.A.
- *School of Pharmacy:* M. GIBALDI, PH.D.
- *School of Dentistry:* A. W. MOORE, M.S., D.D.S.
- *School of Law:* E. GELLHORN.
- *School of Librarianship:* P. HIATT, PH.D. (Director).
- *School of Medicine:* R. L. VANCITTERS, M.D.
- *School of Nursing:* R. DE TORNYAY, ED.D.
- *School of Social Work:* S. BRIAR, D.S.W.
- *School of Public Health and Community Medicine:* R. W. DAY, M.P.H., PH.D.
- *Graduate School of Public Affairs:* B. C. DENNY, M.A., PH.D.

DIRECTORS:

- *Applied Physics Laboratory:* W. R. DAVIS, PH.D.
- *Center for Bioengineering:* J. B. BASINGTHWAIGHTE, PH.D.
- *Center for Inherited Diseases:* A. G. MOTULSKY, M.D.
- *Center for Research in Oral Biology:* R. C. PAGE, PH.D.
- *Friday Harbor Laboratories:* A. O. D. WILLOWS, PH.D.
- *Center for Law and Justice:* J. G. WEIS, D.CRIM.
- *Center for Studies in Demography and Ecology:* T. W. PULLUM, PH.D.
- *Institute on Aging:* C. EISDORFER, M.D. (acting).
- *Institute for Environmental Studies:* G. H. ORIANS, PH.D.
- *Institute of Governmental Research:* R. H. PEALY, PH.D.
- *Institute for Marine Studies:* D. L. MCKERNAN, B.S.
- *Quaternary Research Center:* E. B. LEOPOLD, PH.D.
- *Child Development and Mental Retardation Center:* I. EMANUEL, M.A., M.D.
- *Fisheries Research Institute:* R. L. BURGNER, PH.D.
- *Institute of Forest Products:* J. S. BETHEL, D.F.
- *Regional Primate Center:* O. A. SMITH, Jr., PH.D.

PROFESSORS:

College of Architecture and Urban Planning:

- AMOSS, H. L., M.A., PH.D., Urban Planning
- BONSTEEL, D. L., M.ARCH., Architecture
- BOSWORTH, T. L., M.A., Architecture
- BUCHANAN, R. T., M.L.A., Landscape Architecture
- COPELAND, L. G., M.C.P., Architecture and Urban Planning
- GREY, A. L., Jr., PH.D., Urban Planning
- HANCOCK, J. L., PH.D., Urban Planning
- HILDEBRAND, G., M.ARCH., Architecture and Art History
- HORWOOD, E. M., PH.D., Urban Planning and Civil Engineering
- JACOBSON, P. L., M.ARCH., Architecture
- JOHNSON, N. J., B.A., B.ARCH., PH.D., Architecture and Urban Planning
- KELLEY, C. M., M.ARCH., Architecture
- LOVETT, W. H., M.ARCH., Architecture
- MARTS, M. E., PH.D., Urban Planning and Geography
- MITHUN, O. L., B.ARCH., Architecture
- PUNDT, H. G., PH.D., Architecture and Art History
- RABINOWITZ, A., PH.D., Urban Planning
- SCHNEIDER, J. B., PH.D., Urban Planning and Civil Engineering
- SEYFRIED, W. R., Jr., D.B.A., Urban Planning and Business, Government and Society
- SMALL, R. E., M.ARCH., Architecture and Landscape Architecture
- STEINBRUECK, V., B.ARCH., Architecture
- STREISSGUTH, D. M., M.ARCH., Architecture
- THIEL, P., B.ARCH., Architecture
- VAREY, G. B., M.ARCH., Architecture and Building Construction
- WOLFE, M. R., B.S. IN ARCH., M.R.P., Urban Planning

College of Arts and Sciences:

- ADAMS, H. S., PH.D., English
- ADAMS, R. P., PH.D., English
- ADELBERGER, E. D., PH.D., Physics
- ALDEN, D., M.A., PH.D., History and International Studies
- ALEXANDER, E., M.A., PH.D., English
- ALPS, G. E., M.F.A., School of Art
- ALTIERI, C. F., PH.D., English
- AMES, W. E., PH.D., Communications
- ANDERSEN, N. H., PH.D., Chemistry
- ANDERSON, A. G., Jr., M.S., PH.D., Chemistry
- ANDERSON, F. N., B.A., M.F.A., Art
- ANDERSON, G. C., PH.D., Oceanography
- ARNOLD, R. R., M.F.A., Art
- ARONS, A. B., M.S., PH.D., Physics
- ARSOVE ,M. G., M.S., PH.D., Mathematics
- ATTNEAVE, C. L., PH.D., Psychology
- BADGLEY, F. I., M.S., PH.D., Atmospheric Sciences
- BAKER, M., PH.D., Physics
- BANSE, K., PH.D., Oceanography
- BANTA, M., PH.D., English
- BARDEEN, J. M., PH.D., Physics
- BARTH, E. A., M.A., PH.D., Sociology
- BARZEL, Y., PH.D., Economics
- BASKERVILLE, B., M.A., PH.D., Speech
- BAUER, M. P., M.F.A., Art
- BEACH, L. R., PH.D., Psychology
- BEALE, J. M., M.MUS., Music
- BEAUMONT, R. A., M.S., PH.D., Mathematics
- BECKER, J., M.A., PH.D., Psychiatry and Psychology
- BECKMANN, G. M., PH.D., School of International Studies
- BEHLER, E., PH.D., Germanics and Comparative Literature
- BERGSMA, W., M.M., School of Music
- BLALOCK, H. M., Jr., PH.D., Sociology
- BLAIR, J. S., M.S. ,PH.D., Physics
- BLUMENTHAL, R. M., PH.D., Mathematics
- BOBA, I., PH.D., School of International Studies and History
- BODANSKY, D., M.A., PH.D., Physics
- BOHM, K.-H., PH.D., Astronomy
- BOHM-VITENSE, ERIKA, PH.D., Astronomy
- BOLER, J. F., PH.D., Philosophy
- BOLLES, R. C., M.S., PH.D., Psychology
- BONE, H. A., M.A., PH.D., Political Science
- BORDEN, W. T., PH.D., Chemistry
- BORIS, R., Music
- BOSMAJIAN, H. A., PH.D., Speech
- BOSTROM, R. C., M.A., PH.D., Geological Sciences and Geophysics
- BOULWARE, D. G., PH.D., Physics
- BRASS, P. R., PH.D., Political Science and Asian Studies in School of International Studies
- BRAVMANN, R. A., PH.D., Art History
- BROWN, L. S., PH.D., Physics
- BROWNELL, F. H., III, M.S., PH.D., Mathematics
- BURKE, R., M.A., PH.D., History
- BURNS, W., A.M., PH.D., English
- BUSINGER, J., PH.D., Atmospheric Sciences and Geophysics
- BUTOW, R. J. C., PH.D., School of International Studies and History
- CARLSEN, J. C., M.A., PH.D., Music
- CARR, J. E., PH.D., Psychology and Psychiatry
- CARRAHER, R. G., M.A., Art
- CARTER, R. F., M.A., PH.D., Communications
- CARTWRIGHT, P. W., M.A., PH.D., Economics
- CASSINELLI, C. W., A.M., PH.D., Political Science
- CELENTANO, F., M.A., Art
- CHARLSON, R. F., PH.D., Environmental Studies, Civil Engineering and Geophysics
- CHAPMAN, D. G., M.A., PH.D., Mathematics, Fisheries, Forest Resources
- CHEUNG, S. N. S., PH.D., Economics
- CHRISTIAN, G. D., PH.D., Chemistry
- CHRISTENSEN, N. I., PH.D., Geological Sciences and Geophysics
- CHRISTOFIDES, C. G., M.A., PH.D., Romance Languages and Literature and Comparative Literature
- CLARK, K. C., A.M., PH.D., Physics and Geophysics
- CLELAND, R. E., PH.D., Botany
- CLONEY, R. A., PH.D., Zoology
- COACHMAN, L. K., PH.D., Oceanography
- COBURN, R. C., PH.D., Philosophy
- CONTRERAS, H., PH.D., Linguistics
- COOK, V., PH.D., Physics
- COOMBS, H. A., M.S., PH.D., Geological Sciences
- CORSON, H. H., M.A., PH.D., Mathematics
- COSTNER, H. L., PH.D., Sociology
- CRAMER, J. G., Jr., PH.D., Physics
- CREAGER, J. S., PH.D., Oceanography
- CREORE, A. E., PH.D., Romance Languages and Literature
- CRIDER, J. R., M.A., Drama
- CRIMINALE, W. O., Jr., PH.D., Oceanography, Geophysics

Crutchfield, J. A., Jr., A.M., PH.D., Economics, Public Affairs, and Marine Studies
Curjel, C. R., D.SC., Mathematics
Curtis, E. B., PH.D., Mathematics
Curtis-Verna, Mary, A.B., Music
Dailey, M. D., M.F.A., Art
Dash, J. G., M.A., PH.D., Physics
Davidson, E. R., PH.D., Chemistry
Dehmelt, H. G., M.S., PH.D., Physics
Deyrup-Olsen, Ingrith J., PH.D., Zoology
Dietrichson, P., PH.D., Philosophy
Doermann, A. H., M.A., PH.D., Genetics
Douglas, H. C., PH.D., Genetics and Microbiology
Dubisch, R., M.S., PH.D., Mathematics
Dunnell, R. C., PH.D., Anthropology
Du Pen, E. G., B.F.A., Art
Edelstein, A. S., PH.D., Communications
Edmondson, W. T., PH.D., Zoology
Edwards, A. L., M.A., PH.D., Psychology
Edwards, J. S., PH.D., Zoology
Eggers, D. F., Jr., PH.D., Chemistry
Eichinger, W. A., M.MUS., Music
Ellison, H. J., M.A., PH.D., School of International Studies and History
Emerson, R. M., PH.D., Sociology
Erickson, J. W., M.F.A., Art
Evans, B. W., PH.D., Geological Sciences
Fairhall, A. W., PH.D., Chemistry, Physics and Geophysics
Farner, D. S., M.A., PH.D., Zoology
Farwell, G. W., PH.D., Physics
Fiedler, F. E., A.M., PH.D., Psychology
Fleagle, R. G., M.S., PH.D., Atmospheric Sciences
Fleming, R. H., M.A., PH.D., Oceanography
Fortson, E. N., II, PH.D., Physics
Fowler, D., M.A., PH.D., English
Fowler, W. B., PH.D., History
Friedman, L. J., M.A., PH.D., Romance Languages and Literature
Gallant, J. A., PH.D., Genetics
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Garfias, R. A., PH.D., Music
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Gerhart, J. B., M.A., PH.D., Physics
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Goldstein, A. A., M.A., PH.D., Mathematics
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Gore, W. J., PH.D. Political Science
Gouterman, M. P., M.S., PH.D., Chemistry
Gregory, N. W., M.S., PH.D., Chemistry
Griffiths, G., PH.D., History
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Hartwell, L. H., PH.D., Genetics
Hawthorne, D. G., PH.D., Genetics
Heer, N. L., PH.D., Near Eastern Languages and Literature
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Hellmann, D. C., PH.D., Political Science and School of International Studies
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Johnson, Mary L., M.S., D.SC., Nutritional Sciences and Textiles
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Lundin, N. K., M.F.A., Art
Mackay, P. A., PH.D., Classics, Comparative Literature and Near Eastern Language and Literature
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Mah, F. H., PH.D., Economics and International Studies
Makous, W., PH.D., Psychology
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Mar, B. W., PH.D., Environmental Studies and Civil Engineering
Marlatt, G. A., PH.D., Psychology
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Martin, A. W., Jr., PH.D., Zoology
Marts, Marion E., M.A., PH.D., Geography and Urban Planning
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Matchett, W. H., PH.D., English
Mathews, B. P., D.P.H., Physical and Health Education
Mathews, D. R., PH.D., Political Science
Meeuse, B. J., DR., Botany
Merrill, R. T., PH.D., Oceanography and Geophysics
Meyer, C. B., PH.D., Chemistry
Michael, E. A., M.A., PH.D., Mathematics
Micklesen, L. R., PH.D., Slavic Languages and Literature, Linguistics and International Studies
Miller, R. A., PH.D., Asian Languages and Literature
Minifie, F. D., PH.D., Speech and Hearing Sciences
Misch, P. H., D.SC., Geological Sciences
Miyamoto, S. F., M.A., PH.D., Sociology
Modelski, G., PH.D., Political Science
Monsen, E. R., PH.D., Nutritional Sciences and Textiles
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Morrill, R. L., M.A., PH.D., Geography and Environmental Studies
Morris, M. D., PH.D., Economics
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Motulsky, A., B.S., M.D., Genetics and Medicine
Murphy, S. R., PH.D., Oceanography, Mechanical Engineering
Namioka, I., M.A., PH.D., Mathematics
Nelson, C. R., PH.D., Economics
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Norris, R. E., PH.D., Botany
North, D. C., PH.D., Economics
Nostrand, H. L., A.M., PH.D., Romance Languages and Literature
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Orians, G. H., PH.D., Zoology and Environmental Studies
Ottenberg, S., PH.D., Anthropology
Pace, A., M.A., PH.D., Romance Languages and Literature
Paine, R. T., Jr., PH.D., Zoology
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Penuelas, M. C., M.ED., M.A., PH.D., Romance Languages and Literature
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Rabinovitch, S., PH.D., Chemistry
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Read, K. E., M.A., PH.D., Anthropology
Reed, R., SC.D., Atmospheric Sciences
Reinert, O., PH.D., English and Comparative Literature
Reshetar, J. S., Jr., M.A., PH.D., Political Science
Rey, W. H., PH.D., Germanics
Richards, F. A., M.S., PH.D., Oceanography
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Ritter, D. M., PH.D., Chemistry
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Roman, H. L., PH.D., Genetics
Rose, N. J., PH.D., Chemistry
Ross, D., Drama
Roth, G., PH.D., Sociology
Rothberg, J. E., PH.D., Physics
Ruegg, D. S., D.LITT., Asian Languages and Literature
Sackett, G. P., PH.D., Psychology
Sale, R. H., M.A., PH.D., English
Sandler, L. M., PH.D., Genetics
Saporta, S., M.A., PH.D., Linguistics and Romance Languages
Sarason, I. G., M.A., PH.D., Psychology
Sarason, L., PH.D., Mathematics
Sax, G., PH.D., Psychology and Education
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Schmidt, F. H., M.A., PH.D., Physics
Schmitt, D. R., PH.D., Sociology
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Schrag, C. C., M.A., PH.D., Sociology
Schubert, W. M., PH.D., Chemistry
Segal, J., PH.D., Mathematics
Serruys, P. L., PH.D., Asian Languages and Literature and International Studies
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Siki, Bela, Music
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Smith, W. O., M.A., Music
Snyder, R., A.M. ,PH.D., Zoology
Sokol, V., M.MUS., Music
Solberg, R. L., M.F.A., Art
Sperry, R. H., M.F.A., Art
Stadler, D. R., M.A., PH.D., Genetics
Stark, R., PH.D., Sociology
Steene, Birgitta, PH.D., Scandinavian Languages and Literature
Stern, E. A., PH.D., Physics
Sternberg, R. W., PH.D., Oceanography
Stevick, R. D., M.A., PH.D., English
Stotland, E., M.A., PH.D., Psychology
Stout, E. L., PH.D., Mathematics
Streib, J. F., PH.D., Physics
Stuiver, M., PH.D., Geological Sciences, Zoology
Stuntz, D. E., PH.D., Botany
Sugar, P. F., M.A., PH.D., History and International Studies
Swarm, H. M., PH.D., Electrical Engineering and Geophysics
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Sylvester, R. O., PH.D., Environmental Studies and Civil Engineering
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Thomas, M. D., PH.D., Geography
Thornton, J., PH.D., Economics
Tiffany, W. R., M.A., PH.D., Speech and Hearing Sciences
Townsend, J. R., PH.D., International Studies and Political Science
Treadgold, D. W., M.A., D.PHIL., Institute for Foreign Area and Comparative Studies and History
Tsukada, M., PH.D., Botany
Ullman, J., PH.D., History
Untersteiner, N., PH.D., Atmospheric Sciences and Geophysics
Vandenbosch, R., PH.D., Chemistry
van den Berghe, P. L., M.D., PH.D., Sociology
Voyles, J. B., PH.D., Economics
Wager, L. W., PH.D., Sociology
Wagoner, D. R., M.A., English
Walker, R. B., PH.D., Botany
Wallace, J. M., PH.D., Atmospheric Sciences
Wallerstein, G., PH.D., Astronomy
Warashina, P. B., M.F.A., Art
Warfield, R. B., PH.D., Mathematics
Warner, G. W., Jr., PH.D., Mathematics
Washburn, A. L., PH.D., Geological Sciences
Watson, J. B., A.M., PH.D., Anthropology
Webb, E., PH.D., International Studies and Comparative Literature
Webber, J. M., PH.D., English
Welander, P. L., PH.D., Oceanography
Weinstein, B., PH.D., Chemistry
Wheeler, H. E., A.M., PH.D., Geological Sciences
Whetten, J. T., PH.D., Geological Sciences
Whisler, H. C., PH.D., Botany
Whiteley, A. H., M.A., PH.D., Zoology
Wilets, L., M.A., PH.D., Physics
Williams, R. W., M.A., PH.D., Physics
Willows, A. O. D., PH.D., Zoology
Winans, E. V., PH.D., Anthropology
Winter, D. F., PH.D., Oceanography
Woods, S. C., PH.D., Psychology
Worcester, D. A., PH.D. Economics
Wylie, T. V., PH.D., Asian Languages and Literature and International Studies
Yamamura, K., PH.D., International Studies
Yantis, P. A., M.A., PH.D., Speech and Hearing Sciences
Yerxa, F. W., A.B., Communications
Young, K. K., PH.D., Physics
Ziadeh, F. J., LL.D., Near Eastern Languages and Literature
Zsigmondy-Liedemann, D., Baccalaureate, Music

School of Business Administration:

Alberts, W. W., M.A., PH.D., Finance, Business Economics and Quantitative Methods
Berg, K., M.S., PH.D., C.P.A., Accounting
Bourqe, P. J., M.A., PH.D., Finance, Business Economics and Quantitative Methods
Chiu, J. S. Y., M.S., PH.D., Finance, Business Economics and Quantitative Methods
D'Ambrosio, C. A., PH.D., Finance, Business Economics
DeCoster, D. T., PH.D., Accounting
Etcheson, W. W., M.A., PH.D., Marketing
Fiedler, F. E., PH.D., Management and Organization, Psychology
French, W. L., M.P.S., D.ED., Management and Organization
Goldberg, L. D., J.D., Business, Government and Society
Hanson, K. O., M.S., PH.D., Accounting
Harder, V. E., M.A., PH.D., Marketing
Hart, D. K., PH.D., Business, Government and Society
Henning, C. N., M.A., PH.D., Finance, Business Economics and Quantitative Methods
Henning, D. A., M.B.A., PH.D., Management and Organization
Johnson, D. W., PH.D., Finance, Business Economics and Quantitative Methods
Johnson, R. A., M.B.A., D.B.A., Management and Organization
Kast, F. E., M.B.A., D.B.A., Management and Organization
King, B. F., Jr., M.B.A., PH.D., Finance, Business Economics and Quantitative Methods
Knowles, H. P., Jr., PH.D., Management and Organization
Knudson, H.R., M.B.A., D.B.A., Management and Organization
Kolde, E. J., D.H.S., M.A., D.B.A., Marketing, Transportation and International Business
Le Breton, P. P., M.B.A., PH.D., Management and Organization
Lessinger, J., PH.D., Business, Government and Society
Marcus, S., M.B.A., LL.B., D.B.A., Business, Government and Society
Meier, R. C., M.A., PH.D., Management and Organization
Mitchell, T. R., PH.D., Management and Organization
Monsen, R. J., PH.D., Business, Government and Society
Mueller, F. J., M.A., PH.D., Accounting
Mueller, G. G., M.B.A., PH.D., Accounting
Narver, J. C., PH.D., Marketing, Transportation and International Business
Newell, W. T., M.B.A., PH.D., Management and Organization
Page, A. N., M.B.A., PH.D., Finance, Business Economics and Quantitative Methods
Rosenzweig, J. E., M.B.A., PH.D., Management and Organization
Schall, L. D., PH.D., Finance, Business Economics and Quantitative Methods
Schrieber, A. N., M.B.A., Management and Organization
Saxberg, B. O., M.S., PH.D., Management and Organization
Scott, R. H., M.A., PH.D., Finance, Business Economics and Quantitative Methods
Scott, W. G., M.S.I.R., D.B.A., Management and Organization
Seyfried, W. R., Jr., D.B.A., Business, Government and Society, Urban Planning
Spratlen, T. H., PH.D., Marketing, Transportation and International Business
Summer, C. E., M.B.A., PH.D., Management and Organization

Sutermeister, R. A., M.A., Management and Organization
Vesper, K. H., M.B.A., PH.D., Management and Organization and Mechanical Engineering
Wagner, L. C., B.B.A., M.A., Marketing, Transportation and International Business
Walker, L. M., M.B.A., C.P.A., Accounting
Wheatley, J. J., PH.D., Marketing, Transportation and International Business

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Kaltsounis, T., PH.D.
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Bergseth, F. R., S.M. IN E.E., Electrical Engineering
Bjorkstam, J. L., M.S. IN E.E., PH.D., Electrical Engineering
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Carlson, F. P., PH.D., Electrical Engineering
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Christiansen, W. H., M.S.A.E., PH.D., Aeronautics and Astronautics
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Clark, R. N., M.S., Electrical Engineering
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Dow, D. G., M.S., PH.D., Electrical Engineering
Dunn, W. L., M.P.H., Civil Engineering
Elias, Z. M., SC.D., Civil Engineering
Emery, A. F., M.S. PH.D., Mechanical Engineering
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Fyfe, I. M., M.ME., PH.D., Aeronautics and Astronautics
Ganzer, V. M., B.A., B.S. IN A.E., Aeronautics and Astronautics
Gardner, H. S., S.M., SC.D., Chemical Engineering and Forest Resources
Garlid, K. L., PH.D., Chemical and Nuclear Engineering
Gessner, F., PH.D., Mechanical Engineering
Golde, H., M.S., PH.D., Computer Science
Guilford, E. C., M.A., PH.D., Electrical Engineering
Hammer, V. B., B.S. IN C.E., M.S., Civil Engineering
Hartz, B. J., M.S., PH.D., Civil Engineering
Hawkins, N. M., M.S., PH.D., Civil Engineering
Heideger, W. J., PH.D., Chemical Engineering
Hertzberg, A., M.A., Aeronautics and Astronautics
Hoffman, A. S., M.S., SC.D., Chemical Engineering and Bioengineering
Holden, A., PH.D., Electrical Engineering
Horwood, E. M., M.S., PH.D., Civil Engineering and Urban Planning
Hsu, C.-C., PH.D., Electrical Engineering
Hutchinson, T. E., PH.D., Bioengineering and Chemical Engineering
Ishimaru, Akira PH.D., Electrical Engineering
Johanson, L. N., M.S., PH.D., Chemical Engineering
Johnson, D. L., PH.D., Electrical Engineering
Joppa, R. G., M.S., Aeronautics and Astronautics
Kehl, T. H., PH.D., Physiology and Biophysics and Computer Science
Kevorkian, J. K., PH.D., Aeronautics and Astronautics
Kippenham, C. J., M.S.M.E., PH.D., Mechanical Engineering
Kobayashi, A. S., M.S., PH.D., Mechanical Engineering
Lauritzen, P. O., M.S., PH.D., Electrical Engineering
Leahy, J. T., M.A., Humanistic-Social Studies
Lewis, L. J., PH.D., Electrical Engineering
Love, W. J., PH.D., Mechanical Engineering
Lytle, D. W., M.S., PH.D., Electrical Engineering
McCarthy, J. L., M.S., PH.D., Chemical Engineering and Forestry Resources
McCormick, N. J., PH.D., Nuclear Engineering
McFeron, D. E., M.S. IN M.E., PH.D., Mechanical Engineering
Mar, B. W., M.S., PH.D., Civil Engineering and Environmental Studies
Mattock, A. H., M.SC., PH.D., Civil Engineering
Meditch, J. S., PH.D., Electrical Engineering
Merchant, H. C., S.M., PH.D., Mechanical Engineering
Morrison, J. B., M.S. IN M.E., Mechanical Engineering
Moulton, R. W., M.S. IN CH.E., PH.D., Chemical Engineering
Mueller, J. I., PH.D., Mining, Metallurgical and Ceramic Engineering
Murphy, S. R., B.A., PH.D., Mechanical Engineering, Oceanography
Nece, R. E., M.S., SC.D., Civil Engineering
Noe, J. D., PH.D., Computer Science
Noges, E., M.S., PH.D., Electrical Engineering
Oates, G. C., PH.D., Aeronautics and Astronautics
Parmeter, R. R., PH.D., Aeronautics and Astronautics
Pearson, C. E., PH.D., Mathematics, Aeronautics and Astronautics
Peden, Irene, PH.D., Electrical Engineering
Polonis, D. H., M.A.SC., PH.D., Mining, Metallurgical and Ceramic Engineering
Reynolds, D. K., M.A., PH.D., Electrical Engineering
Ribe, F. L., PH.D., Nuclear Engineering
Richey, E. P., M.S., PH.D., Civil Engineering
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Vlases, G. C., m.s., ph.d., Nuclear Engineering
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Vice-President for Business and Financial Affairs: Donald H. Cole.
Vice-President for Student Affairs: Thomas E. Quinlan.
Librarian: Dr. W. R. Lawyer.

Library of 450,000 vols.

Number of teachers: 495.
Number of students: 9,200.

WHITMAN COLLEGE
BOYER AVE., WALLA WALLA,
WASHINGTON 99362

Telephone: (509) 527-5111.

Founded 1859.

President: Robert A. Skotheim.
Registrar: R. Polzin.
Librarian: A. D. Jonish.

The library contains 266,227 vols.
Number of teachers: 79 full-time.
Number of students: 1,067.

WHITWORTH COLLEGE
SPOKANE, WASHINGTON 99251

Telephone: (509) 466-1000.

Founded 1890.

President: Dr. Edward B. Lindaman.
Vice-President, Academic Affairs: Dr. Duncan S. Ferguson.
Librarian: Dr. Ralph W. Franklin.

The library contains 74,145 vols.
Number of teachers: 74.
Number of students: 1,350.

WEST VIRGINIA

ALDERSON-BROADDUS COLLEGE
PHILIPPI, WEST VIRGINIA 26416

Telephone: (304) 457-1700.

Founded 1871.

Academic year: September to July (four terms).

President: Dr. Richard E. Shearer, M.A., Ed.D., D.D., LL.D., H.H.D.
Vice-President for Academic and Related Affairs: W. C. Johnson.
Dean of Instruction: Robert V. Digman.
Dean of Students: I. Jean Fenstermacher.
Business Manager: L. V. Lobello.
Registrar: Martha Rose Roy.
Director of Admissions: Kenneth H. Yount.
Librarian: Barbara A. Ivy.

The library contains 78,000 vols.

Number of teachers: 66 full-time, 28 part-time.

Number of students: 971.

BETHANY COLLEGE
BETHANY,
WEST VIRGINIA 26032

Founded 1840.

President: William E. Tucker.
Vice-President and Director of Development: R. A. Sandercox.
Dean of Faculty: W. Daniel Cobb III.
Dean of Students: John S. Cunningham.
Treasurer and Business Manager: J. A. Graham.
Registrar: J. M. Kurey.
Librarian: L. J. Frye.

The library contains 138,000 vols.
Number of teachers: 63.
Number of students: 931.

Publications: *The Harbinger, The Bethanian* (annually), *Tower* (weekly), *Bethany College Bulletin*† (quarterly).

BLUEFIELD STATE COLLEGE

BLUEFIELD,
WEST VIRGINIA 24701
Telephone: 325-7102.
Founded 1895.

President: WILLIAM BROTHERS (acting).
Registrar: JAMES BRANSCOME, M.A.
Librarian: JANET HARVEY, M.L.S.

The library contains 100,000 vols.
Number of teachers: 67.
Number of students: 2,401.

CONCORD COLLEGE

ATHENS, WEST VIRGINIA 24712
Telephone: (304) 384-3115.
Founded 1872.

President: Dr. M. N. FREEMAN, ED.D.
Dean of Faculty: CRAIG D. WILLIS.
Registrar: N. PRICE.
Librarian: MICHAEL B. PATE.

The library contains 130,000 vols.
Number of teachers: 81.
Number of students: *c.* 1,700.

DAVIS AND ELKINS COLLEGE

ELKINS,
WEST VIRGINIA 26241
Telephone: 636-1900.
Founded 1904.

President: GORDON E. HERMANSON
Vice-President and Dean of the Faculty: MARGARET P. GODDIN.
Vice-President for Business Affairs: HARRY THOMPSON.
Vice-President for Development: NEVIN E. KENDELL.
Vice-President for Student Affairs: GUY SIEVERT.
Director of Admissions: BLAINE STEENSLAND.
Registrar: JOHN NEILL.
Director of the Library: DOUGLAS D. OLESON.

The library contains 80,000 vols.
Number of teachers: 53 full-time, 29 part-time.
Number of students: 970.

FAIRMONT STATE COLLEGE*

FAIRMONT,
WEST VIRGINIA 26554
Telephone: Fairmont 363-4000.
Founded 1867.

President: WENDELL G. HARDWAY.
Registrar: OTIS H. MILAM, Jr.
Librarian: Mrs. JOSEPHINE L. ROSIER.

The library contains 72,000 volumes.
Number of teachers: 150.
Number of students: 5,072.

* No reply received to our questionnaire this year.

GLENVILLE STATE COLLEGE

GLENVILLE, WEST VIRGINIA 26351
Telephone: (304) 462-7361.
Founded 1872.

President: Dr. WILLIAM K. SIMMONS.
Dean of Academic Affairs: Dr. JAMES W. PETERSON.
Librarian: DAVID M. GILLESPIE.

The library contains 96,000 vols.
Number of teachers: 89.
Number of students: 1,777.

MARSHALL UNIVERSITY

HUNTINGTON,
WEST VIRGINIA 25701
Telephone: (304) 696-3170.
Founded 1837.

President: Dr. ROBERT B. HAYES.
Executive Vice-President: Dr. OLEN E. JONES, Jr.
Vice-President, Administration: KARL J. EGNATOFF.
Vice-President, Academic Affairs: Dr. NOEL J. RICHARDS.
Vice-President, Financial Affairs: JOSEPH C. PETERS.
Vice-President for Student Affairs: Dr. R. G. FISHER.
Vice-President, Medical School: Dr. ROBERT W. COON.
Vice-President, Community College: Dr. PAUL HINES.
Director, Athletics: J. MCMULLEN.
Director of Institutional Research: Dr. JAMES O. NICHOLS.
Director of Libraries: Dr. KENNETH T. SLACK.
Director of Information: C. T. MITCHELL.

DEANS:

College of Education: Dr. PHILIP J. RUSCHE.
College of Liberal Arts: Dr. G. HARBOLD.
College of Business: Dr. SARA ANDERSON.
College of Science: Dr. E. S. HANRAHAN.
Graduate School. Dr. PAUL STEWART.

The library contains 315,000 vols.
Number of teachers: 385 full-time.
Number of students: 11,221.

MORRIS HARVEY COLLEGE

2300 MacCORKLE AVE. S.E.,
CHARLESTON,
WEST VIRGINIA 25304
Telephone: 346-9471.
Founded 1888.

President: THOMAS G. VOSS.
Dean: FRANK W. BADGER.
Director of Admissions: HANK ADAMS.
Librarian: RONALD POWELL.

The library contains 80,450 vols.
Number of teachers: 88 full-time.
Number of students: 1,041 full-time.

SALEM COLLEGE

SALEM, WEST VIRGINIA 26426
Telephone: (304) 782-5011.
Founded 1888.

President: DALLAS B. BAILEY, Jr.
Dean of the College: RONALD O. CHAMPAGNE.
Registrar: D. K. ZWIEBEL.
Librarian: MYRON J. SMITH.

The library contains 100,000 vols.
Number of teachers: 73 full-time and 12 part-time.
Number of students: 1,350.

SHEPHERD COLLEGE

SHEPHERDSTOWN,
WEST VIRGINIA 25443
Telephone: (304) 876-2511.
Founded 1871.

President: Dr. JAMES A. BUTCHER.
Dean: GEORGE A. CONDON.
Librarian: F. MILLER.

The library contains 113,000 vols.
Number of teachers: 106.
Number of students: 2,600.

WEST LIBERTY STATE COLLEGE

WEST LIBERTY,
WEST VIRGINIA 26074
Telephone: (304) 336-5000.
Founded 1837.

President: Dr. JAMES L. CHAPMAN.
Director of College Relations and Alumni Affairs: C. F. BEALL.
Registrar and Director of Admissions: E. N. CAIN.
Librarian: D. R. STRONG.

The library contains 160,000 vols.
Number of teachers: 170.
Number of students: 2,708.

WEST VIRGINIA INSTITUTE OF TECHNOLOGY

MONTGOMERY,
WEST VIRGINIA 25136
Telephone: (304) 442-3071.
Founded 1895.

President: Dr. LEONARD C. NELSON.
Registrar: ELVIN E. DILLON.
Director of Admissions: ROBERT P. SCHOLL, Jr.
Librarian: V. C. YOUNG.

The library contains 120,000 vols.
Number of teachers: 150.
Number of students: 3,043.

WEST VIRGINIA STATE COLLEGE

INSTITUTE,
WEST VIRGINIA 25112

Founded 1891 as a land-grant college by West Virginia Legislature.

President: HAROLD M. MCNEILL, PH.D.
Provost for Academic Affairs: FLOYDELH ANDERSON, D.ED.
Director of Fiscal Affairs: ARTHUR ASHTON.
Co-ordinator of Recruitment: CALVIN L. BAILEY.

Director of Admissions and Recruitment: John L. Fuller.
Provost for Student Affairs: Curt Hoffman.
Librarian: J. E. Scott.

The library contains 155,400 vols.

Number of teachers: 137 full-time, 49 part-time.

Number of students: 4,000.

WEST VIRGINIA UNIVERSITY

MORGANTOWN,
WEST VIRGINIA 26506

Founded 1867.

President: Gene A. Budig, Ed.D.
Vice-President for Academic Affairs: R. E. Nelson, Ph.D.
Vice-President for Administration: R. M. Haas, D.B.A.
Vice-President and Provost for Academic Affairs: J. Barton II, Ph.D.
Vice-President for Energy Studies, Research and Graduate Programs: R. Koppelman, Ph.D.
Vice-President for Health Sciences: C. E. Andrews, M.D.
Dean of Admissions and Records: J. Brisbane, Ed.D.
Dean of Library Services: R. F. Munn, Ph.D.

The library contains 870,794 vols. and 57,803 microfilms.

Number of teachers: 1,193 full-time.

Number of students: 21,565.

Publications: *Victorian Poetry, West Virginia Agriculture and Forestry, West Virginia University Magazine, Alumni Magazine, Small Business Management Journal, West Virginia University Alumni Quarterly.*

Deans:

College of Agriculture and Forestry: Dale Zinn, Ph.D.
Center for Extension and Continuing Education: Ronald Stump, M.S.
College of Arts and Sciences: William Collins, Ph.D.
College of Business and Economics: J. T. Turner, D.B.A.
Creative Arts Center: Gilbert Trythall, D.M.A.
School of Dentistry: W. R. Biddington, D.D.S.
College of Engineering: Bill Atchley, Ph.D.
Graduate School: S. Wearden, Ph.D.
College of Human Resources and Education: W. G. Monahan, Ed.D.
School of Journalism: G. H. Stewart, Ph.D.
College of Law: Henry D. Collins, LL.M. (acting).
School of Medicine: J. E. Jones, M.D.
College of Mineral and Energy Resources: J. H. Kelley, Ph.D.
School of Nursing: Lorita D. Jenab, Ed.D.
School of Pharmacy: L. A. Luzzi, Ph.D.
School of Physical Education: C. P. Yost, Ph.D.
School of Social Work: Anita S. Harbert, Ph.D.

WEST VIRGINIA WESLEYAN COLLEGE

BUCKHANNON,
WEST VIRGINIA 26201

Founded 1890.

President: Fred E. Harris.
Chairman of the Board of Trustees: H. A. Latimer.
Secretary of the Board of Trustees: Rev. Robert A. Chandler.
Vice-President for Academic Affairs and Dean of the College: William H. Capitan.
Vice-President for Administrative Affairs: Patton L. Nickell, Jr.

The library contains 116,000 vols.

Number of teachers: 127.

Number of students: 1,760.

Publications: *College Bulletin, Sundial, Murmurmontis.*

WHEELING COLLEGE

WHEELING,
WEST VIRGINIA 26003

Founded 1954.

President: Rev. Charles L. Currie, S.J.
Academic Dean: Daniel A. Felicetti.
Dean of Student Affairs: (vacant).
Business Manager: Sheldon Berk.
Director of Admissions: William J. Pearl.
Director of Public Relations: Arlene H. Houser.
Registrar: Katherine L. McCready.
Librarian: Eileen R. Carpino.

Number of students: 1,041.

WISCONSIN

ALVERNO COLLEGE

3401 SOUTH 39 STREET,
MILWAUKEE, WISCONSIN 53215

Telephone: 671-5400.

Founded 1887.

President: Joel Read.
Vice-President for Academic Affairs and Dean of College: Robert G. Pitman.
Vice-President for Administrative Affairs: Daniel C. Corrigan.
Registrar: Madeline Meyer.
Director of Admissions: Kathy Gigl.
Director of Library/Media Center: Jan Kennedy.

The library contains 116,000 vols.

Number of teachers: 71 full-time, 33 part-time.

Number of students: 535 full-time, 322 part-time.

BELOIT COLLEGE

BELOIT, WISCONSIN 53511

Chartered 1846.

President: Martha Peterson, Ph.D.
Provost: Zeddie Bowen, Ph.D.
Vice-President for Administration: Erwin F. Zuehlke.
Dean of Students: G. Gregory Fahlund.

The library contains 225,000 vols.

Number of teachers: 80.

Number of students: 1,000

Publications: *The Round Table* (weekly), *Avatar* (annual), *Beloit Magazine* (quarterly).

CARDINAL STRITCH COLLEGE

6801 N. YATES ROAD,
MILWAUKEE, WISCONSIN 53217

Telephone: (414) 352-5400.

Founded 1937.

President: Sister M. Camille Kliebhan, O.S.F.
Registrar: Sister Frances Marie DeLany, O.S.F.
Librarian: Sister Colette Zirbes, O.S.F.

The library contains 94,000 vols.

Number of teachers: 101.

Number of students: 1,300.

CARROLL COLLEGE

WAUKESHA, WISCONSIN 53186

Telephone: (414) 547-1211.

Founded 1846.

President: R. V. Cramer, Ph.D.
Vice-President for Academic Affairs: Morris N. Spencer, Ph.D.
Vice-President for Business and Finance: Jon Groteluschen.
Vice-President for Development: James O. Avison.
Vice-President for Student Services: R. E. Buzza, D.D.

The library contains 146,000 vols.

Number of teachers: 100.

Number of students: 1,250.

Publications: *Carroll College Catalog*†, *The Annual Report*†, *The Quarterly Report*†.

EDGEWOOD COLLEGE

855 WOODROW ST., MADISON,
WISCONSIN 53711

Telephone: (608) 257-4861.

Founded 1927.

Four-year liberal arts college; co-educational.

President: Sister Alice O'Rourke, O.P.
Registrar: Sister Dolores Grasse.
Academic Dean: Sister Marian Harty.
Librarian: Sister Mary Jerome Heyman, O.P.

The library contains 77,600 vols.

Number of teachers: 57.

Number of students: 600.

LAKELAND COLLEGE

SHEBOYGAN, WISCONSIN 53081

Telephone: (414) 565-1295.

Founded 1862.

President: Dr. Richard E. Hill.

Dean: Dr. Kurt H. Buerger.
Librarian: Linda Bendix.

The library contains 50,000 vols.

Number of teachers: 45.

Number of students: 600.

LAWRENCE UNIVERSITY

APPLETON, WISCONSIN 54912
Telephone: (414) 739-3681.

Founded 1847 as Lawrence College; University 1964.

President: T. S. Smith.
Vice-President for Academic Affairs: Richard Warch.
Vice-President for Campus Life: Deborah Townsend.
Registrar: Donald C. Rosenthal.
Librarian: D. N. Ribbens.

Number of teachers: 119, including 34 professors.

Number of students: 1,152.

Publications: *Bulletin*, *Annual Report*, etc.

Deans:

Conservatory: Colin Murdoch (acting).
Dean of Student Affairs: C. F. Lauter.

MARIAN COLLEGE OF FOND DU LAC

45 SOUTH NATIONAL AVE.,
FOND DU LAC, WISCONSIN 54935
Telephone: (414) 921-3900.

Founded 1936.

President: Dr. James M. Hanlon.
Dean of Admissions: Jerome Wiedmeyer.
Librarian: Sister Mary Patrick, C.S.A

The library contains 55,000 volumes.

Number of teachers: 64.

Number of students: 550.

MARQUETTE UNIVERSITY

MILWAUKEE, WISCONSIN 53233
Telephone: (414) 224-7302.

Founded 1864 as Marquette College; chartered as a university in 1907.

President: Rev. John P. Raynor, S.J., M.A., Ph.D.
Executive Vice-President: Quentin L. Quade, M.A., Ph.D.
Vice-Presidents: Rev. James B. Corrigan, S.J., Ph.L., M.A., S.T.B., R. O. Kallenberger, M.S., Edward D. Simmons, M.A., Ph.D., J. L. Sankovitz, M.S., J. J. Scott, M.A., Ed.D.
Registrar: R. S. Gawkoski, M.A., Ph.D.

Number of books in library: 600,000

Number of teachers: 740.

Number of students: 12,001.

Publications: *Marquette News and Views* (monthly), *Medieval Philosophical Texts and Translations* (irregularly), *Aquinas Lectures* (annually), *The Marquette Law Review* (quarterly), *The Marquette Journal* (6 times a year), *The Marquette Tribune* (twice weekly), *Renascence Magazine* (quarterly), *Marquette Today* (quarterly), *The Marquette Engineer* (quarterly).

Deans and Directors:

College of Business Administration: Thomas A. Bausch, D.B.A.
School of Dentistry: R. V. Brown, D.D.S., M.S.
Dental Hygiene Program: Tillie D. Ginsberg, D.H., B.A., M.Ed.
School of Education: R. B. Nordberg, Ed.D.
College of Engineering: R. J. Kipp, M.S., Ph.D.
Graduate School: John K. C. Oh, Ph.D.
College of Journalism: James F. Scotton, Ph.D.
Law School: R. F. Boden, J.D.
College of Liberal Arts: Rev. R. G. Gassert, S.J., S.T.D.
Medical Technology Program: Alice M. Semrad, M.S.
Physical Therapy Program: Richard Jensen, M.S., Ph.D.
College of Nursing: Sister M. Rosalie Klein, O.S.E., D.Sc.
School of Speech: A. L. Sokolnicki, M.A.
Summer Session and Continuing Education: W. T. Tracy, M.A., Ed.D.

MOUNT MARY COLLEGE

2900 NORTH MENOMONEE
RIVER PARKWAY,
MILWAUKEE, WISCONSIN 53222
Telephone: (414) 258-4810.

Founded 1913.

President: Sister Mary Nora Barber, Ph.D.
Academic Dean: Sister Ellen Lorenz, Ed.D.
Co-ordinator of Admissions: Sister Antony Mary Retinger, M.A.
Librarian: Sister Anne Lucy Hoffman, M.A.

The library contains 100,000 vols.

Number of teachers: 105.

Number of students: 1,102.

NORTHLAND COLLEGE

ASHLAND, WISCONSIN 54806
Telephone: 682-4531.

Founded 1892.

President: Malcolm McLean.
Director of Admissions and Records: R. P. Mackey.
Librarian: T. T. Surprenant.

The library contains 60,000 volumes

Number of teachers: 50.

Number of students: 748.

RIPON COLLEGE

RIPON, WISCONSIN 54971

Founded 1851.

President: Bernard S. Adams, Ph.D
Vice-President and Dean of the College: Douglas A. Northrop, Ph.D.
Librarian: W. R. Brandt, A.B., B.S.

The library contains 103,626 vols.

Number of teachers: 75, including 24 full professors.

Number of students: 540 men, 402 women, total 942.

Deans:

Admissions: Christopher M. Small, M.A.
Men: D. L. Harris, M.A., Litt.M.
Women: Helen I. Tuttle, Ed.D.

ST. NORBERT COLLEGE

DE PERE, WISCONSIN 54115
Telephone: (414) 336-3181.

Founded 1898.

President: N. J. Webb.
Dean of the College: Dr. Robert L. Horn.
Registrar: Jon Curtis.
Librarian: Eugene Bunker.

The library contains 114,000 vols.

Number of teachers: 85 full-time, 16 part-time.

Number of students: 1,500.

SILVER LAKE COLLEGE OF THE HOLY FAMILY

MANITOWOC, WISCONSIN 54220
Telephone: 684-6691.

Founded 1935.

President: Sister Anne Kennedy.
Registrar: Sister Janice Stingle.
Librarian: Sister Mary John Wood.

The library contains 54,000 volumes (approx.).

Number of teachers: 40 full-time.

Number of students: 328.

UNIVERSITY OF WISCONSIN SYSTEM

MADISON, WISCONSIN 53706

Founded 1848.

In 1971 the University of Wisconsin system merged with the Wisconsin State University system.

President: H. Edwin Young.
Senior Vice-President: Donald K. Smith.
Vice-President and Controller: Reuben Lorenz.
Vice-President for General Services: Robert W. Winter, Jr.
Provost for University Outreach: Wilson B. Thiede.

Number of students (all campuses): *c.* 146,500.

University Center System

Chancellor: Edward B. Fort.

Provides lower-division programmes (2-year) at 14 branch campuses.

Number of students: 8,599.

Deans:

Baraboo-Sauk County Campus: T. N. Savides.

Barron County Campus: JOHN MEGGERS.
Fond du Lac County Campus: W. HENKEN.
Fox Valley County Campus: R. JOHNSON.
Manitowoc County Campus: C. NATUNEWICZ.
Marathon County Campus: W. R. PETERS.
Marinette County Campus: W. A. SCHMIDTKE.
Marshfield-Wood County Campus: N. E. KOOPMAN.
Medford County Campus: D. SLOCUM.
Richland County Campus: M. WALLACE.
Rock County Campus: THOMAS WALTERMAN.
Sheboygan County Campus: K. BAILEY.
Washington County Campus: R. THOMPSON.
Waukesha County Campus: KENNETH D. OLIVER.

UNIVERSITY OF WISCONSIN—EAU CLAIRE

EAU CLAIRE, WISCONSIN 54701
Telephone: 836-2326.
Founded 1916.

Chancellor: Dr. LEONARD HAAS.
Assistant Chancellor for Administrative Services: J. BOLLINGER.
Assistant Chancellor for Development: C. BAUER.
Assistant Chancellor for Student Affairs: Dr. O. L. HARRY.
Registrar: J. H. DEAN.
Librarian: R. FETVEDT.

The library contains 559,513 vols.

Number of teachers: 660.

Number of students: 10,344.

DEANS:

School of Arts and Sciences: FREDERICK HAUG.
School of Graduate Studies: R. D. DICK.
School of Business: J. F. WENNER.
School of Education: R. H. JOHNSON.
School of Nursing: SUZANNE VAN ORT.

UNIVERSITY OF WISCONSIN EXTENSION

MADISON, WISCONSIN 53706

Chancellor and Vice-Provost: J. C. EVANS, PH.D.

DEANS:

Professional and Human Development: H. W. MONTROSS, PH.D.
Economic and Environmental Development: ROBERT E. RIECK, PH.D.
Educational Communications: L. F. LAMB, PH.D.
Urban Outreach: M. HABERMAN, PH.D.
Community Programs: MARVIN T. BEATTY, PH.D.

UNIVERSITY OF WISCONSIN—GREEN BAY

GREEN BAY, WISCONSIN 54302
Founded 1968.

Chancellor: Dr. EDWARD W. WEIDNER.
Assistant Chancellor: Dr. DONALD F. HARDEN.
Dean for Academic Affairs: Dr. GEORGE E. RUPP.

The library contains 350,896 vols., 200,000 government documents, etc.

Number of students: 3,642.

Publications: *UWGB Undergraduate Catalog* (every 2 years), *Inside UWGB* (2 a year).

UNIVERSITY OF WISCONSIN—LA CROSSE

1725 STATE STREET,
LA CROSSE, WISCONSIN 54601
Telephone: (608) 785-8000.
Founded 1909.

Chancellor: KENNETH E. LINDNER.
Vice-Chancellor: W. C. WIMBERLY.
Assistant Chancellor: DAVID R. WITMER.
Registrar: R. O. LEROY.
Director of Admissions: G. GRIMSLID.
Librarian: D. GRESSETH.

The library contains 491,000 vols.

Number of teachers: 440.

Number of students: 8,550.

Publication: *Voyages to the Inland Sea* (annually).

UNIVERSITY OF WISCONSIN—MADISON

MADISON, WISCONSIN 53706

Chancellor: IRVING SHAIN.
Vice-Chancellor for Academic Affairs: BRYANT KEARL.
Vice-Chancellor for Health Sciences: B. W. NELSON (acting).
Vice-Chancellor for Administration: LEN VAN ESS.
Registrar: T. H. HOOVER.
Director of Admissions: D. E. VINSON.
Director of Libraries: J. TREYZ.
Secretary of the Faculty: PETER BUNN.

Library: *see* Libraries.

Number of teachers: 2,207.

Number of students: 39,022.

DEANS:

College of Letters and Science: E. DAVID CRONON.
College of Engineering: W. R. MARSHALL.
College of Agriculture and Life Sciences: GLENN S. POUND.
School of Education: JOHN R. PALMER.
School of Business: ROBERT H. BOCK.
School of Pharmacy: G. ZOGRAFI.
Law School: ORRIN HELSTAD.
Medical School: ARNOLD L. BROWN.
School of Nursing: VALENCIA PROCK.
Graduate School: R. M. BOCK.
School of Veterinary Medicine: B. C. EASTERDAY (acting).
School of Allied Health Professions: JOHN L. PETERSON.
School of Family Resources and Consumer Sciences: ELIZABETH J. SIMPSON.

Institute for Environmental Studies: REID A. BRYSON (Director).
Summer Sessions: C. A. SCHOENFELD (Director).

UNIVERSITY OF WISCONSIN—MILWAUKEE

MILWAUKEE, WISCONSIN 53201.

Chancellor: WERNER A. BAUM, PH.D.
Vice-Chancellor: W. L. WALTERS, PH.D.
Assistant Chancellors: FRANK A. CASSELL, GILBERT L. LEE, Jr., ERNEST SPAIGHTS.

Number of teachers: 938 full-time, 228 part-time.

Number of students: 24,300.

DEANS AND DIRECTORS:

Graduate School: GEORGE W. KEULKS, PH.D.
College of Letters and Science: WILLIAM F. HALLORAN, PH.D.
School of Allied Health Professions: ALAN J. WESTON.
School of Architecture and Urban Planning: ANTHONY J. CATANESE, PH.D.
School of Education: MICHAEL STOLEE.
School of Fine Arts: ROBERT W. CORRIGAN, PH.D.
College of Engineering and Applied Science: FRED LANDIS, PH.D.
School of Social Welfare: GREGORY M. ST. L. O'BRIEN, PH.D.
School of Business Administration: ERIC SCHENKER, PH.D.
School of Nursing: MARY E. CONWAY, PH.D.
School of Library Science: FREDERICK I. OLSON (acting).
Division of Urban Outreach: MARTIN HABERMAN.
Director of Libraries: W. C. ROSELLE, M.S.
Student Services: ERNEST SPAIGHTS, PH.D.
Director of Admissions: FREDERICK E. SPERRY.
Director of Registration and Records: V. M. ALLISON, M.A.

PROFESSORS:

ADERMAN, R. M., PH.D., English
ALDRICH, R., PH.D., English
BACON, V. W., B.S., Civil Engineering
BAGEMIHL, F., M.A., Mathematics
BAHE, L. W., PH.D., Chemistry
BAKER, G., PH.D., Materials Engineering
BARNOUW, V., PH.D., Anthropology
BARON, A., PH.D., Psychology
BASILE, A., B.M., Music
BAUM, W. A., PH.D., Geography
BAUMANN, CAROL, PH.D., Political Science
BAXTER, J. W., PH.D., Botany
BECK, C., PH.D., Education
BECKER, A. P., PH.D., Economics
BECKLEY, R. M., M.ARCH., Architecture
BEIMBORN, E., PH.D., Transportation
BERMAN, F., M.S., Applied Art
BESAG, F. P., PH.D., Education, Cultural Foundations
BESEL, M., M.ED., Engineering, Systems Design
BIBBY, J. F., PH.D., Political Science
BLAIR, F. X., PH.D., Exceptional Education

Blum, J. L., Ph.D., Botany
Blum, J. R., Ph.D., Mathematics
Blum, L. P., Ph.D., Educational Psychology
Boettcher, H. P., Ph.D., Electrical Engineering
Bontly, T. J., Ph.D., English
Borowiecki, B. Z., Ph.D., Geography
Boysen, J. H., M.S., Military Science
Brandt, W. J., Ph.D., Elementary Education
Bratanow, T., Ph.D., Engineering Mechanics
Brown, A. T., Ph.D., History and Urban Affairs
Brundage, J. A., Ph.D., History
Burke, Virginia M., Ed.D., English
Burkert, R., M.S., Art
Callaway, R. L., Ed.D., Education
Carozza, D. A., Ph.D., Comparative Literature
Catanese, A. J., Urban Planning
Chang, Y. A., Ph.D., Materials Engineering
Chilman, C., Ph.D., Social Welfare
Chow, Y., Ph.D., Physics
Christman, W., Jr., M.S., System Design
Colt, J., M.S., Art
Conway, M. E., Ph.D., Nursing
Cook, B. B., Ph.D., Political Science
Corre, A., Ph.D., Hebrew Studies
Corrigan, R. W., Ph.D., Theatre
Costello, R. L., Ph.D., Botany
Cotter, C., Ph.D., Political Science
Crane, W., Ph.D., Political Science
Creighton, H. E., J.D., Nursing
Cummings, R., Ph.D., Education, Cultural Foundations
Cutler, V., Ph.D., Engineering Mechanics
de Lauretis, T. M., D.L.M., French and Italian
Dennis, E., M.A., Theatre Arts
Downey, J. W., Ph.D., Music
Desalvo, J. S., Ph.D., Economics
Dunleavy, G. W., Ph.D., English
Downing, W. E., M.S.S., Social Work
Dunlop, D. W., Ph.D., Botany
Edwards, C., Ph.D., Geography
Eidt, R., Ph.D., Geography
Eisman, E., Ph.D., Psychology
Elliott, G. W., D.B.A., Economics
Earnest, J., M.F.A., Art
Elmergreen, G. M., M.S., Electrical Engineering
Emerson, D. C., Ph.D., English
Ernst, D. J., Ph.D., History
Feller, E., Ph.D., Mathematics
Fenske, R., Ph.D., Business Administration
Ficken, M., Ph.D., Zoology
Filips-Juswigg, K. P., Ph.D., Slavic Languages
Fitzpatrick, K. E., M.A., Nursing
Flynn, G., Ph.D., Spanish and Portuguese
Fowler, M. L., Ph.D., Anthropology
Friedman, M. J., Ph.D., Comparative Literature and English
Gerwin, D., Ph.D., Business Administration
Gleason, G. T., Ph.D., Educational Psychology
Glickman, D. H., M.S., Architecture
Gorton, R. A., Ed.D., Education, Administrative Leadership
Greenbaum, S., Ph.D., English
Greene, V. R., Ph.D., English
Greenfield, S., Ph.D., Sociology
Greenler, R., Ph.D., Physics
Greer, S., Ph.D., Sociology and Urban Affairs
Griskey, R. G., Ph.D., Energetics
Guerinot, J., Ph.D., English
Gundersen, R. M., Ph.D., Mathematics
Haberman, M., Ed.D., Education
Haberstroh, C., Ph.D., Political Science
Hagen, W. W., LL.B., Business Administration
Hagensick, C., Ph.D., Political Science
Hall, N., Ph.D., Sociology
Halloran, W. F., Ph.D., English
Haney, R. E., Ph.D., Education
Harmon, L., Ph.D., Educational Psychology
Hassan, I., Ph.D., English and Comparative Literature
Hawkins, B., Ph.D., Political Science
Hay, J. C., Ph.D., Psychology
Healy, D. F., Ph.D., History
Hedlund, R. D., Ph.D., Political Science
Hellawell, A., Ph.D., Materials Engineering
Helton, T., Ph.D., English
Hernandez, J., Ph.D., Sociology
Hickman, R., M.Ed., Art
Hill, R., Ph.D., Mass Communication
Hinsvark, I., Ed.D., Nursing
Hollander, J., D.M.A., Music
Holzner, L., Ph.D., Geography
Horsman, R., Ph.D., History
Huber, C., Ph.D., Chemistry
Huber, M., Ph.D., Urban Affairs
Hull, D. L., Ph.D., Philosophy
Hunt, W., Ed.D., Education, Curriculum and Instruction
Hutchinson, G. K., Ph.D., Business Administration
Ingle, R. B., Ph.D., Education
James, B. J., Ph.D., Anthropology
Jayadev, T. S., Ph.D., Electrical Engineering
Johnson, B. S., Social Welfare
Johnson, K. G., Ph.D., Mass Communication
Karadi, G., Ph.D., Civil Engineering
Kaufman, A., Ph.D., Psychology
Keulks, G. W., Ph.D., Chemistry
Khatchadourian, H., Ph.D., Philosophy
Khavari, K. A., Ph.D., Psychology
Kirk, S. A., Social Welfare
Koch, G. H., Ph.D., Chemistry
Kovacic, P., Ph.D., Chemistry
Kramer, P., M.M., Music
Kristenson, A., Social Welfare
Krueger, E., Ed.D., Nursing
Kurz, M., M.A., Social Welfare
Lacktman, M., M.F.A., Art
Landis, F., Sc.D., Energetics
Lang, N. M., Ph.D., Nursing
Larson, R. G., Ph.D., Education
Lasca, N. P., Ph.D., Geology
Layde, D. C., Ph.D., Chemistry
Lee, T. H., Ph.D., Economics
Leer, J. A., M.B.A., Commerce, Accounting
Leutenegger, R., Ph.D., Speech Pathology and Audiology
Levine, L., Ph.D., Electrical Engineering
Levy, M., Ph.D., Physics
Lichtman, D., Ph.D., Physics
Lindemann, A. J., M.S.I.E., Business Administration
Lingren, R., Ph.D., Educational Psychology
Loewenberg, J. R., Ph.D., Botany
Loft, A., Ph.D., Music
Lurie, M., Ph.D., Economics
Lydolph, P. E., Ph.D., Geography
McDivitt, M., Ph.D., Home Economics
McLaughlin, T. J., Ph.D., Communication
McMillan, J. E., Ph.D., Mathematics
McNally, H. J., Ph.D., Educational Administration and Supervision
McQuistan, R. B., Ph.D., Physics
Madison, H. L., Ph.D., Psychology
Maksud, M., Ph.D., Physical Education
Mamalakis, M., Ph.D., Economics
Mangiamele, J. F., Ph.D., Urban Affairs
Martin, J. M., Ph.D., Physics
Mayer, H. M., Ph.D., Geography
Meyer, M. D., Ph.D., French and Italian
Miller, D., Ph.D., Geography
Miller, M. E., Ph.D., Psychology
Miller, M. H., Ph.D., Communication
Miller, N., Ph.D., History
Moore, J., Ph.D., Sociology
Mortimer, C. H., Ph.D., Zoology
Mursky, G., Ph.D., Geological Sciences
Murvar, V., Ph.D., Religious Studies, Sociology
Muskatevc, L., M.M., Music
Myers, O., Ph.D., Spanish and Portuguese
Nelson, Katherine, Ph.D., Geology
Noel, D. L., Ph.D., Sociology
Norden, C. R., Ph.D., Zoology
O'Brien, G. M. St. L., Ph.D., Social Welfare
Olson, F. I., Ph.D., History
Olson, J. L., Ed.D., Exceptional Education
Ong, J., Jr., Ph.D., Materials Engineering
Palen, J. J., Ph.D., Sociology
Parker, L. E., Ph.D., Physics
Patrick, J. M., Ph.D., English
Paull, R. A., Ph.D., Geology
Perlman, R. W., Ph.D., Economics
Pesek, B., Ph.D., Economics
Phillabaum, C. E., Ph.D., Theatre Arts
Pincus, H., Ph.D., Geological Sciences
Pirie, R. G., Ph.D., Geology
Porter, J. J., Ph.D., Psychology
Press, N., Ph.D., Zoology
Rapoport, A., Ph.D., Architecture and Anthropology
Rathsack, L., B.S., Art
Rauscher, G., Ph.D., German
Rayms, W., Ph.D., Management Research
Replogle, J., Ph.D., English
Robinson, R., Ph.D., Education
Roeming, R. F., Ph.D., French and Italian
Rose, H., Ph.D., Geography and Urban Affairs
Rubin, E. L., Ph.D., Music
Sable, M. H., Library Science
Salamun, P. J., Ph.D., Botany
Salotti, C. A., Ph.D., Geological Science
Samore, T., Library Science
Sankar, U., Ph.D., Economics
Schellin, R., M.S., Art
Schenk, Q. F., Ph.D., Social Work
Schenker, E., Ph.D., Economics
Schmandt, H. J., Ph.D., Political Science
Schoeller, A. W., Ph.D., Elementary Education
Schroedter, H., M.S., Art
Schur, L. M., Ph.D., Economics and Education
Screven, C. G., Ph.D., Psychology
Shah, V. L., Ph.D., Energetics
Shea, D. R., Ph.D., Political Science
Sherman, D., Ph.D., Civil Engineering
Shurman, M. M., Ph.D., Physics
Siebring, B. R., Ph.D., Chemistry
Silverberg, J., Ph.D., Anthropology
Skoller, D., Ph.D., Film
Slesinger, J., Ph.D., Social Work
Smith, D. K., Ph.D., Communication
Smith, W. H., Ph.D., Art
Snavely, J., M.M., Music
Sosnovsky, G., Ph.D., Chemistry
Spaights, E., Ph.D., Education
Spitzbart, A., Ph.D., Mathematics
Staats, G. W., Ph.D., Electrical Engineering
Stagakis, G., Ph.D., History
Stampfl, T., Ph.D., Psychology
Starbuck, W. H., Ph.D., Business Administration
Stearns, F., Ph.D., Botany
Stewig, J., Ph.D., Education
Stillman, D., Ph.D., Art History
Stolee, M. J., Ph.D., Education
Stone, R. K., Ph.D., English
Stromberg, R., Ph.D., History
Suarez-Murias, M. C., Ph.D., Spanish and Portuguese
Suchy, G., M.M., Music
Summers, M., Ph.D., Political Science

Suppan, A. A., ph.d., Philosophy, English
Swanson, R., ph.d., Classics
Tappen, N. C., ph.d., Anthropology
Tessler, M. A., ph.d., Political Science
Teter, J. W., ph.d., Social Work
Trattner, W. I., ph.d., History
Trotter, A., ph.d., Educational Psychology
Tsao, K. C., ph.d., Energetics
Turner, R. K., Jr., ph.d., English
Ullman, P., ph.d., Spanish and Portuguese
Vairavan, K., ph.d., Electrical Engineering
Van Atta, R. E., ph.d., Education
Wade, J. W., m.arch., Architecture
Walter, G. G., ph.d., Mathematics
Walters, W. L., ph.d., Physics
Walton, T., ph.d., Education
Walzl, Florence, ph.d., English
Warren, R., ph.d., Zoology
Warren, R. M., ph.d., Psychology
Weber, C. E., ph.d., Business Administration
Weise, C. M., ph.d., Zoology
Wellin, E., ph.d., Anthropology
Whitford, K., m.a., English
Whitford, P. B., ph.d., Botany
Willis, D. E., ph.d., Geological Sciences
Zahorik, J. A., ph.d., Education

UNIVERSITY OF WISCONSIN—OSHKOSH

800 ALGOMA BLVD.,
OSHKOSH, WISCONSIN 54901
Telephone: 424-1234.
Founded 1871.

Chancellor: Edward M. Penson.
Registrar: A. Lehman.
Librarian: Joseph Nitecki.

The library contains 611,835 vols.
Number of teachers: 524.
Number of students: 10,068.

Deans:

Graduate School: Laurine E. Fitzgerald.
College of Education: Charles W. Case.
College of Business Administration: Clifford E. Larson.
College of Letters and Science: William J. Leffin.
College of Nursing: Audrey Kachelski (acting).
Students: Edwin B. Smith.

UNIVERSITY OF WISCONSIN-PARKSIDE

KENOSHA, WISCONSIN 53141
Founded 1966.

Chancellor: Alan E. Guskin.
Vice-Chancellor: Lorman A. Ratner.
Assistant Chancellor for Educational Services: O. Clayton Johnson.
Assistant Chancellor for Administration and Fiscal Affairs: Gary G. Goetz.

The library contains 260,000 vols.
Number of students: 5,500.

UNIVERSITY OF WISCONSIN—PLATTEVILLE

PLATTEVILLE, WISCONSIN 53818
Telephone: 342-1100.
Founded 1866.

Chancellor: Warren Carrier.
Vice-Chancellor for Academic Affairs: Mervyn Cadwallader.
Assistant Chancellor for Business Affairs: F. Dunn.
Assistant Chancellor for Student Affairs: Dorothy E. Bell.
Assistant Vice-President: Ralph Curtis.
Registrar: V. Pagenkopf.
Director of Library: Jerome Daniels.

The library contains 195,000 vols.
Number of teachers: 354.
Number of students: 4,362 undergraduate, 246 graduate.

Deans:

College of Engineering: E. O. Busby.
College of Arts and Sciences: R. Bruce Crowell.
College of Agriculture: Charles de Nure.
College of Business, Industry and Communications: Kahtan Al Yasiri.
Graduate School and College of Education: Leonard J. Garside.
Dean of Students: L. Linden.
Associate Dean of Students: Nick Johansen.

UNIVERSITY OF WISCONSIN—RIVER FALLS

RIVER FALLS, WISCONSIN 54022
Telephone: 425-6701.
Founded 1874.
State control.

Chancellor: Dr. George R. Field.
Vice-Chancellor: R. J. Delorit.
Assistant Chancellor: Wayne Wolfe.
Dean of Students: W. Munns.
Registrar: M. Germanson.
Librarian: R. Cooklock.

The library contains 166,959 vols.
Number of teachers: 291.
Number of students: 5,022.

Deans:

College of Agriculture: J. C. Dollahon.
College of Arts and Sciences: R. D. Swenson.
College of Education: D. Brown.
Graduate School: P. Anderson.

UNIVERSITY OF WISCONSIN—STEVENS POINT

2100 MAIN ST., STEVENS POINT,
WISCONSIN 54481
Telephone: (715) 346-2123.
Founded 1894.

Chancellor: John B. Ellery (acting).
Vice-Chancellor: Burdette Eagon (acting).
Assistant Chancellor, University Services: David L. Coker.

The library contains 552,000 vols.
Number of teachers: 550.
Number of students: 8,900.

UNIVERSITY OF WISCONSIN—STOUT

MENOMONIE, WISCONSIN 54751
Telephone: (715) 235-5541.
Founded 1893.
State control; Academic year: August to May.

Chancellor: Dr. Robert Sterling Swanson.
Vice-Chancellor: Dr. Wesley Face.
Dean of Students: Samuel Wood.
Assistant Chancellor for Administrative Services: Dr. Wesley Sommers.
Dean of Learning Resources: Dr. David Barnard.
Librarian: J. Jax.

The library contains 135,000 volumes.
Number of teachers: 370.
Number of students: 6,066.

Deans:

School of Liberal Studies: Dr. Agnew.
School of Applied Science and Technology: Dr. Anderson.
School of Home Economics: Dr. Samenfink.
School of Education: Dr. Stevenson.
Dean of the Graduate College: Dr. N. Runnalls.

UNIVERSITY OF WISCONSIN—SUPERIOR

SUPERIOR, WISCONSIN 54880
Telephone: (715) 392-8101.
Founded 1893.

Chancellor: K. W. Meyer.
Director of Admissions: L. Banks.
Librarian: E. Lundholm.

The library contains 220,000 vols.
Number of teachers: 220.
Number of students: 2,450.

UNIVERSITY OF WISCONSIN—WHITEWATER

WHITEWATER, WISCONSIN 53190
Founded 1868.

Chancellor: James R. Connor.
Vice-Chancellor and Dean of Faculties: Edwin G. Speir, Jr.
Assistant Chancellor for Administrative Services: James W. Colmey.
Assistant Chancellor for Student Affairs: David J. Markee.
Assistant to the Chancellor: Jeffrey D. Baum.
Executive Director of Learning Resources: D. Tolliver.

The library contains 257,000 vols.
Number of teachers: 513.
Number of students: 9,589.

VITERBO COLLEGE

815 SOUTH 9TH STREET,
LA CROSSE, WISCONSIN 54601
Telephone: (608) 784-0040.

Founded 1931.

Liberal arts college, coeducational.

President: Father J. THOMAS FINUCAN.

Director of Admissions: JANET LINDERBAUM.

Academic Dean: Sister HELEN ELSBERND, F.S.P.A.

Dean of Students: Sister ALICE KAISER, F.S.P.A.

Librarian: Sister M. FRANCES CLAIRE MEZERA, F.S.P.A.

The library contains 65,000 vols.
Number of teachers: 90.
Number of students: 900.

WYOMING

UNIVERSITY OF WYOMING

LARAMIE, WYOMING 82071

Founded 1886.

President: WILLIAM D. CARLSON.

Registrar: A. L. GROVER.

Vice-President, Academic Affairs: EDWARD B. JAKUBAUSKAS.

Vice-President, Finance: E. G. HAYS.

Vice-President, Research: E. G. MEYER.

Vice-President, Student Affairs: J. R. GERAUD.

Librarian: ROBERT H. PATTERSON.

The library contains 549,763 vols.
Number of teachers: 763.
Number of students: 9,368.

Publications: *University Bulletin*† (4 annually), *Agricultural Experimental Station Bulletin*† (12 to 20 annually), *Geological Survey Bulletins, Natural Resources Research Institute Bulletins*†.

DEANS:

College of Agriculture: N. W. HILSTON.
College of Commerce and Industry: TIMSON A. WALTHER.
College of Education: L. A. WALKER.
College of Engineering: S. D. HAKES.
College of Law: E. G. RUDOLPH.
College of Arts and Sciences: R. SCHAEFFER.
College of Health Sciences: J. N. BONE.
Graduate School: R. J. MCCOLLOCH.
Summer School: W. N. SMITH.

UNITED STATES EXTERNAL TERRITORIES

UNIVERSITY OF GUAM

P.O.B. EK, AGANA,
GUAM 96910
Telephone: 734-2177.

Founded 1952; formerly the College of Guam; the only American university in the Western Pacific.

President: ROSA ROBERTO CARTER, PH.D.

Director of Admissions and Registration: FORREST GENE ROGERS.

Academic Vice-President: Dr. RUSSELL G. PECKENS.

Dean of Library Services: Dr. KENNETH L. CARRIVEAU.

The library contains 255,000 vols.
Number of teachers: 190.
Number of students: 2,840.

Publication: *Micronesica* (twice yearly), *Guam Recorder* (annually).

COLLEGE OF THE VIRGIN ISLANDS

ST. THOMAS,
VIRGIN ISLANDS 00801
Telephone: (809) 774-1252.

Founded 1962.

Four-year Liberal Arts College.

President: Dr. LAWRENCE C. WANLASS.

Vice-President and Provost: Dr. ARTHUR RICHARDS.

Dean of Instruction and Academic Affairs: Dr. PAUL M. LEARY.

Director of Admissions: MARIO A. WATLINGTON.

Librarian: ERNEST C. WAGNER.

The library contains 52,000 vols.
Number of teachers: 64.
Number of students: 558.

College of the Virgin Islands

ST. CROIX CAMPUS, KINGSHILL, BOX 84,
ST. CROIX, VIRGIN ISLANDS 00850
Telephone: (809) 778-1620.

Founded 1963.

Co-educational, five-year Liberal Arts College.

Director: Dr. MARY SAVAGE.
Director, Student Services: RON HARRIGAN.
Librarian: MARY BLEECKER.

Number of teachers: 9 full-time, 40 part-time.
Number of students: 93.

UPPER VOLTA

Population 5,572,000

RESEARCH INSTITUTES

Bureau de Recherches Géologiques et Minières: B.P. 86, Bobo-Dioulasso; Dir. M. RIEDEZ.

Centre Culturel Américain/International Communication Agency: B.P. 539, Ave. Binger, Ouagadougou.

Centre Technique Forestier Tropical: Centre de Haute-Volta, B.P. 303, Ouagadougou; f. 1963; research in silviculture and soil erosion; Dir. J. PIOT ICGREF.

Centre Voltaïque de la Recherche Scientifique: B.P. 7047, Ouagadougou; f. 1950; 1968 incorporated into Ministère de L'Education Nationale; basic and applied research in humanities and natural sciences; library of 6,000 vols.; Dir. MARCEL POUSSI; publs. *Notes et Documents Voltaïques*† (quarterly), *Recherches Voltaïques* (irregular), *Rapport d'Activités* (annually), *Travaux et Mémoires du CVRS* (irregular).

Compagnie Française pour le Développement des Fibres Textiles (C.F.D.T.): B.P. 317, Ouagadougou; br. at Bobo-Dioulasso.

Direction de la Géologie et des Mines (D.G.M.): B.P. 601, Ouagadougou; f. 1960; 67 mems.; library of 2,480 vols.; Dir. P. TAPSOBA; publ. *Rapport Annuel.*

Institut de Recherches Agronomiques Tropicales (I.R.A.T.): B.P. 596, Ouagadougou; f. 1924; research on cereals and general agronomy; stations at Saria and Farako-Ba; Dir. M. POULAIN; publ. *Rapport Annuel.*

Institut de Recherches du Coton et des Textiles Exotiques (I.R.C.T.): B P. 208, Bobo-Dioulasso; f. 1961; Dir. H. CORRE.

Institut de Recherches pour les Huiles et Oléagineux (I.R.H.O.): Niangoloko, par Bobo-Dioulasso; f. 1949; research into oil-bearing plants and their selection; Head Office in Paris, France (*q.v.*); research station also at Saria; Dir. for Upper Volta M. DHÉRY (Saria); Dir. Niangoloko Station A. GIARD.

Office de la Recherche Scientifique et Technique Outre-Mer Mission O.R.S.T.O.M. auprès de l'O.C.C.G.E., Centre Muraz: B.P. 171, Bobo-Dioulasso; f. 1947; medical entomology and parasitology; staff of 8 researchers, 5 technicians; library of 820 vols., 41 current periodicals; Dir. J. BRENGUES. (*See* main entry under France.)

Office de la Recherche Scientifique et Technique Outre-Mer Centre O.R.S.T.O.M. à Ouagadougou: B.P. 182, Ouagadougou; hydrology, sociology, geography, agronomy, botany; library; Dir. J. CLAUDE.

UNIVERSITY AND COLLEGES

UNIVERSITÉ DE OUAGADOUGOU

B.P. 7021, OUAGADOUGOU

Telephone: 329-44, 45.

Founded 1969; university status 1974.

Academic year: October to June.

Rector: M. TOGUYENI.

Registrar: M. ROBERT.

Librarian: BOUREIMA ZOROME.

Number of books in library: 30,000.
Number of teachers: 87.
Number of students: 1,000.

CONSTITUENT INSTITUTES:

Ecole Supérieure des Lettres et des Sciences Humaines (E.S.L.S.H.): Dir. BAKARY COULIBALY.

Institut Universitaire de Technologie (I.U.T.): Dir. JOSEPH BELDA.

Institut Supérieur Polytechnique (I.S.P.): Dir. SIMÉON TIBO KABRE.

Institut de Mathématiques et de Sciences Physiques (I.M.P.): Dir. SIÉ SIB.

Ecole Supérieure des Sciences Economiques (E.S.S.EC.): Dir. JOSEPH BELDA (acting).

Institut Africain d'Education Cinématographique (IN. AF. E.C.): Dir. Mlle. ODILE OUEDRAOGO.

Centre d'Etudes Economiques et Sociales d'Afrique Occidentale: B.P. 305. Bobo-Dioulasso; f. 1960; courses include hygiene, the mother and child, development projects, the promotion of women and world progress, promotion of villages, agricultural progress, self-promotion within zones, credit unions and management; library of 6,000 vols. and 120 periodicals; Dir. P. BUIJSROGGE; publ. *Construire Ensemble* (6 a year).

URUGUAY

Population 2,781,000

LEARNED SOCIETIES

Montevideo

Academia Nacional de Letras: Calle Solís 1446 (Palacio Taranco); f. 1943.

President: Arturo Sergio Visca.
First Vice-President: Santiago Dossetti.
Second Vice-President: Julio C. da Rosa.
Secretary: Celia Mieres.
Treasurer: Juan Pivel Devoto.
Librarian: Domingo L. Bordoli.
Honorary Academician: Juana Ibarbourou.

Publication: *Boletin*† (2 a year).

Members:

Dr. Antonio María (Cardinal) Barbieri
Sr. Alberto Zum Felde
Prof. Clemente Estable
Prof. Carlos Sabat Ercasty
Prof. Carlos Rodríguez Pintos
Dr. Justino Jiménez de Aréchaga
Prof. Domingo L. Bordoli
Prof. Juan E. Pivel Devoto
Sr. Pedro Leandro Ipuche
Prof. Arturo Sergio Visca
Prof. Celia Mieres
Sr. Julio C. da Rosa
Prof. Rolando Laguarda Trías
Sr. Santiago Dossetti
Sra. Clara Silva
Sr. Arq. Fernando García Esteban

Academia Nacional de Ingeniería: Avda. Libertador Brigadier Gral. Lavalleja 1464, piso 14, Montevideo; f. 1965; 30 full mems., 26 corresp. mems., 5 hon. mems.; Pres. Ing. Federico E. Capurro; Sec. Ing. Enrique Chiancone.

Agrupación Bibliotecológica del Uruguay (*Library Association*): Cerro Largo 1666; activities include library science, archives, documentation, bibliography, history and numismatics; Pres. Luis Alberto Musso; publs. *Bibliografía uruguaya sobre Brasil*†, *Aportes para la historia de la bibliotecología en el Uruguay*†, *Bibliografía y documentación en el Uruguay*†, *La estrella del sur—Indice*†, *Bibliografía bibliográfica y bibliotecología*†, etc.

Alliance Française: Soriano 1180; f. 1923; 865 mems.; 7,600 students; library of 15,000 vols.; Pres. J. Prat; Dir.-Gen. R. Arbelot; publ. *Bulletin Pédagogique.*

Asociación de Bibliotecarios del Uruguay (*Librarian Association of Uruguay*): C.C. 1415, Calle Ibicuy 1276, piso 1, esc. 3; f. 1945; Pres. Hortensia Braceras.

Asociación de Ingenieros del Uruguay (*Association of Uruguayan Engineers*): Avda. Libertador Brigadier Gral. Lavalleja 1464; f. 1905; 800 mems., also hon. and corresp. abroad; Pres. Ing. Eduardo J. Praderi; affiliated to the Unión Panamericana de Asociaciones de Ingenieros; library of 2,000 vols. publ. *Ingeniería.*

Asociación de Química y Farmacia del Uruguay (*Chemical and Pharmaceutical Association*): Av. Libertador Brigadier Gral. Lavalleja 1464, piso 14; f. 1888; 600 mems.; Pres. Blanca Cerdeiras; Sec.-Gen. Hugo Larramendi; publs. *Anales* (occasional), *Química y Farmacia* (quarterly).

Asociación Odontológica Uruguaya (*Odontological Association*): Avda. Libertador Brigadier Gral. Lavalleja 1464, piso 13; f. 1946 by fusion of Centro de Odontología del Uruguay, Sociedad de Estudios Odontológicos, Sindicato Odontológico del Uruguay and Asociación Odontológica Nacional; 1,000 mems.; comprises 8 depts. and 6 sections; Pres. Dr. Faustino M. Gómez; Vice-Pres. Dr. Manuel Saa; Sec. Julio Maglione; publs. *Odontología Uruguaya* (scientific), *Gremial e Informativa* (bi-monthlies); museum; library of 1,200 vols.

Asociación Rural del Uruguay (*Rural Association*): Uruguay 864; f. 1871; Pres. Luis Artagaveytia Piñeyro; Sec. Jorge Muñoz; publs. *Revista* (monthly), *Boletín*; library of 15,000 vols.

Ateneo de Clínica Quirúrgica (*Athenaeum of Clinical Surgery*): f. 1934; Dir. Prof. Dr. Eduardo Blanco Acevedo; publ. *Anales.*

Centro de Documentación Científica, Técnica y Económica: Avda. 18 de Julio 1790; f. 1953; forms part of the National Library; Dir.-Gen. Acad. Arturo Sergio Visca.

Centro de Estadísticas Nacionales y Comercio Internacional del Uruguay (CENCI Uruguay): Misiones 1361, Casilla de Correo 1510; f. 1956; non-commercial organization, sponsored by the Uruguayan Government, to provide economic and statistical information on all American countries; 1,200 mems.; library of over 550 vols.; Sec.-Gen. Ladislao Vertesi; Sec. Kenneth Brunner; publs. *Boletín ALALC, Industrias en América Latina, Intercambio Comercial entre los paises de la ALALC, Importaciones y Exportaciones del Uruguay, Manual Práctico del Importador del Uruguay, Manual Práctico del Puerto del Uruguay, Tarifa Aduanera del Uruguay, Listas Nacionales de Importación de los Países de la ALALC, Indice Alfabético NCCA-NABALALC*, etc.

Centro Nacional de Información y Documentación (*National Information and Documentation Centre*): Plaza de Cagancha 1175; f. 1961; nursery school, primary, secondary and technical education; Dir. Sra. Mercedes Fitz-Patrick; publs. *Anales, Enciclopedia de Educación, Legislación escolar.*

Comisión Nacional de Energía Atómica: Sarandí 430, piso 3, Montevideo; f. 1955; 21 mems.; for the study and utilization of atomic energy for peaceful purposes; Pres. Prof. Dr. Alfonso C. Frangella; Sec. Prof. Andrés Lalanne; publ. *Boletín.*

Consejo Nacional de Higiene (*National Health Council*): Av. 18 de Julio 1892, Ministerio de Salud Pública; Minister Dr. Carlos Stajano; publ. *Memoria Anual.*

Goethe Institut: Río Branco 1494, Casilla de Correo 1257; f. 1962; Dir. Hans Bunte.

Instituto Cultural Anglo-Uruguayo (*Anglo-Uruguayan Cultural Institute*): San José 1426; f. 1934; library: *see* Libraries; English language courses, teacher training courses, lectures, films, musical, dramatic and social activities; 8,600 students; 2 suburban annexes and 25 regional institutes throughout the country; Dir. R. A. Cowley.

Instituto Histórico y Geográfico: Hospital Maciel, Montevideo; f. 1843; 32 mems.; Pres. Prof. Alberto Reyes Thevenet; publs. *Revista* (XXI vols.).

Istituto Italiano di Cultura: Calle Paraguay 1177; f. 1950; 350 mems.; runs courses in Italian language and culture; library of over 10,000 vols.; Dir. EMIDIO SIMINI.

Sociedad de Amigos de Arqueología (*Archaeological Society*): Buenos Aires 652, Casilla 399; f. 1926; 70 mems., 16 foreign mems.; publ. *Revista*.

Sociedad de Arquitectos del Uruguay (*Society of Architects*): Av. Libertador Brigadier Gral. Lavalleja 1464, Piso 14; f. 1914; Pres. Arq. GUSTAVO NICOLICH; publs. *Boletín*, *Revista*.

Sociedad de Cirugía del Uruguay (*Surgical Society*): Av. Libertador Brigadier Gral. Lavalleja 1464, piso 13; f. 1920; 420 mems.; library of over 3,300 vols.; Pres. Dr. ALBERTO R. AGUIAR; Sec.-Gen. Dr. JOSÉ SOTO; Admin. Sec. L. WALTER BARRÁGAN; publ. *Cirugía del Uruguay*† (every 2 months).

Sociedad de Radiología del Uruguay: Avda. Libertador Brigadier Gral. Lavalleja 1464, piso 13, Montevideo; f. 1923; holds conferences and seminars; 60 mems.; Pres. Dr. JOSÉ ALEJANDRO GLAUSIUSS.

Gremial Uruguaya de Médicos Radiólogos: f. 1972; 70 mems.; Pres. Dr. ERNESTO H. CIBILS.

Sociedad Malacológica del Uruguay (*Malacological Society*): Casilla 1401; f. 1957; 210 mems.; Pres. ELÍAS URETA; Sec. JORGE PITA; publs. *Comunicaciones* (2 a year) and specialized articles.

Sociedad Uruguaya de Patología Clínica: Hospital de Clínicas Dr. Manuel Quintela, Avda. Italia s/n, Montevideo; f. 1954; publ. *Revista*.

Sociedad Uruguaya de Pediatría (*Paediatrics Society*): Av. Libertador Brigadier Gral. Lavalleja 1464, piso 13; f. 1915; 360 mems., affiliated to the Asociación Latino Americana de Pediatría; library of 4,800 vols.; Pres. Prof. Dr. WALTER TAIBO-CANALE; Sec. Prof. Agr. Dr. MAURICIO GAJER; publ. *Archivos de Pediatría del Uruguay*† (quarterly).

Sociedad Zoologica del Uruguay: Casilla 399; f. 1961; Pres. Prof. MIGUEL A. KLAPPENBACH; publ. *Boletín*.

RESEARCH INSTITUTES

Montevideo

Consejo Nacional de Investigaciones Científicas y Técnicas: Sarandí 444 P4, Montevideo; f. 1961; to stimulate research in all branches of knowledge; 7 mems.; Pres. Ing. MARIO GIL NIN; Sec. JUAN L. CAMPIOTTI.

Dirección General de Estadística y Censos (*Statistical Office*): Cuareim 2052; f. 1829; library of 5,000 vols.; Dir.-Gen. HORACIO H. PARODI; publs. *De los Precios del Consumo* (monthly), *Del Costo de la Construcción* (monthly), *Medio de Salarios* (quarterly), *De Precios al Por Mayor de Productos Importados*, *De Precios Minoristas* (annually).

Dirección General de Meteorologia del Uruguay (*National Meteorological Service*): Javier Barrios Amorín No. 1488. Casilla de Correo 64; f. 1895; library of 6,000 vols., 13,800 documents; Dir.-Gen. Col. NILO W. AMESTOY; publs. *Boletín Agrometeorológico*, *Anuario climatológico*, *Notas Técnicas*.

Instituto de Endocrinología "Profesor Dr. Juan C. Mussio Fournier" (*Institute of Endocrinology*): Hospital Pasteur, Calle Larravide 74; f. 1937; under Ministry of Health; Dir. Prof. Dr. JORGE MAGGIOLO; Admin. RAUL O. SEOANE CAPURRO; publs. *Archivos* and learned treatises and articles.

Instituto de Investigaciones Biológicas Clemente Estable: Avda. Italia 3318; f. 1927; 11 divisions, 4 depts.; 34 research staff; library of 10,000 vols.; Dir. Prof. J. ROBERTO SOTELO.

Instituto de Oncología: Avda. 8 de Octubre 3265, Montevideo; f. 1960; Dir. Prof. Dr. ALFONSO FRANGELLA.

Instituto de Tecnología y Química: (*see* under Universidad de la República).

Instituto Geográfico Militar (*Military Geographical Institute*): Avenida 8 de Octubre 3255; f. 1913; geodesy, photogrammetry, geophysics and cartography; library of 3,000 vols.; Dir. Col. ERNESTO MORALES; publs. *Boletín*, scale aeronautic and aerial maps.

Instituto Geológico Ing. Eduardo Terra Arocena: Calle Julio Herrera y Obes 1239; f. 1912; library of 14,200 vols.; Dir. WALTER C. PREÉZ (acting); publs. *Boletín*, geological maps.

Instituto Interamericano del Niño (*Inter-American Child Institute*): Avenida 8 de Octubre 2904; f. 1927 by Prof. Dr. Luis Morquio; all the States of the Americas are members; specialized library of 46,000 vols.; open to the public; Pres. Dr. MARIO ALTENFELDER; Sec. and Dir.-Gen. Dr. RAFAEL SAJÓN; publs. *Boletín* and specialized books and pamphlets.

Instituto Uruguayo de Normas Técnicas (*Uruguayan Standards Institution*): Avda. Libertador Brigadier Gral. Lavalleja 1464, Montevideo; f. 1939; 400 mems.; oversees the normalization and control of weights and measures; library of 120,000 vols.; Pres. Ing. PEDRO PONSETÍ; Dir. Eng. PABLO BENIA; publ. *Normas UNIT*.

Jardín Botánico: 19 de Abril 1179, Montevideo; f. 1940; Dir. Prof. ATILIO LOMBARDO.

Liga Uruguaya contra la Tuberculosis (*Anti-Tuberculosis League*): Magallanes 1320; f. 1902; Pres. Dr. CARLOS M. MURGUÍA; Sec. RAFAEL R. AMETRANO; owns an Observation Hospital for 400 child patients, a Dispensary, Preventive and Dental Centres.

Observatorio Astronómico (*Astronomical Observatory*): Casilla de Correo 867; f. 1928; Dir. Prof. CARLOS A. ETCHECOPAR.

Oficina Regional de Ciencia y Tecnologia de la Unesco para America Latina y el Caribe (*Unesco Regional Office for Science and Technology in Latin America and the Caribbean*): Bulevar Artigas 1320, Casilla 859; f. 1949; co-ordinates Unesco's programme in the region; main activities in the fields of science policy, marine sciences, hydrology, earth sciences, ecology, science teaching, scientific information and natural resources; organizes meetings, conferences, etc.; collection of over 1,000 Latin American scientific periodicals and card index of *c*. 60,000 scientific institutions and scientists in the region; Dir. Dr. GUSTAVO MALEK; publ. *Bulletin*†.

Servicio Oceanográfico y de Pesca: Julio Herrerra y Obes 1467, Montevideo; f. 1945; Dir. Ing. LUIS FRANZINI; publ. *Boletín*.

La Estanzuela, Dpto. Colonia

Centro de Investigaciones Agricolas "Alberto Boerger" (*Agricultural Research Centre*): f. 1914; library of 4,200 vols.; Dir. HECTOR ALBUQUERQUE; publs. *La Estanzuela*, *Boletínes técnicos*, *Miscelaneas*, *Memoria anual*.

LIBRARIES

Montevideo

Archivo General de la Nación (*National Archives*): Calle Convención 1474; f. 1926; 14,000 vols.; Dir. Prof. JUAN E. PIVEL DEVOTO; publ. *Revista*.

Biblioteca Central del Consejo Nacional de Educación Secundaria Básica y Superior: Eduardo Acevedo 1419; f. 1833; 100,000 vols.; Librarian DAVID YUDCHAK VAISER.

Biblioteca Municipal "Dr. Francisco Alberto Schinca": 8 de Octubre 3362/64, Montevideo; f. 1929; 20,000 vols.; Dir. Carlos Pappa.

Biblioteca Municipal "Dr. Joaquín de Salterain": Palacio Municipal, Avda 18 de Julio,Santiago de Chile; 31,000 vols.; Librarian Irma Majo San Miguel.

Biblioteca Nacional del Uruguay (*National Library*): Calle Guayabo 1793; f. 1816; Dir. Dionisio Trillo Pays; 500,000 vols.; comprises departments of catalogues, classification, bibliography, co-ordination and library of periodicals; publ. *Anuario Bibliográfico Uruguayo*, *Revista*.

Biblioteca Artigas-Washington/International Communication Agency: Calle Paraguay 1217; f. 1943; 12,962 vols., mainly by modern United States authors; 1,347 musical scores, 2,094 records, 2,773 pamphlets, 124 periodical subscriptions; cassettes, videotapes, etc.; Dir. Parker Anderson.

Biblioteca del Instituto Artigas del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Av. 18 de Julio 1205; f. 1944; organizes and maintains a library and archive material relating to the Ministry of Foreign Affairs; 12,000 vols. and 1,570 maps and atlases; Dir. Dr. Santos Laureiro.

Biblioteca del Instituto Cultural Anglo-Uruguayo: San José 1426; 17,000 books and periodicals in English; 600 records of English music, prose, poetry and plays.

Biblioteca del Museo Histórico Nacional (*Library of the National Historical Museum*): Casa Lavalleja, Zabala 1469, and Casa Rivera, Rincón 437; f. 1940; Dir. Juan E. Pivel Devoto; 41,385 vols., 1,468 vols. of MSS.; iconographs, engravings, maps, numismatics; the entire library and Uruguayan collections of Dr. Pablo Blanco Acevedo.

Biblioteca Pedagógica Central (*Pedagogic Library*): Plaza Cagancha 1175; f. 1888; library of 139,305 vols.; Dir. Nilda A. Barbagelata de Ritter; publs. *Información Bibliográfica*† (bi-monthly), *Cuadernos*†, *Temas*†, *Traducciones*†, *Bibliografía Uruguaya sobre Educación*†.

Florída

Biblioteca Pública Municipal: f. 1889; 42,000 vols.; Dir. José Alberto Dibarbourie.

MUSEUMS

Montevideo

Museo Histórico Nacional (*National Historical Museum*): Casa Rivera, Calle Rincón 437; f. 1900; sectional collections of local Indian cultures (prehistoric, colonial epoch, development and political history of the country); portraits, relics, arms, documents, coins, medals, etc., relating to the Wars of Independence, British invasion, early revolutions, etc. *Casa Lavalleja:* Independence period, 1825-28; donated collections; *Casa de Garibaldi*, 25 de Mayo 314: José Garibaldi in Uruguay 1837-1848; *Museo Romántico* 1830-1890; social history and musicology; newspaper and periodicals library; *Casa Quinta del Dr. Luis Alberto de Herrera*, Av. Luis Alberto de Herrera 3760-62: general history of Uruguay from 1897 to 1959; *Casa Quinta de D. José Batlle y Ordóñez*, Calle Teniente Rinaldi 3870: general history of Uruguay from 1886 to 1929; *Casa de Manuel Ximénez y Gómez*, Calle 25 de Agosto 580: evokes the tradition of Montevideo as a fortress and sea-port; Dir. Juan E. Pivel Devoto; publs. *Revista Histórica*†, catalogues, related leaflets.

Museo Municipal de Bellas Artes: Ave. Millan 4015; f. 1928; paintings, drawings, wood-carvings, sculptures; Dir. Juan Carlos Weigle.

Museo Nacional de Artes Plásticas (*National Museum of Fine Arts*): Tomás Giribaldi 2283, Parque Rodó; f. 1911; 4,217 paintings, engravings, drawings, sculptures, ceramics; Dir. Angel Kalenberg.

Museo Nacional de Historia Natural (*Natural History Museum*): Casilla 399; f. 1837 as National Museum; zoology, botany, palaeontology, archaeology; 32 mems.; library of 90,000 vols.; Dir. Miguel A. Klappenbach; Sub-Dir. Hector S. Osorio; publs. *Anales*†, *Comunicaciones Zoológicas*†, *Comunicaciones Botánicas*†, *Comunicaciones Antropológicas*†, *Comunicaciones Paleontológicas*†, *Flora del Uruguay*†.

Museo Pedagógico (*Pedagogic Museum*): Plaza Cagancha 1175; f. 1888; Dir. Sra. Nilda Barbagelata de Ritter; publ. *Boletín Museo José Pedro Varela* (weekly).

Museo y Archivo Histórico Municipal: Palacio del Cabildo, Calle Juan Carlos Gómez 1362; f. 1915; permanent exhibition of the history of Montevideo from 1726; furniture, icons, paintings, jewellery and maps; library of 2,000 vols.; Hon. Dir. Dr. Armando D. Pirotto; publ. *Anales del Museo y Archivo Histórico Municipal*†.

Museo y Jardín Botánico de Montevideo: Avda. 19 de Abril 1179; f. 1940; Chief Botanist Atilio Lombardo.

Museo Zoológico "Dámaso Antonio Larrañaga": Rambla República de Chile 4215; f. 1956; 2,000 species of fauna and molluscs, etc.; Dir. Dr. Marx Cagnoli Lansot.

San José de Mayo

Museo Departamental de San José: Calle Dr. Julián Becerro de Bengoa 493, paintings, drawings, sculptures, ceramics; Dir. Horacio Delgado Larriera.

Tacuarembó

Museo del Indio y del Gaucho: Calle 25 de Mayo 315; affiliated to the Museo Histórico de Montevideo; large collection representing ancient native crafts, weapons and other implements of the aboriginal Indians and gauchos; Founder and Dir. Washington Escobar.

UNIVERSITY

UNIVERSIDAD DE LA REPÚBLICA

AV. 18 DE JULIO 1824,
MONTEVIDEO

Telephone: 43313, 43317, 47725.

Founded 1849

State control; Language of instruction: Spanish; Academic year: March to December.

Rector: Cr. Jorge Anselmi.
Vice-Rector: Dr. Gonzalo Fernandez.
Secretary-General: Esc. Juan A. Tróccoli.

Number of teachers: 2,822.
Number of students: *c.* 39,000.

Publication: *Revistas de las Facultades.*

Deans:

Faculty of Agronomy: Ing. Agr. Adolfo Berro.
Faculty of Architecture: Arq. Reclus Amenedo.
Faculty of Economics and Administration: Cr. Nilo Berchesi.
Faculty of Law and Social Sciences: Dr. Luis Sayagués Laso.
Faculty of Humanities and Sciences: Lic. Miguel Klappenbach.
Faculty of Engineering: Ing. Juan C. Patetta.
Faculty of Medicine: Dr. Gonzalo Fernandez.
Faculty of Dentistry: Dr. Hugo Amorín.
Faculty of Chemistry: Dr. José D. Lema.
Faculty of Veterinary Medicine: Dr. Gustavo Cristi.

COLLEGES

Universidad del Trabajo del Uruguay: Calle San Salvador 1674, Montevideo; f. 1942; *c.* 37,000 students; technical, industrial and agricultural courses.

The University organizes and controls a number of industrial and night schools in Montevideo and the provinces, which provide technological education and training in various trades.

Instituto de Enseñanza de Mecanica y Electrotecnia "Prof. Dr. José F. Arias": Joaquín Requena 1931, Montevideo.

Instituto de Estudios Superiores (*Institute of Higher Studies*): Constituyente 1711, Montevideo; f. 1928; Pres. Dr. CARLOS M. FEIN; Sec. Prof. LEONARDO TUSO; Music, Phonetics, Experimental Philology, Geography and Geomorphology, Palaeontology, Spanish-American Literature, Biological Climatology, Mathematics, Oriental Culture; publs. *Boletines, Revista.*

VATICAN CITY STATE

ACADEMIES

Pontificia Academia Scientiarum (*Pontifical Academy of Science*): Casina di Pio IV, Vatican Gardens; f. 1603 as *Linceorum Academia*; reorganized by Pope Pius IX in 1847 as *Pontificia Accademia dei Nuovi Lincei*; reconstituted with present title by Pius XI, 1936. The Academy is directly subject to the Sovereign Pontiff, and it is composed of seventy Pontifical Academicians, nominated by the Holy Father himself, proposed by the Academic Body and chosen from experts in mathematical and experimental sciences in all countries. The seventy Pontifical Academicians are supplemented by Supernumerary Academicians, who are such by reason of their office. An Apostolic Brief of 1940 granted to Pontifical Academicians the title of "Excellency"; publs. *Commentarii*, *Scripta varia*.

President: Prof. CARLOS CHAGAS.

Director: Rev. ENRICO DI ROVASENDA.

PONTIFICAL ACADEMICIANS:

BALTIMORE, DAVID (U.S.A.).
BLANC-LAPIERRE, ANDRÉ (France).
BOHR, AAGE (Denmark).
BONINO, GIOVANNI BATTISTA (Italy).
BRÜCK, HERMANN ALEXANDER (United Kingdom).
CHAGAS-FILHO, CARLOS (Brazil).
CROXATTO, HECTOR R. (Chile).
DE ALMEIDA, ANTONIO (Portugal).
DE BROGLIE, Prince LOUIS (France).
DE DUVE, CHRISTIAN (Belgium).
DIRAC, PAUL ADRIEN MAURICE (United Kingdom).
DÖBEREINER, JOHANNA (Brazil).
DOISY, EDWARD ADELBERT (U.S.A.).
ECCLES, Sir JOHN CAREW (Switzerland).
GARNHAM, PERCY C. C. (United Kingdom).
GENTNER, WOLFGANG (Germany).
GIUSTI, MARTINO (Vatican).
HERZBERG, GERHARD (Canada).
HODGKIN, Sir ALAN LLOYD (United Kingdom).
HÖRSTADIUS, SVEN (Sweden).
HURTADO, ALBERTO (Peru).
JOAKIMOGLOU, GEORGE (Greece).
KHORANA, HAR GOBIND (U.S.A.).
LAMBO, THOMAS (Switzerland).
LECOMTE, JEAN (France).
LEJEUNE, JÉRÔME (France).
LELOIR, LUIS FEDERICO (Argentina).
LEPINE, PIERRE RAPHAEL (France).
LEPRINCE-RINGUET, LOUIS (France).
LEVI-MONTALCINI, RITA (Italy).
LILEY, ALBERT WILLIAM (New Zealand).
LORA TOMAYO, MANUEL (Spain).
LYNEN, FEODOR (Fed. Repub. of Germany).
MARINI BETTOLO, G. B. (Italy).
MIZUSHIMA, SANICHIRO PAUL (Japan).
MORGAN, WILLIAM WILSON (U.S.A.).
MORUZZI, GIUSEPPE (Italy).
MÖSSBAUER, RUDOLF L. (Germany).
NIRENBERG, MARSHALL (U.S.A.).
OCHOA, SEVERO (U.S.A.).
O'CONNELL, DANIEL J. K. (Vatican City State).
OORT, JAN HENDRIK (Holland).
PALADE, GEORGE E. (U.S.A.).
PAVAN, CRODOWALDO (Brazil).
PORTER, Sir GEORGE (U.K.).
PUPPI, GIAMPIETRO (Italy).
RASETTI, FRANCO (U.S.A.).
ROCHE, MARCEL (Venezuela).
RYLE, Sir MARTIN (United Kingdom).
SELA, MICHAEL (Israel).
SIDDIQUI, SALIMUZZAMAN (Pakistan).
SPERI SPERTI, GEORGE (U.S.A.).
SPERRY, ROGER W. (U.S.A.).
STICKLER, ALFONS M. (Vatican).
STRÖMGREN, BENGT (Denmark).
SZENT-GYÖRGYI, ALBERT (U.S.A.).
TUPPY, HANS (Austria).
UBBELOHDE, ALFRED (United Kingdom).
WEISSKOPF, VICTOR (U.S.A.).
WIESNER, KAREL (U.S.A.).
YUKAWA, YDEKI (Japan).

Accademia Romana di S. Tommaso d'Aquino e di Religione Cattolica (*Roman Academy of St. Thomas Aquinas*); 1 Piazza della Cancelleria, Rome; f. 1879; 70 mems.: theological, philosophical and juridico-economic sections; Vice-Pres. Mons. ANTONIO PIOLANTI; Sec. Father CARLO BOYER, S.J.

Pontificia Accademia dell' Immacolata (*Academy of the Immaculate Conception*): 51 Piazza SS. Apostoli, Rome; f. 1835; 26 mems.; Protector (vacant); Pres. Most Rev. Fr. GABRIELE M. ROSCHINI, O.S.M.; Sec. and Archivist Fr. LORENZO DI FONZO, O.F.M.CONV.

CARDINAL ACADEMICIANS:

CONFALONIERI, CARLO.
FLORIT, ERMENEGILDO.
OTTAVIANI, ALFREDO.
PARENTE, PIETRO.
ROBERTI, FRANCESCO.
TRAGLIA, LUIGI.

Pontificia Academia Mariana Internationalis (*Pontifical International Marian Academy*): via Merulana 124, Rome (Telephone 752505); f. 1946, Pontifical since 1959; 80 mems., 40 corresp. mems., 188 hon. mems.; Protector Cardinal ALFREDO OTTAVIANI; Pres. PAVAO MELADA, O.F.M.; Sec. DINKO ARAČIĆ, O.F.M.; publ. *Acta Pontificiae Academiae Marianae Internationalis*, Scientific collections.

Pontificia Accademia Romana di Archeologia (*Pontifical Roman Academy of Archaeology*): Palazzo della Cancelleria Apostolica; f. 1810; 116 mems.; Pres. CARLO PIETRANGELI; Sec. LUIGI MICHELINI TOCCI; publs. *Rendiconti*, *Memorie*.

Pontificia Insigne Accademia Artistica dei Virtuosi al Pantheon: Palazzo della Cancelleria Apostolica, Piazza della Cancelleria 1, Rome; f. 1541; Protector (vacant); Pres. Arch. Ing. VINCENZO PASSARELLI; Sec. Prof. GIULIO R. ANSALDI.

Pontificia Accademia Teologica Romana: attached to the Pontifical University of the Lateran; 4 Piazza S. Giovanni in Laterano, Rome; f. 1718; 34 hon. mems., 40 ordinary mems., 20 being normally resident in Rome, 10 from the rest of Italy and 10 from other countries, and 12 corresp. mems.; Protector Cardinal GABRIELE GARRONE; Sec. Rt. Rev. Mgr. ANTONIO PIOLANTI; publ. *Divinitas*.

Collegium Cultorum Martyrum: 1 via Napoleone III, Rome; f. 1879; *circa* 850 mems.; Sec. Dott. MORRA TOMMASO.

Römisches Institut der Görres-Gesellschaft (*Roman Institute of the Society of Goerres*): via della Sagrestia 17, Vatican City; Dir. Rev. Prof. Dott. ERWIN GATZ.

The Vatican Observatory: Vatican City State; f. 1889; 6 mems.; library of 32,000 vols.; Dir. (vacant); publs. *Ricerche Astronomiche, Vatican Observatory Publications.*

LIBRARIES

Archivio Segreto Vaticano (*Papal Archives*): estab. by Pope Paul V in 1611; opened to students in 1880; Prefect MARTINO GIUSTI; Vice-Prefects HERMANN HOBERG, TERZO NATALINI; publ. *Collectanea Archivi Vaticani.* The *Scuola di Archivistica e Diplomatica* is attached to the Archives.

Biblioteca Apostolica Vaticana (*Vatican Apostolic Library*): Over the centuries, the Papal Library was several times dispersed and reconstructed; the present library was founded by Pope Sixtus IV in 1475; at the present time it contains some 65,000 MSS., 130,000 archival files, 100,000 engravings, 7,000 incunabula, and 900,000 other volumes; among famous collections which have helped to build up the Library are those of the Dukes of Urbino (1657), of Queen Christina of Sweden (1690), of the Florentine Marquis Capponi (1745), of Barberini (1902), of Chigi (1923), and the Borghese collection, which included many items housed in the Papal Library at Avignon; the Sistine Chapel collection is of the greatest importance to historians of music; among the many rare and precious MSS. in the Library are a Greek Bible of the 4th century, Vergils of the 4th and 6th centuries, a 4th–5th-century palimpsest of Cicero's *Republic*, autographs of St. Thomas Aquinas, Tasso, Petrarch, Boccaccio, Poliziano, Michaelangelo, and Luther; Cardinal Protector ANTONIO SAMORE; Prefect Dr. ALFONS STICKLER, S.D.B.; Vice-Prefect Mgr. JOSÉ RUYSSCHAERT; publs. *Studi e Testi, Edizioni Illustrate, Cataloghi.*

The **Gabinetto Numismatico** (f. 1738; Curator Dr. LUIGI MICHELINI TOCCI) is part of the Library, as well as the **Museo Sacro** and the **Museo Profano** (*q.v.* below).

ATTACHED INSTITUTE:

Scuola Vaticana di Biblioteconomia (*Vatican Library School*): *c.* 100 students a year; Dir. Prof. NICCOLÓ DEL RE.

MUSEUMS

Dir.-General of the Pontifical Monuments, Museums and Galleries: Dott. Gr. Uff. DEOCLECIO REDIG DE CAMPOS.

The Vatican Museums and Galleries contain the following sections:

Museo Pio Clementino: f. by Pope Clement XIV (1770–74), and enlarged by his successor, Pius VI; exhibits include the Apollo of Belvedere, the Apoxyomenos by Lysippus, the Laocoon Group, the Nile and portraits of Homer, Pericles, Socrates and Plato, the original Vatican Museum was begun with the Apollo—already in possession of Pope Julius II when he was still a Cardinal, at the end of the 15th century—and the Laocoon Group, found in 1506; Curator Dott. GEORG DALTROP.

Museo Sacro: f. 1756 by Pope Benedict XIV; contains objects of liturgical art.

Museo Profano: f. 1767 by Pope Clement XIII; coin collection.

Museo Chiaramonti e Braccio Nuovo: f. by Pope Pius VII at the beginning of the 19th century, to house the many new findings excavated in that period; exhibits include the statues of Demosthenes and of the Augustus "of Primaporta"; Curator Dott. GEORG DALTROP.

Museo Gregoriano Etrusco: f. by Pope Gregory XVI in 1837; contains objects from the Tomba Regolini Galassi of Cerveteri, the Mars of Todi, bronzes, terracottas and jewellery, and Greek vases from Etruscan tombs; Curator Prof. FRANCESCO RONCALLI.

Museo Gregoriano Egizio: inaugurated by Pope Gregory XVI in 1839; contains Egyptian papyri, mummies, sarcophagi and statues, including statue of Queen Tuia (1300 B.C.); Curator Rev. Prof. GIANFRANCO NOLLI.

Museo Gregoriano Profano: f. by Gregory XVI in 1844 and housed in the Lateran Palace, it was transferred to a new building in the Vatican and opened to the public in 1970; Roman sculptures from the Pontifical States; portrait-statue of Sophocles, the Myronian group of Athena and Marsyas, the round sepulchre of Vicovaro, etc.; Curator Dott. GEORG DALTROP.

Museo Pio Cristiano: f. by Pius IX in 1854 and housed in the Lateran Palace; transferred to a new building in the Vatican and opened to the public in 1970; large collection of sarcophagi; Latin and Greek inscriptions from Christian cemeteries and basilicas; the Good Shepherd; Palaeo-Christian and mediaeval architectural fragments and mosaics; Curator (vacant).

Museo Missionario Etnologico: f. by Pius XI in 1926 and housed in the Lateran Palace; transferred to a new building in the Vatican and opened to the public in 1973; ethnographical collections from all over the world; Curator Rev. P. J. PENKOWSKI; publ. *Annali.*

Pinacoteca Vaticana: inaugurated by Pope Pius XI in 1932; includes paintings by Fra Angelico, Raphael, Leonardo da Vinci, Titian and Caravaggio, and the Raphael Tapestries; Curator Dott. FABRIZIO MANCINELLI.

Collezione d'Arte Religiosa Moderna: inaugurated 1973; paintings, sculptures and drawings offered to the Pope by over 200 artists and donors; Curator (n.a.).

Cappelle, Sale e Gallerie Affrescate: Chapel of Beato Angelico (or Niccolo V, 1448-1450); Sistine Chapel constructed for Sixtus IV (1471-1484); Borgia Apartment: decorated by Pinturicchio; Chapel of Urbano VIII (1625-1644); rooms by Raphael, etc.; Curator Dott. FABRIZIO MANCINELLI.

Publs. for all except the Missionary Museum: *Relazioni dei Monumenti, Musei, Gallerie Pontificie, nei Rendiconti della Pontificia Accademia Romana di Archeologia.*

UNIVERSITIES AND COLLEGES

PONTIFICIA UNIVERSITAS GREGORIANA

(Pontifical Gregorian University)

4 PIAZZA DELLA PILOTTA,
00187 ROME
Telephone: (06) 6701.

Founded by St. Ignatius Loyola and St. Francis Borgia, and constituted by Pope Julius III in 1553; confirmed and established by Pope Gregory XIII in 1582.

The central university for ecclesiastical studies under the direction of the Jesuit Order; **Pontificium Institutum Biblicum** and **Pontificium Institutum Orientalium Studiorum** are autonomous colleges associated with the University; Languages of instruction: Italian, Latin and English; Academic year: October to June (two terms).

Grand Chancellor: Cardinal GABRIEL M. GARRONE.
Vice-Grand Chancellor: Most Rev. Father P. ARRUPE.
Rector Magnificus: Most Rev. Father C. M. MARTINI.
Vice-Rector: (vacant).
Secretary-General: F. SELVAGGI.
Librarian: J. GALLÁN DIESTE.

The library contains 750,000 vols.

Number of teachers: 224.

Number of students: 2,077.

Publications: *Gregorianum, Periodica de re morali canonica liturgica, Studia Missionalia, Archivum Historiae Pontificiae, Analecta Gregoriana, Miscellanea Historiae Pontificiae, Saggi I.S.R., Studia Spiritualia, Documenta Missionalia, Studia Socialia, Acta Nuntiaturae Gallicae, Studi Critici sulle Scienze.*

DEANS:

Faculty of Theology: G. PELLAND.
Faculty of Canon Law: U. NAVARRETE.
Faculty of Philosophy: P. HENRICI.
Faculty of Ecclesiastical History: V. MONACHINO.
Faculty of Missionary Work: M. DHAVAMONY.
Faculty of Social Sciences: J. J. CARROLL.
Institute of Psychology: L. M. RULLA.
Institute of Spirituality: G. DUMEIGE.
Institute of Religious Sciences: S. BIOLO.
School of Advanced Latin Studies: C. GALLAGHER.

PROFESSORS:

Faculty of Theology:
ADNÈS, P., Dogmatic Theology
ALFARO, J. B., Dogmatic Theology
ALSZEGHY, Z., Dogmatic Theology
ANTÓN, A., Dogmatic Theology
ASENSIO, F., Exegesis
BECKER, K. J., Dogmatic Theology
CABA, J., Fundamental Theology
CARTECHINI, S., Dogmatic Theology
DEMMER, K., Moral Theology
FLICK, M., Dogmatic Theology
FUCHS, J., Moral Theology
GALOT, J., Dogmatic Theology
GRASSO, D., Pastoral Theology
HAMEL, E., Moral Theology
LATOURELLE, R., Fundamental Theology
LIGIER, L., Dogmatic Theology
MARTINA, G., Church History
NEUFELD, K., Fundamental Theology
MRUK, A., Moral Theology
O'COLLINS, G., Fundamental Theology
ORBE, A., Patrology and Patristic Theology
PASTOR, F., Dogmatic Theology
PELLAND, G., Dogmatic Theology
PRATO, G., Exegesis
RASCO, E., Introduction to Scripture and Exegesis
SULLIVAN, F., Dogmatic Theology
VANNI, U., Exegesis
VAN ROO, W., Dogmatic Theology
ZITNIK, M., Dogmatic Theology

Faculty of Law:
BEYER, J. B., Text of Canon Law
GALLAGHER, C., History of Canon Law
GORDON, I., Text of Canon Law
NAVARRETE, U., Text of Canon Law
ROBLEDA, O., Text of Canon Law and Roman Law
URRUTIA, F., Canon Law and Mission Law

Faculty of Philosophy:
BELDA, F., Social Ethics
BIOLO, S., Natural Theology and Philosophy of Religion
GONZÁLEZ CAMINERO, N., History of Greek Philosophy
HALLETT, G., Logic and Critique
HENRICI, P., History of Modern Philosophy
HUBER, C., Introduction to Philosophy, Philosophy of Knowledge
HUBER, E., Marxist Philosophy
NOWLAN, E., Experimental and Social Psychology
O'FARRELL, F., Metaphysics
SELVAGGI, F., Cosmology and Philosophy of Science
SPROKEL, N., History of Christian Philosophy
SZASZKIEWICZ, J., Philosophical Anthropology and Philosophy of Human Culture
VALORI, P., General Ethics and History of Modern Philosophy
WETTER, G. A., Marxist Philosophy

Faculty of Ecclesiastical History:
BATLLORI, M., Modern Church History
BLET, P., Historical Methodology and Modern Church History
DÍAZ DE CERIO, F., Philosophy of History
EGAÑA, A. DE, Latin-American History
FOIS, M., Modern Church History and Historical Synthesis
GROTZ, H. B., Medieval Church History
MARTÍNEZ-FAZIO, L., Christian Archaeology
MONACHINO, V., Ancient Church History
PFEIFFER, H., Christian Art
RABIKAUSKAS, P., Palaeography and Diplomacy

Faculty of Missionary Work:
DHAVAMONY, M., Hinduism and History of Religions
GOETZ, J., Ethnology, History of Primitive Religions and Social Anthropology
LÓPEZ-GAY, J., Missiology and Japanese Buddhism
ROEST CROLLIUS, A., Islamic Studies
SHIH, J., Mission Catechetics and Chinese Religions
WOLANIN, A., Mission Dogmatics

Faculty of Social Sciences:
BELDA F., Economic Ethics and Church Social Doctrine
BELTRÃO, P., Introduction to Social Sciences, Demography
CARRIER, H., Sociology
CARROLL, J. J., Sociology
CERECEDA, R., International and Political Law, Political Ethics
MACHA, J., Soviet Sociology and History of Sociology
MULDER, TH., Economics
SCARVAGLIERI, G., General Religious Sociology
SCHASCHING, J., Urban Sociology
SILVA, A. DA, Social Cultural Anthropology
STEIDL-MEIER, P., Economics

Institute of Spirituality:
ARVESÚ, F., Pastoral Psychology
BERNARD, C. A., Spiritual Theology
DE JAEGER, J.-F., Spiritual Psychology
DEBLAERE, A., History of Spirituality
DUMEIGE, G., History of Spirituality
FARICY, R., Spiritual Theology
LIUIMA, A., Questions of Spiritual History
MALATESTA, E., Biblical Spirituality
MOLINARI, P., Spiritual Theology
NAVONE, J., Biblical Spirituality
QUERALT, A., Spiritual Theology
RUIZ-JURADO, M., Spiritual Theology

Institute of Psychology:
AHERN, B., Holy Scripture
CUSSON, G., Spiritual Theology
IMODA, F., Psychology
KIELY, B., Psychopathology
RIDICK, J., Psychology and Statistics
RULLA, L. M., Psychology
ZADRA, D., Religious Psychology

Institute of Religious Sciences:
BIOLO, S., Natural Theology
BORTOLOTTI, R., Canon Law
DELMIRANI, M., Dogmatic Theology
GALOT, J., Dogmatic Theology
HENRICI, P., Philosophy
HUBER, C., Philosophy
MAGNANI, G., Fundamental Theology
MARTINA, G., Church History
MOLINARO, A., Moral Theology
NAVONE, J., Biblical Spirituality
VALORI, P., Philosophy
VANNI, U., Old Testament Introduction and Theology

School of Advanced Latin Studies:
FOSTER, R., Stylistics
GALLAGHER, C., Latin of Ecclesiastical Sources
GORDON, I., Canonical Latin
SANCHEZ VALLEJO, F., Stylistics

AFFILIATED INSTITUTES:

Centro di Ricerche Sociologiche (CIRIS): Piazza della Pilotta 3, 00187 Rome.

Institut de Philosophie St. Pierre Canisius: Kimwenza, B.P. 7245, Kinshasa, Zaire.
Rector: N. MASSAMBA.
Secretary: J. DE COCK.

Istituto Teológico del Uruguay: Av. 8 de Octubre 3060, Montevideo, Uruguay.
Rector: E. Rodriguez.

Pontificio Istituto Regina Mundi: Lungotevere Tor di Nona 7, 00186 Rome.
Director: R. M. I. Breslin.
Secretary: E. Marte.

Seminario Interregional Mexicano de Nuestra Señora de Guadalupe: Apdo. 35, Tula, Mexico.
Rector: G. Cortéz.
Secretary: F. Garibay M.

Studio Teologico Fiorentino: Lungarno Soderini 19, 50124 Florence, Italy.
Director: Mgr. V. Mannucci.
Secretary: Rev. P. Kuo.

PONTIFICIUM INSTITUTUM ALTIORIS LATINITATIS

(Faculty of Classical and Christian Letters)

PIAZZA ATENEO SALESIANO 1,
00139 ROME

Telephone: 8184641.

Founded 1964.

President: Sergio Felici.
Registrar: Remo Bracchi.
Librarian: Guiseppe Zver.

The library contains 21,000 vols.
Number of teachers: 12.
Number of students: 24.

PONTIFICIUM INSTITUTUM BIBLICUM DE URBE

(Pontifical Biblical Institute)

25 VIA DELLA PILOTTA,
00187 ROME

Telephone: 686453.

Founded 1909 by Pope Pius X for scriptural studies; Faculty of Ancient Oriental Studies added 1932; Pontifical Biblical Institute of Jerusalem f. 1927 (branch of Roman Institute).

Rector: Rev. M. Gilbert.
Director, Institute of Jerusalem: Rev. Francis Furlong.
Secretary: Rev. W. A. Ryan.
Librarian: Rev. S. Corradino.

Number of teachers: 43.
Number of students: 276.

Publications: *Biblica* (quarterly), *Orientalia* (quarterly), *Elenchus Bibliographicus* (annual), *Acta Pont. Inst. Biblici* (annual), *Analecta Biblica, Analecta Orientalia, Biblica et Orientalia, Monumenta Biblica et Ecclesiastica, Studia Pohl.*

Deans:

Biblical Faculty: Rev. L. Alonso Schökel.
Faculty of Ancient Oriental Studies: Rev. M. Dahood.

Professors:

Faculty of Biblical Studies:

Alonso-Schökel, L., Hermeneutics, Old Testament Introduction and Theology
Boccaccio, P., Hebrew and Aramaic
Dalton, W., New Testament Exegesis
Gilbert, M., Old Testament Exegesis
Le Deaut, R., Targumic Literature
Lentzen-Deis, F., Judaism and The New Testament
Lyonnet, S., Exegesis, New Testament Theology
Martini, C., Textual Criticism, Gospels
McCarthy, D., Old Testament Exegesis
McCool, F., New Testament Introduction
Mínguez, D., New Testament Exegesis
North, R., Archaeology and Geography
O'Callaghan, J., Greek Palaeography and Papyrology
Pavlovský, W., History of Israel
Places, E. des, History of Greek Religion and Philosophy
Potterie, I., de la, New Testament Exegesis
Proulx, P., History of Exegesis
Prümm, C., Pauline Theology, Greek Religion
Sabourin, L., Exegesis, Biblical Theology
Simian Yofre, H., Old Testament Exegesis
Stock, K., New Testament Exegesis
Vanhoye, A., New Testament Exegesis
Vogt, E., Old Testament Exegesis
Welch, J., Biblical Greek, Linguistics

Faculty of Ancient Oriental Studies:

Caplice, R., Accadian Language and Literature
Dahood, M., Ugaritic and Phoenician Language and Literature
Franxman, T., Mishnaic and Intertestamentary Literature
Kammenhuber, A., Hittite Language and Literature
Köbert, R., Syriac and Arabic Languages and Literature
Massart, A., Egyptian Language and Literature
Mayer, W., Accadian Language and Literature
Patti, J., Persian Language and Literature, Sanskrit
Pavlovský, W., Syriac Language and Literature
Quecke, H., Coptic, Armenian and Georgian Language and Literature
van Dijk, J., Sumerian Language and Literature

Affiliated Institute:

Pontifical Biblical Institute: Paul Emile Botta St., P.O.B. 497, Jerusalem, Israel. (*See* under Israel.)

PONTIFICIUM INSTITUTUM ORIENTALIUM STUDIORUM

(Pontifical Institute of Oriental Studies)

7 PIAZZA SANTA MARIA
MAGGIORE, 00185 ROME

Telephone: 731.22.54

Founded 1917 by Pope Benedict XV for the benefit of Eastern and Western scholars both Catholic and non-Catholic, interested in Oriental ecclesiastical questions.

President: Rev. Eduard Huber.
Secretary: Rev. J. Řezáč.
Librarian: Rev. C. Indekeu.

The library contains 110,000 vols.
Number of professors: 43.
Number of students: 214.

Publications: *Orientalia Christiana Periodica, Orientalia Christiana Analecta, Concilium Florentinum* (*Documenta et Scriptores*), *Anaphorae Syriacae.*

Deans:

Faculty of Oriental Ecclesiastical Studies: Rev. T. Špidlík.
Faculty of Oriental Canon Law: Rev. J. Řezáč.

Professors:

Arranz, L. M., Oriental Liturgy
Berger, M., Iconography
Capizzi, C., Byzantine Church History and Greek Palaeography
Crouzel, H., Oriental Patrology
Dejaive, G., Dogmatic Theology
Dominic, L., Russian
Follieri, E., Greek
Hitti, J., Oriental Canon Law
Indekeu, C., Russian
Krajcar, J., Slav Church History
Lacko, M., Balkan Church History
Leskovec, P., Dogmatic Theology
Macha, J., Historical Materialism
Marcou, G., Orthodox Canon Law
Mateos, J., Oriental Liturgy
Mudry, S., Oriental Canon Law
Nadal, J., Dogmatic Theology
Nedungatt, G., Oriental Canon Law
Obolensky, S., Russian Literature
Olivetti, L., Russian
Olšr, J., Slav Church History and Old Slav Language
Ortiz De Urbina, I., Oriental Patrology
Petrowicz, G., Armenian Church History
Placid, C. M. I., Malabarian Studies
Poggi, V., Church History of the Near East
Pujol, C., Oriental Canon Law
Řezáč, J., Oriental Canon Law
Rius Camps, J., Oriental Patrology
Salachas, D., Orthodox Canon Law
Samir, K., Christian Arabic Literature
Salvo, B. di, Oriental Liturgical Music
Schultze, B., Dogmatic Theology
Schwarzenberg, C., Byzantine Law
Špidlík, T., Mystical and Ascetic Theology
Stephanou, P., Byzantine Church History
Taft, R., Oriental Liturgy
Toniolo, H., Dogmatic Theology
Van de Paverd, F. Oriental Liturgy
Vries, W. de, Church History in the Near East, Dogmatic Theology
Wetter, A. G., History of Russian Philosophy
Wuyts, A., Oriental Canon Law
Žužek, J., Oriental Canon Law
Žužek, R., Dogmatic Theology

PONTIFICIA UNIVERSITAS LATERANENSIS

4 PIAZZA S. GIOVANNI IN
LATERANO, 00184 ROME

Telephone: Rome 754385, 754704

Founded 1824.

Languages of instruction: Latin, Italian and French.

Grand Chancellor: H.E. Mgr. Ugo Poletti.
Rector Magnificus: Mgr. F. Biffi.
Secretary: Rev. Dr. G. Bolzoni.
Librarian: Mgr. Dr. J. V. Polc.

The library contains 300,000 vols.
Number of teachers: 144.
Number of students: 1,190.

Publications: *Apollinaris, Aquinas, Lateranum, Studia et Documenta Historiae et Juris.*

Deans:

Faculty of Theology: Rev. Fr. B. Honings.
Faculty of Canon Law: Rev. Fr. A. Gutiérrez.
Faculty of Civil Law: Prof. P. Ciprotti.
Faculty of Philosophy: Mgr. G. Giannini.

Institutes:

Pontificium Institutum Pastorale.
President: Rev. Fr. S. Riva.

Institutum Theologiae Moralis (*Academia Alfonsiana*).
President: Rev. Fr. D. Capone.

Institutum "Augustinianum".
President: Rev. Fr. P. Grech.

Institutum Theologiae Vitae Religiosiae "Claretianum".
President: Rev. Fr. M. Augé.

Institutum "Ecclesia Mater".
President: Rev. Dr. M. Bordoni.

Affiliated Institutes:

Studio Teologico del Seminario Regionale: Via di Barbiano, 40136 Bologna; Rector Mgr. P. Rabitti.

Istituto Teologico "Don Orione": Via della Camilluccia 120, 00135 Rome; Dir. Rev. I. Terzi.

Istituto di Teologia del Seminario Regionale: 66100 Chieti; Rector Mgr. E. di Nino.

Istituto Teologico de Assisi: Basilica S. Francesco, 06082 Assisi; Praeses Rev. O. Battaglia.

Istituto Teologico Marchigiano: Via Posatora 47, 60100 Ancona; Praeses Very Rev. Mgr. O. Fusi Pecci.

Seminario Patriarcale di Gerusalemme: P.O.B. 14151, Beit Jal, Jerusalem; Rector P. J. Mirande.

Istituto Teologico del Seminario Maggiore: Chelmo, Poland; Rector F. Znaniecki.

Istituto di Teologia per Corrispondenza, Centro "Ut Unum Sint": Via Antonino Pio 75, 00145 Rome; Dir. Rev. R. Toni.

UNIVERSITÀ PONTIFICIA SALESIANA

(Salesian Pontifical University)

PIAZZA ATENEO SALESIANO 1,
00139 ROME

Telephone: 818.46.41.

Founded by the Holy See 1940; University status granted 1973 by Pope Paul VI.

Chancellor: Very Rev. Egidio Viganò.
Rector: Rev. Raffaele Farina.
Vice-Rector: Very Rev. Giuseppe Groppo.
Secretary-General: Very Rev. L. Ponzo.
Librarian: Very Rev. A. M. Triacca.

The library contains 210,000 volumes.
Number of teachers: 100.
Number of students: 570.
Publications: *Salesianum* (quarterly), *Orientamenti Pedagogici* (bi-monthly).

Deans:

Faculty of Canon Law: Very Rev. Cajetano Bruno.
Faculty of Theology: Very Rev. M. Midali.
Faculty of Philosophy: Very Rev. Pt. Stella.
Faculty of Education: Very Rev. R. Giannatelli.
Faculty of Letters (Classics and Christian): Very Rev. S. Felici.

Attached Research Institutes:

Gratian Studies Centre.
Medieval Studies Centre.
Studies on Don Bosco Centre.
Psychopedagogical Research Centre.
Counselling Centre.
Scholastic and Professional Guidance Centre.
Electronic Computation Centre.

Attached Institutes:

Don Bosco International Institute: Section of Faculty of Theology, Via Caboto 27, 10129 Turin.
Vice-Dean: Very Rev. G. Gozzelino.

Philosophisch-Theologische Hochschule der Salesianer: 8174 Benediktbeuern, Federal Germany.
Rector: Very Rev. O. Wahl.

Salesian House Philosophical Studies: 10A Avda. 36-73, Zona 11, Guatemala, C.A.
Dean: Daniel Morales.

Salesian House Philosophical Studies: Avda. El Liceo, Apdo. 43, Los Teques, Venezuela.
Dean: Jesús Albornoz.

Salesian House Theological Studies: Calle Torelló 8, Barcelona 16, Spain.
Dean: José R. Alberdi.

Salesian House Theological Studies: P.O.B. 160, Bethlehem-Cremisan, Israel.
Dean: G. Laconi.

Salesian House Theological Studies: 20 Avenida 13-45, Zona 11, Guatemala, Guatemala, C.A.
Dean: Sergio Checchi.

Salesian House Theological Studies: Via del Pozzo, C.P. 256, 98100 Messina, Italy.
Dean: Francis Varagona.

Salesian House Theological Studies: Calle Defendores de Toledo 1, Salamanca, Spain.
Dean: F. Jiménez Rodrigo.

Salesian House Theological Studies: Rua Pio XI 1100 (Lapa), St. Paul, Brazil.
Dean: Geraldo Lopes.

Salesian House Theological Studies: Lungadige Attiraglio 65, Saval, 37100 Verona, Italy.
Dean: D. Valentini.

PONTIFICIA UNIVERSITAS URBANIANA

16 VIA URBANO VIII,
00165 ROME

Telephone: 655-992, 65-68-640.

Founded 1627 by Pope Urban VIII.

Rector Magnificus: Rev. Fr. J. Saraiva Martins, c.m.f.
Vice-Rector: Rev. Fr. Emmanuele Testa, o.f.m.
Secretary-General: Mgr. M. Jezernik.
Librarian: Rev. Fr. W. Henkel.

Publications: *Euntes docete, Bibliotheca Missionaria.*

Deans:

Faculty of Theology: (vacant).
Faculty of Philosophy: Rev. Giovanni B. Mondin.
Missiology: Rev. A. Seumois.
Canon Law: Rev. A. Abate.

PONTIFICIA UNIVERSITÀ S. TOMMASO D'AQUINO

1 LARGO ANGELICUM,
00184 ROME

Telephone: 67-93-400.

College founded 1580; became University 1909; present title conferred 1963.

Grand Chancellor: Rev. V. de Couesnongle, o.p., Master General.
Rector Magnificus: Very Rev. P. G. Salguero.
Secretary: Rev. M. Videman, o.p., s.th.lic.
Librarian: Rev. S. Krasic, o.p., s.th.d.

The library contains 140,000 vols.
Number of students: 751.

Publications: *Angelicum, Rassegna di Letteratura Tomistica.*

Deans:

Faculty of Theology: Rev. F. Giardini, o.p., d.s.t.
Faculty of Canon Law: Rev. B. Gangoiti.
Faculty of Philosophy: Rev. A. Del Cura, o.p.
Faculty of Social Sciences: Rev. A. R. Sigmond, o.p.

Attached Institutes:

Institute of Spirituality.
Director: Rev. J. Aumann, o.p.

"Mater Ecclesiae" Institute.
Director: Rev. J. Castaño.

PONTIFICIO ATENEO DI S. ANSELMO

5 PIAZZA CAVALIERI DI MALTA,
00153 ROME

Telephone: Rome 573569.

Telegraphic Address:
Santanselmo Aventino, Rome.

Founded 1687.

Language of instruction: Italian.

Faculties of Philosophy and Theology, Pontifical Liturgical Institute.

Grand Chancellor: Most Rev. Father VICTOR DAMMERTZ, O.S.B., I.C.D., S.TH.L.

Rector Magnificus: Rev. Father M. LOHRER, O.S.B., S.TH.D.

Secretary: Rev. Father P. D. SPOTORNO.

Librarian: Rev. Father G. FARNEDI.

Treasurer: Rev. Father L. WAGNER.

The library contains 56,900 vols.

Number of professors: 55.

Number of students: 200.

Publications: ***Studia Anselmiana†***, ***Rerum Ecclesiasticarum Documenta*** (Critical Editions of Liturgical Texts), ***Corpus Consuetudinum Monasticarum.***

PONTIFICIO ATENEO ANTONIANUM

124 VIA MERULANA, 00185 ROME

Telephone: Rome 779749.

Founded 1933.

Franciscan International University.

Grand Chancellor: Most Rev. Father C. KOSER.

Rector Magnificus: Rev. Father G. CARDAROPOLI.

Vice-Rector: Rev. Father R. ZAVALLONI.

Pro-Secretary-General: Rev. Father C. STANZIONE.

Librarian: Rev. Father D. GUIDARINI.

The library contains 200,000 vols.

Number of professors: 85.

Publication: *Antonianum.*

DEANS:

Faculty of Theology: Rev. Father M. CONTI.

Faculty of Canon Law: Rev. Father G. BELLUCO.

Faculty of Philosophy: Rev. Father E. MARIANI.

Director of Biblical Studies: Rev. Father S. LOFFREDA.

Director of Apostolic Institute: Rev. Father P. G. PESCE.

Director of Institute of Spirituality: Rev. Father O. VAN ASSELDONK.

Director of Pedagogical Institute: Rev. Father B. GIORDANI.

PONTIFICIA FACOLTÀ TEOLOGICA DI S. BONAVENTURA DEI FRATI MINORI CONVENTUALI

VIA DEL SERAFICO 1,
00142 ROME

Telephone: Rome 5911651.

Founded 1587, re-founded 1905.

Grand Chancellor: Most Rev. Father VITALE BOMMARCO.

President: Most Rev. Father ALFONSO POMPEI.

Secretary: Very Rev. Father ALBERT SAMMUT.

Librarian: Rev. Father BONAVENTURA DANZA.

The library contains 120,000 vols.

Number of professors: 33.

Number of students: 55.

Publication: *Miscellanea Francescana†* (Vols. 77, 1977) (2 a year).

PONTIFICIA FACOLTÀ TEOLOGICA DEI SS. TERESA DI GESU E GIOVANNI DELLA CROCE

5A PIAZZA SAN PANCRAZIO,
00152 ROME

Telephone: Rome 582362.

Founded 1935.

Academic year: October to June.

Grand Chancellor: Most Rev. Father FINIAN MONAHAN, O.C.D.

President: Very Rev. Father ROBERTO MORETTI, O.C.D.

Secretary: Rev. Father BRUNO ZOMPARELLI.

Librarian: Rev. Father ISIDORO D'SILVA.

Library of 140,000 volumes (open to the public).

Number of teachers: 30.

Number of students: 80.

Publications: ***Ephemerides Carmeliticae†*** (specialist review twice yearly), ***Archivum Bibliographicum Carmelitanum*** (bibliographical supplement to ***Ephemerides Carmeliticae***; annual), ***Bibliotheca Carmelitica*** (textus-studia—subsidia), ***Bibliographia Internationalis Spiritualitatis, Rivista de Vita Spirituale.***

Pontificio Istituto di Spiritualità: Founded 1957; 30 teachers, 300 students; centre for bibliographical research in field of spiritual theology.

Moderator: Very Rev. Father EULOGIO PACHO.

Secretary: Rev. Father BRUNO ZOMPARELLI.

PONTIFICIO ISTITUTO DI ARCHEOLOGIA CRISTIANA
(Pontifical Institute of Christian Archaeology)

1 VIA NAPOLEONE III, ROME

Founded 1925 by Pope Pius XI.

Grand Chancellor: Cardinal GABRIEL-MARIE GARRONE.

Rector: R.P. ANTONIO FERRUA, S.I.

Secretary: R. P. P. SAINT-ROCH.

Librarian and Prefect of Collections: PHILIPPE PERGOLA.

Library of 35,000 vols.

Publication: ***Rivista di Archeologia Cristiana.***

PROFESSORS:

APOLLONJ GHETTI, B. M., Ancient Sacred Architecture

FASOLA, U., Christian Cemeteries and Topography of Ancient Rome.

FERRUA, A., S.J., Classical and Christian Epigraphy

MEES, M., O.F.M., Patrology

RECIO VEZANGONES, A., O.F.M., Christian Iconography

SAXER, V., Hagiography and Liturgy of the Early Church

TESTINI, P., General Introduction to Christian Archaeology

PONTIFICIO ISTITUTO DI MUSICA SACRA

20A PIAZZA S. AGOSTINO, ROME

Founded 1911 by Pope Pius X.

Grand Chancellor: Cardinal GABRIEL M. GARRONE.

President: Most Rev. Dr. FERDINAND HABERL.

Prefect of Studies: Father EGIDIO CIRCELLI, O.F.M.

Secretary: Rag. ALDO BARTOCCI.

Number of teachers: 19.

Number of students: 94.

Publication: *Calendar.*

PONTIFICIO ISTITUTO DI STUDI ARABI

PIAZZA DI S. APOLLINARE 49,
00186 ROME

Telephone: 656-11-31/656-15-92.

Founded 1949.

Director: Father ANDRÉ FERRE.

Librarian: Father PIERRE CUPERLY.

The library contains 10,000 vols.

Number of teachers: 11.

Number of students: 80.

Publications: *Islamochristiana†* (annual), *Etudes Arabes†* (quarterly), *Encounter* (*Documents for Christian-Muslim Understanding*) (10 a year).

VENEZUELA

Population 13,121,000

ACADEMIES

Caracas

Academia Venezolana de la Lengua (*Venezuelan Academy of Language*): Bolsa a San Francisco; f. 1882; correspondent of the Real Academia Española, Madrid; library (*see* under Libraries); publ. *Boletín* (quarterly).

Director: SIMÓN PLANAS-SUÁREZ.
Secretary: RAFAEL YEPES TRUJILLO.
Librarian: RAMÓN DÍAZ SÁNCHEZ.

Academia Nacional de la Historia (*National Academy of History*): Bolsa a San Francisco; f. 1888; library (*see* under Libraries); publs. *Boletín*, *Memorias*, *Anuario*.

Director: HÉCTOR PARRA MÁRQUEZ.
First Vice-Director: BLAS BRUNI CELLI.
Second Vice-Director: RAMÓN J. VELÁSQUEZ.
Secretary: CARLOS FELICE CARDOT.
Librarian: MARIO BRICEÑO PEROZO.

Academia Nacional de Medicina (*National Academy of Medicine*): Bolsa a San Francisco; f. 1904; 40 mems.; library (*see* under Libraries); publ. *Gaceta Médica de Caracas*.

President: Dr. PABLO IZAGUIRRE.
Vice-President: Dr. ANTONIO J. ANZOLA CARRILLO.
Secretary: Dr. LEOPOLDO BRICEÑO IRAGORRY.
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VEGAS, MARTÍN
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Academia de Ciencias Exactas, Físicas e Matemáticas (*Academy of Sciences*): Bolsa a San Francisco, Apdo. 1421; f. 1917; 30 Venezuelan, 20 foreign mems.; Permanent Commissions: Mathematics; Applied Mathematics; Astronomy, Geography, Hydrography and Navigation; Physical Science; Chemistry; Natural Science and Resources of the Country; Study of Educational Textbooks; Geology and Minerals; Agronomy; Meteorology; publs. *Boletín* (quarterly), collections of works.

President: Dr. MIGUEL PARRA LEÓN.
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Second Vice-President: Dr. GUSTAVO RIVAS MIJARES
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Librarian: Dr. ALBERTO E. OLIVARES.

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WANONI LANDER, LUIS
ZULOAGA, GUILLERMO

Academia de Ciencias Politicas y Sociales (*Academy of Political and Social Sciences*): Bolsa a San Francisco; f. 1917; publ. *Boletín*.

President: Dr. JULIO DIEZ.
First Vice-President: Dr. OSCAR GARCIA VELUTINI.
Second Vice-President: Dr. TOMÁS ENRIQUE CARRILLO BATALLA.

Secretary: Dr. Victor M. Alvarez.
Treasurer: Dr. Alejandro Urbaneja Achelpohl.
Librarian: Dr. Jesús Leopoldo Sánchez.

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Parra, Darío
Lares Martínez, Eloy
Loreto, Luis
Gonzalez Gorrondona, José Joaquin
Villalba Villalba, Luis
Quevedo, Numa

LEARNED SOCIETIES

Architecture and Town Planning

Asociación de Agrimensores de Venezuela (*Surveyors' Association*): c/o Colegio de Ingenieros de Venezuela, Caracas; Pres. Agm. Germán Añez Otero; Sec. Agm. Rafael Elster Noda.

Colegio de Arquitectos de Venezuela (*Venezuela Architects' Association*): Apdo. 5262, Caracas; f. 1945 as Sociedad Venezolana de Arquitectos; 478 mems.; Pres. Arq. Carlos Guinard Baldó; Sec. Arq. José Guerrero Alvarez; publ. *Revista del CAV*.

Junta Nacional Protectora y Conservadora del Patrimonio Histórico y Artistico de la Nación (*Commission for the Protection and Preservation of the Historical and Artistic Heritage of the Nation*): Caracas; there is a subsidiary office in each State; authorizes exploration and excavation of sites; mems. are nominated by the Government for five-year terms, and may be re-elected.

The Arts

Asociación Venezolana Amigos del Arte Colonial (*Friends of the Colonial Art Association*): Museo de Arte Colonial, Quinta de "Anauco", Avda. Panteón y Calle Gamboa, San Bernardino, Caracas; preservation and collection of period furniture, paintings, architectural forms, music, silver, etc. up to 1810; Pres. Sra. Belén Rodriguez de Mendoza; Sec. Carlos F. Duarte; publ. *Revista*.

Consejo Nacional de la Cultura (CONAC) (*National Cultural Council*): Avda. Principal de Chuao, Edificio Los Roques, Apdo. 50,995, Caracas; f. 1975; for the planning, promotion, dissemination and formation of human resources in the fields of music, theatre, dancing, plastic arts, literature, libraries, historic and artistic resources, museums, cinema and folklore; Pres. Luis Garcia Morales; Sec. Dr. José Armando Rojas; publs. *Revista Nacional de Cultura* (every 2 months)†, *Revista "IMAGEN"*† (monthly), *Revista de Teatro "ESCENA"* (weekly), *Revista Nacional de Folklore*† (weekly).

Instituto Zuliano de la Cultura "Andrés E. Blanco": Gobernación del Estado Zulia, Academia de Bellas Artes, "Neptali Rincón", Maracaibo; f. 1972; administers all the cultural institutes in the state; Dir. Carmen Delgado Peña; Administrator Domingo Guzmán Ramos.

Sociedad Amigos del Museo de Bellas Artes (*Society of the Friends of the Museum of Fine Arts*): Museo de Bellas Artes, Parque los Caobos, Caracas; f. 1957; 250 mems.; Pres. Mimi de Herrera Uslar; Exec. Sec. Ana de Besson.

Bibliography

Colegio de Bibliotecologos y Archivologos de Venezuela (*Venezuelan Library and Archives Association*): Apdo. 6283, Caracas; f. 1962; 340 mems.; Pres. Celmira Tirado E.; Correspondence Sec. Marianela H. de Hernández; publ. *Boletín Informativo*.

Economics, Law and Politics

Colegio de Abogados del Distrito Federal (*Lawyers' Association*): Apdo. 347, Caracas; f. 1788; 2,000 mems.; Pres. Dr. Luis González Berti; Sec. Dr. Adán Febres Cordero; publ. *Revista*.

Education

Consejo Nacional de Universidades (*National University Council*): Ministry of Education, Caraccs; f. 1946; consists of staff and student representatives of all universities; Pres. The Minister of Education; Perm. Sec. Alberto Drayer B.

History, Geography and Archaeology

Centro de Historia del Táchira (*Historical Centre*): Avda. 19 Abril 9-111, San Cristóbal; f. 1942; Dir. Ing. Xuan Tomás García-Tamayo; Sec. Lic. Walter Márquez; publ. *Boletin*†.

Centro de Historia Larense (*Lara Historical Centre*): Casa Colonial, Calle 22, diagonal a Plaza Lara, Apdo. 406, Barquisimeto, Distrito Iribarren; f. 1941; 12 mems.; publ. *Boletín*; library of *c.* 1,000 vols.

Centro Histórico del Zulia: Academia de Bellas Artes, Maracaibo; f. 1940; 12 mems.; Pres. Abrahán Belloso; Sec.-Gen. Aniceto Ramírez y Astier; Librarian José A. Butrón Olivares; publ. *Boletín*.

Centro Histórico Sucrense (*Historical Centre*): Cumaná; f. 1945; 24 national and 14 foreign corresp. mems.; Dir. R. P. Fray Cayetano de Carrocera; Sec.-Gen. Br. Alberto Sanabria; publ. *Boletín*.

Sociedad Bolivariana de Venezuela (*Bolivar Society*): Apartado 874, Caracas; to promote by all available media the knowledge of Simón Bolívar's life and works, as well as his political, cultural and social ideas and publishes about 15,000 volumes of historical works per year; 180 mems.; library of 3,000 vols.; Pres. Dr. Luis Villalba-Villalba; Sec. J. A. Escalona-Escalona; publ. *Revista de la Sociedad Bolivariana*.

International Cultural Institutes

Asociación Cultural Humboldt (*Venezuelan Cultural Institute*): Edif. Pigalle, 1° piso, Av. L. da Vinci, Colinas de Bello Monte, Caracas; f. 1949; affiliated to the Goethe-Institut; library of 7,000 vols.; German and Spanish classes, concerts, lectures, films and exhibitions; 450

mems. including branches in Maracaibo and Mérida; Dir. Dr. Egon Graf von Westerholt; Pres. Dr. Horacio Vanegas F.; publ. *Annual Bulletin.*

British Council: Edificio Los Frailes, Piso 4°, Calle La Guairita, Chuao (Apdo. 1246), Caracas 101; Representative D. Aspinall.

Centro Venezolano-Americano (*Venezuelan-American Centre*): Av. Ppl. Las Mercedes, Edificio C.V.A., Caracas 106; f. 1941; English and Spanish classes; library of 7,000 vols.; cultural programme of art and music; lectures on Venezuela and the United States; Pres. Dr. William Coles.

Instituto Cultural Venezolano-Británico (*Venezuelan-British Cultural Institute*): Apdo. 51055, Sabana Grande, Caracas 105; f. 1941; English classes given; lectures, concerts and films; centre for British academic examinations; library of 9,500 vols.; 200 mems.; Pres. Dr. T. Lasser; Dir. Frances Smyth de Piar, b.a.

Instituto Venezolano-Francés (*French-Venezuelan Institute*): Avda. Buenos Aires, Los Caobos, Apdo. 62324, Caracas; French classes, language laboratory, library of 7,000 vols.; theatre, cinema; Dir. Robert Boucher; Sec.-Gen. Gabriel Geneix.

Instituto Venezolano-Italiano de Cultura (*Italian-Venezuelan Cultural Institute*): Avda. Monte Sacro, Colinas de Bello Monte, P.O.B. 51-947, Caracas; f. 1954; Italian language and culture; library of 7,000 vols.; Dir. Prof. Dr. Giorgio Valli.

Language and Literature

Asociación Nacional de Escritores Venezolanos (*Venezuelan Writers' Association*): Velázquez a Miseria 22, Apdo. 429, Caracas; f. 1935; Pres. José Ramón Medina; Gen. Sec. Angel Mancera Galetti; publ. *Cuadernos.*

Medicine

Colegio de Farmacéuticos del Distrito Federal y Estado Miranda (*Association of Pharmacists*): Apdo. 224, Carmelitas 60688, Chacao; Calle Chivacoa, Sector Román, Urbanización Las Mercedes; deals with all aspects of the pharmaceutical industry; 1,200 mems.; library of 600 vols.; Pres. Dr. Pedro Rodriguez Murillo; Sec. Dra. Esther Valera de Pérez B.; Librarian Dra. Carmen Elena Garcia; publ. *Revista "Colfar".*

Colegio de Médicos del Distrito Federal (*Doctors' Association*): Plaza de Bellas Artes, Avenida Bellas Artes, Los Chaguaramos, Caracas; ;. 1942; 2,800 mems.; Pres. Dr. Néstor Bracho Semprún; Sec. Dr. Hernán Valero Díaz; publ. *Acta Médica Venezolana.*

Colegio de Médicos del Estado Miranda (*Doctors' Association*): Av. El Golf, Qta. La Setentiseis, El Bosque, Caracas; f. 1944; 3,100 mems.; professional and scientific association; Pres. Dr. Hernán Vasquez Rigual, m.d.; Gen. Sec. Dr. Ruben Hernandez Serrano, m.d.; publ. *Cuadernos Medicos*†.

Instituto J. I. Baldó: El Algodonal, Antímano, Caracas; f. 1937; lung diseases; Pres. Dr. Manuel Adrianza.

Sociedad de Obstetricia y Ginecología de Venezuela (*Society of Obstetrics and Gynaecology*): Maternidad Concepción Palacios, Av. San Martín, Apdo. 20081, Caracas; Pres. Rosendo Castellanos G.; publ. *Revista de Obstetricia y Ginecología de Venezuela.*

Sociedad Latinoamericana de Farmacología (*Latin American Society of Pharmacology*): Apartado de Correo 2455, Caracas; f. 1964; to promote pharmacological teaching and research; 250 mems.; Pres. Dr. J. Cato-David; Sec. Dr. A. Jacir.

Sociedad Médico-Quirúrgica del Zulia (*Medical and Surgical Society*): Apdo. 170, Maracaibo; f. 1917; 51 mems.; Pres. Dr. Jorge Hómez Chacín; Sec. Dr. Franz Wenger; publ. *Revista.*

Sociedad Venezolana de Anestesiología (*Society of Anaesthesiology*): Colegio de Médicos, Apto. 40 217, Caracas; Pres. Oscar Loynaz-Reverón.

Sociedad Venezolana de Angiología (*Society of Angiology*): Colegio de Médicos del D.F., Caracas; Pres. Dr. Julián Morales Rocha.

Sociedad Venezolana de Cardiología (*Society of Cardiology*): Colegio de Médicos del D.F.; Apdo. 188, Caracas; 196 mems.; Pres. Dr. Alberto Guinand-Baldo; Sec. Dr. Harry Acquatella.

Sociedad Venezolana de Cirugía (*Society of Surgery*): Colegio de Médicos del D.F., Plaza Las Tres Gracias, Los Chaguaramos, Apdo. de Correos 2073, Caracas; f. 1945; Pres. Dr. Héctor Jurado Roz.

Sociedad Venezolana de Dermatología (*Society of Dermatology*): Colegios de Médicos del D.F., 2° piso, Caracas; Pres. Dr. Mauricio Goihman-Yahr.

Sociedad Venezolana de Cirugía Ortopédica y Traumatología (*Society of Orthopaedics and Traumatological Surgery*): Colegio de Médicos del D.F., Plaza Las Tres Gracias, Los Chaguaramos, Caracas; f. 1949; 197 mems.; Pres. Dr. Alberto J. Jacir S.; publ. *Boletín de Ortopedia y Traumatología* (quarterly).

Sociedad Venezolana de Gastroenterología (*Society of Gastroenterology*): 3 Avda. de los Palos Grandes, entre 8 y 9 transversales, No. 211/11–12, Caracas 106; f. 1945; Dir. Dr. Vicente Lecuna Torres; publ. *GEN* (quarterly).

Sociedad Venezolana de Hematología (*Society of Haematology*): Hospital Vargas, San José, Caracas; Pres. Dr. Tulio Villalobos Capriles.

Sociedad Venezolana de Historia de la Medicina (*History of Medicine Society*): Palacio de las Academias, Bolsa a San Francisco, Caracas 101; Pres. Dr. Tulio Briceño Maaz.

Sociedad Venezolana de Medicina Interna (*Society of Internal Medicine*): Hospital Universitaria, Ciudad Universitaria, Caracas; Pres. Dr. Adolfo Starosta.

Sociedad Venezolana de Oftalmología (*Society of Ophthalmology*): Apdo. Este 50. 150, Caracas 105; f. 1953; 200 mems.; Pres. Dr. Dario Fuenmayor R.; Sec.-Gen. Dr. Oscar Beaujón R.; publ. *Revista Oftalmologica Venezolana*† (3 a year).

Sociedad Venezolana de Oncología (*Society of Oncology*): Centro Médico de Caracas, San Bernardino, Caracas; Pres. Dr. Víctor Brito.

Sociedad Venezolana de Otorinolaringología (*Society of Oto-Rhino-Laryngology*): Apdo. postal 40174, Caracas 104; Pres. Dr. François Conde Jahn; Sec. Dr. Germán Tovar Bustamante; publ. *Acta Venezolana de O.R.L.* (annually).

Sociedad Venezolana de Psiquiatría y Neurología (*Society of Psychiatry and Neurology*): P.O.B. 3380, Caracas; Pres. Dr. Abel Sánchez Pelaez.

Sociedad Venezolana de Puericultura y Pediatría (*Society of Puericulture and Paediatrics*): Avda. Libertador, Edf. La Linea, Piso 9, Ofc. 93-a, Caracas 105; Pres. Dr. Nahem Seguias Salazar.

Sociedad Venezolana de Radiología (*Society of Radiology*): Policlínica Méndez Gimón, Av. Andrés Bello, Caracas; Pres. Dr. Sebastián Nuñez Mier y Terán.

Sociedad Venezolana de Urología (*Society of Urology*): Apdo. 75.988, Caracas 107; Pres. Dr. Juan R. Lopez Ponce; Sec. Dr. Felipe Pulido Bueno; publ. *Revista.*

Natural Sciences

Asociación Venezolana para el Avance de la Ciencia (ASOVAC) (*Venezuelan Association for the Advancement of Science*): Apdo. del Este 61843, Caracas 107; f. 1950; 2,500 mems.; Chief Officer Dr. Sonia Hecker de Torres; publ. *Acta Científica Venezolana.*

Consejo de Desarrollo Científico y Humanístico (*Council of Scientific and Humanistic Development*): Universidad Central de Venezuela, Caracas; f. 1958; promotes research, finances publications, invites foreign scientists, sends representatives to International Congresses, awards scholarships; Pres. Dr. MIGUEL LAYRISSE; publs. *Bibliografía de Ciencia y Tecnología y de Humanidades y Ciencias Sociales del Profesorado de la UCV* (quarterly).

Fundación La Salle de Ciencias Naturales (*La Salle Foundation for Natural Sciences*): Edificio Fundación La Salle, Avda. Boyacá, Apdo. Postal 8150, Caracas; f. 1957; library (*see* under Libraries); 190 mems.; oceanography, anthropology and education; runs stations for marine and hydrobiological research, the *Instituto Universitario de Tecnología del Mar* on the island of Margarita, and various technical schools; Pres. Hno. GINÉS; Exec. Dir.-Gen. Dr. JUAN J. CAMACARO; publs. *Monografías*† (irregular), *Antropologica*† (quarterly review) and reports on oceanological studies.

Instituto de Ciencias Naturales del Estado Zulia: Academia de Bellas Artes, Maracaibo; administered by the Instituto Zuliano de la Cultura (*q.v.*); Dir. AUGUSTÍN PÉREZ PIÑANGO.

Sociedad de Ciencias Naturales "La Salle" (*"La Salle" Society of Natural Sciences*): Edificio Fundación La Salle, Avenida Boyacá, PB3, Apdo. 8150, Caracas 101; f. 1940; 22 mems.; 17 hon., 42 national and 30 foreign corresps., 150 associates; comprises three depts.: Botany, Zoology and Publications; the Museum contains more than 100,000 exhibits; other museums in Barquisimeto; Dirs. Rev. Hno. GINÉS, Lic. JESÚS HOYOS; Pres. Dr. JUAN GUEVARA B.; Sec. Lic. FRANCISCO DELASCIO; publs. *Memoria* (3 a year), *Natura* (every 3 months).

Sociedad Venezolana de Ciencias Naturales (*Venezuelan Society of Natural Sciences*): Calle Arichuna y Cumaco, El Marqués, Apdo. 1521, Caracas; f. 1931; 770 mems.; library of 12,000 vols., 4,000 periodicals; annual exhibitions, lectures, films on nature conservation; department of speleology for study and exploration of caves throughout the country; biological station for research on flora and fauna, soil science and crop studies; department for the study of tropical orchids; studies in environmental pollution; Pres. R. AVELEDO HOSTOS; Gen. Sec. Dr. RICARDO MUÑOZ TÉBAR; publs. *Boletín de la SVCN*, *Ciencia al Día* (quarterly).

Sociedad Venezolana de Geólogos (*Society of Geologists*): Apartado 2006, Caracas 101; Pres. GUSTAVO CORONEL.

TECHNOLOGY

Asociación Venezolana de Ingeniería Eléctrica y Mecánica (AVIEM) (*Electrical and Mechanical Engineering Association*): c/o Apdo. 6255, Caracas; f. 1956; 1,186 mems.; Pres. ROBERTO CHANG; Vice-Pres. ALBERTO POLEO; publs. *Ingeniería Eléctrica y Mecánica* (bi-monthly), *Boletín Informativo* (monthly).

Asociación Venezolana de Ingeniería Sanitaria y Ambiental (*Sanitary and Environmental Engineering Association*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas 101; Pres. FELIX MIGUEL SÁNCHEZ.

Colegio de Ingenieros de Venezuela (*Engineers' Association*): Apdo. 2006, Bosque Los Caobos, Caracas 101; f. 1861; 7,000 mems.; library of 4,000 vols.; Pres. DARÍO BRILLEMBOURG; Sec. JULIO URBINA; publ. *Boletín* (monthly).

Sociedad Venezolana de Ingeniería Hidráulica (*Society of Hydraulic Engineering*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas; f. 1960; Pres. FEDERICO LOVERA.

Sociedad Venezolana de Ingeniería Vial (*Society of Transportation Engineering*): Apdo. 13024, Caracas 101; f. 1962; 358 mems.; Pres. JUAN CARLOS HIEDRA LOPEZ.

Sociedad Venezolana de Ingenieros Agrónomos (*Society of Agricultural Engineers*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas; f. 1944; Pres. Ing. Agr. HUMBERTO FONTANA.

Sociedad Venezolana de Ingenieros Civiles (*Society of Civil Engineers*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas; Pres. MANUEL FERNANDO MEJÍAS.

Sociedad Venezolana de Ingenieros de Minas (*Society of Mining Engineers*): Ciudad Bolívar, Estado Bolívar, Caracas; Pres. ADOLFO YANES.

Sociedad Venezolana de Ingenieros de Petróleo (*Society of Petroleum Engineers*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas; Pres. RUBÉN A. CARLO.

Sociedad Venezolana de Ingenieros Forestales (*Society of Forestry Engineers*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006, Caracas; f. 1960; 360 mems.; library of 5,000 vols.; Pres. SIXTO J. PERICCHI; Sec. GERARDO ARELLANO P.; publ. *Boletín de la SVIF*† (quarterly).

Sociedad Venezolana de Ingenieros Químicos (*Society of Chemical Engineers*): c/o Colegio de Ingenieros de Venezuela; Apdo. 2006, Caracas; f. 1958.

RESEARCH INSTITUTES

AGRICULTURE AND VETERINARY SCIENCE

Centro Nacional de Investigaciones Agropecuarias (*Agricultural Research Centre*): Apdo. 4653, Maracay 200, Estado Aragua; f. 1937; attached to the National Foundation for Agricultural Research; Dir. Dr. SIMON ANTICH; publ. *Agronomía tropical* (2 a month).

Consejo Nacional de Investigaciones Agrícolas (*National Council for Agricultural Research*): Torre Norte, Piso 14, Centro Simón Bolívar, Apdo. 12.844, Caracas; f. 1959; functions include administration of the National Foundation for Agricultural Research; Pres. Dr. GUSTAVO PINTO COHÉN; Sec. Ing. Agr. HUGO GONZÁLEZ RINCÓN.

Estación Experimental de Café (*Experimental Coffee Station*): Rubio, Bramón, Táchira; f. 1954; library of 1,100 vols.; Dir. Ing. ALFREDO RIVAS VÁZQUEZ; publ. Annual Report.

Instituto Agrario Nacional (*Agrarian Institute*): Quinta Barrancas, Av. San Carlos, Vista Alegre, Caracas 102; f. 1949; concerned with agrarian reform activities; Pres. ANTONIO MERCHAN; publ. *Memoria y Cuenta*†.

Instituto de Investigaciones Veterinarias (*Veterinary Research Institute*): Apdo. 70, Maracay, Estado Aragua; f. 1940; small specialized library; 55 mems.; Dir. Dr. JUVENAL BALESTRINI.

ARCHITECTURE AND TOWN PLANNING

Dirección General de Desarrollo Urbanístico del Ministerio del Desarrollo Urbano (*Bureau of Urban Development of the Ministry of Urban Development*): Edificio Banco de Venezuela, 5° piso, Caracas; f. 1946; 350 mems.; library of 20,000 vols.; Dir. Arq. DANIEL BARREIRO DELGADO.

Economics, Law and Politics

Centro de Estudios del Desarrollo (CENDES) (*Centre for Development Studies*): P.O.B. 6622, Edificio Fundavec-Asovac, Avda. Neverí, Colinas de Bello Monte, Caracas; f. 1960; centre for research, teaching and planning of problems relating to economic, social and administrative aspects of Venezuelan development; under the patronage of the Central University; Dir. Dr. Luis Lander.

Dirección General de Estadística y Censos Nacionales—Ministerio de Fomento (*National Statistical and Census Office of the Ministry of Development*): Este 2 El Conde Antiguo, Edf. Cervecería Caracas, Apdo. 4593, Caracas 101; f. 1938; Dir. Pedro Luis Venegas Borges; publs. *Anuario Estadístico de Venezuela, Boletín Mensual de Estadística, Boletín de Comercio Exterior, División Político-Territorial, Boletín de Estadísticas Demográficas y Sociales, Encuesta de Hogares por Muestreo, Indicadores Socio-Económicos y Resultado Nacional del Censo, Programa de Estadísticas Industriales.*

Instituto Iberoamericano de Derecho Agrario y Reforma Agraria: Facultad de Derecho, Universidad de los Andes, Merida; f. 1973; training and research in agrarian law, agricultural economics, rural sociology, etc.; postgraduate and doctoral courses; Pres. Jose Maria Franco.

Instituto Venezolano de Análisis Económico y Social (*Institute of Economic and Social Analysis*): Apdo. 6320, Caracas; f. 1960; private institution for the study and diffusion of economic and financial problems; Pres. Nicomedes Zuloaga, Jr.; publ. *Orientación Económica.*

History, Geography and Archaeology

Dirección de Cartografía Nacional del Ministerio de Obras Públicas (*Department of Cartography of the Ministry of Public Works*): Avda. Este 6, Esquina de Camejo, Edificio Camejo 1° piso, Of. 113, Centro Simón Bolívar, Caracas; f. 1935; Dir. Ing. Adolfo C. Romero M.

Instituto de Geografía y Conservación de Recursos Naturales (*Institute of Geography and Conservation of Natural Resources*): Los Chorros de Milla, Mérida; f. 1959; library of 34,938 vols.; research in theoretical geography, applied geography and geographical techniques; committees for research and teaching technical co-ordination; documentation and information; 18 mems.; Dir. Dr. Carlos Ferrer Oropeza; publs. *Revista Geográfica*† (2 a year), *Cuadernos Geográficos*† (irregular), *Colección Humboldt*† (irregular).

Medicine

Instituto de Medicina Experimental (*Institute of Experimental Medicine*): P.O.B. 50.587, Sabana Grande, Ciudad Universitaria, Caracas; f. 1940; research in biochemistry, pharmacology, physiology, general and applied pathology; library of 20,944 vols.; Dir. Dr. Enrique Pimentel; Librarian Lic. Alecia Freites de Acosta (*see* also under the Universidad Central de Venezuela).

Instituto Nacional de Nutrición (*Institute of Nutrition*): Apdo. 2049, Caracas; f. 1949; library of 10,000 vols.; Dir. Dr. Luis Bermúdez Chaurio; publ. *Archivos Latinoamericanos de Nutrición.*

Natural Sciences

Consejo Nacional de Investigaciones Científicas y Tecnológicas (CONICIT) (*National Council for Scientific and Technological Research*): Apartado 70617 Los Ruices, Caracas; f. 1967; for the promotion of research in the fields of physical, mathematical, natural, human and social sciences and in technology; Pres. Pedro Obregon; Vice-Pres. Luis Carbonell; Exec. Sec. C. M. Añez D.

Dirección de Geología del Ministerio de Energía y Minas (*Department of Geology of the Ministry of Energy and Mines*): Torre Norte Centro Simón Bolívar, Piso 19, Caracas; f. 1936; conducts national geological surveys, and research in geotechnics, marine geology and mineralogy; Dir. A. Bellizzia; publs. *Boletín de Geología* (3 a year), *Boletín Informativo del Centro de Análisis de Información Geológica-Minera* (*CAIGEOMIN*) (2 a year), research bulletins, statistical and other data (annually).

Dirección de Minas del Ministerio de Minas e Hidrocarburos (*Department of Mining of the Ministry of Mines and Hydrocarbons*): Torre Norte, Piso 20, Caracas 101; f. 1936; Dir. Brígido R. Natera.

Estación Biológica de los Llanos (*Biological Station*): Calabozo, Estado Guárico; f. 1961; library of 3,200 vols.; Dirs. F. Tamayo, R. A. Hostos, L. Aristeguieta.

Estación de Investigaciones Marinas de Margarita: Punta de Piedras, Edo. Nueva Esparta; affiliated to the Fundación La Salle de Ciencias Naturales (*see* under Learned Societies); f. 1960; fisheries, oceanography, marine geology, aquaculture; publ. *Contribuciones*† (irregular).

Estación Meteorológica (*Meteorological Station*): Ciudad Bolívar; f. 1940; undertakes meteorological research and hydrographical surveys of the River Orinoco and its tributaries; Dir. E. Sifontes; numerous publications on meteorology and climatology of Venezuela.

Instituto Botánico (*Botanical Institute*): Apdo. 2156, Ministerio de Agricultura y Cría, Caracas; f. 1920, library of 2,500 vols.; Dir. Dr. Tobías Lasser; publ. *Acta Botánica Venezuelica* (annual).

Instituto Venezolano de Investigaciones Científicas (IVIC) (*Scientific Research Institute*): Apdo. 1827, Caracas; f. 1959; research in biology, medicine, chemistry, physics, mathematics and technology; postgraduate studies: M.Sc. and Ph.D.; library of *c.* 400,000 vols. and 4,200 periodicals; Dir. Luis M. Carbonell.

Instituto Venezolano de Petroquímica (*Venezuelan Institute of Petro-chemistry*): Edificio Norte, Piso 18, Centro Simón Bolívar, Caracas; f. 1956; official institute in charge of the government petro-chemical industry; Sec. Alfredo Cabrera Alemán.

Liceo Náutico Pesquero: Punta de Piedras, Edo. Nueva Esparta, Caracas; affiliated to the Fundación La Salle de Ciencias Naturales (*see* under Learned Societies); Dir. Yvan J. Ramirez Romero.

Observatorio Naval "Juan Manuel Cagigal" (*Juan Manuel Cagigal Naval Observatory*): Colina del Calvario, Apdo. 6745, Caracas; f. 1890; astronomy, geophysics, seismology, meteorology, oceanography, hydrography, geomagnetism, planetarium; Dir. Capt. Saúl Chacín Sánchez; publs. monthly bulletins.

Office de la Recherche Scientifique et Technique Outre-Mer—Mission Venezuela: Apdo. 68.183, Caracas 106; f. 1974; pedology, economics, demography; 6 mems.; Dir. J. L. Liederman. (*See* main entry under France).

Religion, Sociology and Anthropology

Centro de Estudios Venezolanos Indígenas (*Centre for Indigenous Venezuelan Studies*): Apdo. 261, Caracas; f. 1943; 50 mems.; affiliated to the Institute of Historical Research, Universidad Católica Andres Bello; Pres. P. Cesareo de Armellada; Sec. P. Vincente López; publs. *Venezuela Misionera* (monthly), irregular publs.

Fundación "Lisandro Alvarado": Frente a la Plaza Girardot, Apdo. 4518, Maracay, Aragua; f. 1964 (fmr. *Instituto de Antropología e Historia*); archaeological research; 12 mems.; Dir. Henriqueta Peñalver Gómez; publ. *Boletín.*

Instituto Caribe de Antropología y Sociología: Apdo. Postal 8150, Caracas 101; affiliated to the Fundación La Salle de Ciencias Naturales (*see* under Learned Societies); f. 1962; anthropological research and development programmes among Indian populations of Venezuela; 5 mems.; library of 3,000 vols.; Dir. W. COPPENS; publ. *Antropológica*† (3 a year).

TECHNOLOGY

Consejo Nacional para el Desarrollo de la Industria Nuclear: Apdo. 68233, Caracas 106; f. 1975; Exec. Sec. Rear Admiral JESÚS A. TABORDA ROMERO.

LIBRARIES AND ARCHIVES

Caracas

Archivo de Música Colonial Venezolano (*Archives of Colonial Music*): Escuela Superior de Música, Veroes a Santa Capilla; Librarian GARCÍA LAZO.

Archivo General de la Nación (*National Archives*): Santa Capilla a Carmelitas 5; f. 1910; Sections: La Colonia (1498-1810), La Revolución (1810-21), La Gran Colombia (1821-30), La República (1830 to present day); comprises Seminario de Investigación Archivística and courses on palaeography; Dir. Dr. MARIO BRICEÑO PEROZO; publ. *Boletín* (2 a year).

Biblioteca Nacional (*National Library*): Bolsa a San Francisco; f. 1833; the library now constitutes, by Act of Congress, the nucleus of the recently formed *Instituto Autónomo Biblioteca Nacional y Servicios de Bibliotecas*, following the NATIS (UNESCO) system; over 400,000 vols.; Dir. Lic. VIRGINIA BETANCOURT; publs. include *Anuario Bibliográfico Venezolano, Catálogo General, Indice Bibliográfico, Boletín de la Biblioteca Nacional,* etc.

Biblioteca Central de la Universidad Católica "Andrés Bello" (*Central Library of the "Andrés Bello" Catholic University*): Urb. Montalbán, La Vega, Apt. 29068; f. 1953; 111,558 vols.; Librarian ANA DE FERNANDEZ; publ. *Montalbán*†.

Biblioteca Central de la Universidad Central de Venezuela (*Central University Library*): Ciudad Universitaria; f. 1850; sections on social science, the humanities, pure science and technology; 129,000 vols.; Dir. ERMILA ELÍES DE PÉREZ PERAZZO.

Biblioteca de la Academia Venezolana de la Lengua (*Library of the Venezuelan Academy of Language*): Palacio de las Academias, Bolsa a San Francisco; f. 1883; 15,500 vols.; Librarian RAMÓN DÍAZ SÁNCHEZ.

Biblioteca de la Academia Nacional de la Historia (*Library of the National Academy of History*): Palacio de las Academias; f. 1888; 40,000 vols.; Librarian MARIO BRICEÑO PEROZO.

Biblioteca Médica Venezolana de la Academia Nacional de Medicina (*Venezuelan Medical Library*): Palacio de las Academias; f. 1904; 8,000 vols.; Librarian RICARDO ARCHILA; publ. *Gaceta Médica de Caracas*.

Biblioteca de la Corte Suprema de Justicia (*Law Courts Library*): Esquina de la Bolsa, Caracas; f. 1942; 4,500 vols.; Dir. Br. FERNANDO ARAUJO M.

Biblioteca de la Sociedad de Ciencias Naturales "La Salle" (*Library of the "La Salle" Society of Natural Sciences*): Av. Cota Mil., Edif. Fundación La Salle, Planta Baja 2; f. 1942; 30,800 vols.; Librarian MARIA AUXILIADORA RAMOS; publs. *Memoria*† (3 a year), *Natural*† (quarterly).

Biblioteca del Congreso (*Congress Library*): Plaza del Capitolio; f. 1915; 9,000 vols.; Librarian LOURDES GARCÍA.

Biblioteca del Instituto Venezolano de Investigaciones Científicas (I.V.I.C.) (*Library of the Venezuelan Institute for Scientific Research*): Altos de Pipe, Km. 11, Carretera Panamericana, Apdo. 1827; f. 1955; *c.* 400,000 vols., 4,200 periodicals; Librarian HANA M. DE DAVID.

Biblioteca de los Tribunales del D.F. "Fundación Rojas Astudillo" (*Law Library*): Apt. 344, Edificio Gradillas, 4° piso letra B; f. 1950; bibliographical services and studies; 33,000 vols.; Librarian GERT KUMMEROW; publ. *Boletín*.

Biblioteca "Dr. M. A. Sánchez Carvajal" de la Sociedad de Obstetricia y Ginecología de Venezuela: Maternidad Concepción Palacios, Avda. San Martín, Apdo. 20081, Caracas 101; f. 1940; over 8,000 vols.; also MSS. and medical history collection; Librarian Dra. LIVIA ESCALONA DE AYALA.

Biblioteca "Ernesto Peltzer" del Banco Central de Venezuela: Torre Financiera, Piso 16, Esq. de Santa Capilla, Avda. Urdaneta; f. 1940; 69,000 vols.; Librarian ASTA DE MOORE.

Biblioteca Pública "Mariano Picón Salas" (*Public Library*): Parque Arístides Rojas, Avda. Andrés Bello; f. 1965; 23,689 vols.; Dir. Lic. ROMULO NAVEA SOTO.

Government Libraries:

Biblioteca del Ministerio de Agricultura y Cría (*Library of the Ministry of Agriculture*): Centro Simón Bolívar, Torre Norte, Piso 15; f. 1936; 10,000 vols.; Librarian LUISA BUSTILLOS GARCÍA.

Biblioteca del Ministerio de Hacienda (*Library of the Ministry of Finance*): Centro Simón Bolívar, Edificio Norte, 4° piso, Oficina 421; f. 1937; 10,600 vols.; Librarian OLGA DE GIORGI.

Biblioteca del Ministerio de Fomento (*Library of the Ministry of Development*): Centro Simón Bolívar, Edificio Sur, 5° piso, Oficina 535; f. 1953; 6,000 vols.; Librarian ROSARIO BARNOLA.

Biblioteca y Archivo General, Ministerio de Energía y Minas (*Library and General Archives of the Ministry of Energy and Mines*): Centro Simón Bolívar, Torre Norte, piso 24; f. 1950; specializes in mines, petroleum, gas, energy, hydrocarbons; 8,287 vols.; Librarian LIBIA HERNANDEZ; publs. *Boletín de Geología*†, *Memoria del Ministerio de Energía y Minas*†, *Petróleo y otros Datos Estadísticos*†, *Carta Semanal*†, *Hierro y Otros Datos Estadísticos*†.

Biblioteca del Ministerio de Obras Públicas (*Library of the Ministry of Public Works*): Central Library: Centro Simón Bolívar, Edificio Camejo, Mezzanina; f. 1948; library of 4,312 vols.; Dir. CARLOS A. ARREAZA F.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): 5,000 vols.; specializes in international law; Librarian ALICIA CURIEL.

Biblioteca del Ministerio de Relaciones Interiores (*Library of the Ministry of the Interior*): Esquina de Carmelitas, 2° piso; 3,585 vols.; Librarian Dr. RUIZ LANDER.

Biblioteca del Ministerio de Sanidad y Asistencia Social (*Library of the Ministry of Health*): Instituto Nacional de Higiene, Ciudad Universitaria, Apdo. 61.153, Correos del Este; f. 1936; 9,411 vols.; Librarian ESPERANZA REYES BAENA; publs. *Revista Venezolana de Sanidad y Asistencia Social, Memorias del M.S.A.S.*

Biblioteca del Ministerio del Trabajo (*Library of the Ministry of Labour*): Centro Simón Bolívar, Edificio Sur, 5° piso; 1,000 vols.; Librarian AFRICA VALERO ZERPA.

Barquisimeto

Biblioteca Pública "Pío Tamayo" (*Public Library*): Calle 26, entre Carreras 20 y 21; f. 1911; 21,943 vols.; Librarian GERMÁN HURTADO REYES.

Biblioteca Técnica Científica Centralizada (*Central Scientific and Technical Library*): Apdo. 254; f. 1966; specializes in social sciences and technology; 5,000 vols. and 268 periodicals; Librarian Lic. CELMIRA TIRADO E.; publs. *Boletín Bibliográfico*†, *Catálogo Colectivo de Publicaciones Periódicas*†.

Cumaná

Biblioteca Central de la Universidad de Oriente (*Central Library of the Universidad de Oriente*): Apdo. Postal 245, Cerro Colorado; 36,500 vols.; Librarian MIGUEL A. SÁNCHEZ.

Maracaibo

Biblioteca "Baralt" (*Public Library*): Avda. 3 E No. 71-15, Apdo. 1340; f. 1961; founded and maintained by Fundación Belloso; 35,000 vols.; Librarian MERCEDES BERMUDEZ DE BELLOSO.

Biblioteca Pública del Estado Zulia: administered by the Instituto Zuliano de la Cultura (*q.v.*); Dir. FERNANDO GUERRERO MATHEUS.

Biblioteca de la Universidad de Zulia: Apdo. de Correos 526; f. 1946; 19,000 vols.; Librarian MARGARITA ALVAREZ GONZÁLEZ.

Maracay

Biblioteca del Centro Nacional de Investigaciones Agronomicas (*Library of the National Agricultural Research Centre*): Apdo. Postal 4653, Maracay 200, Edo. Aragua; Librarian ORFILA MÁRQUEZ M.

Mérida

Biblioteca Central "Tulio Febres Cordero" (*Los Andes University Main Library*): Edificio Administrativo de la Universidad de los Andes; f. 1889; *c.* 114,000 vols.; reference books for all subjects taught in the University; large collection of 16th- and 17th-century books; Dir. Dra. FRANCISCA RODRÍGUEZ CRUZ; publs. *Boletín Bibliográfico, Catálogo de Publicaciones Periódicas, Catálogo de Tesis de Grado, Catálogo de Trabajos de Ascenso.*

Trujillo

Biblioteca "24 de Julio" (*Public Library*): f. 1930; 12,000 vols.; Librarian ITALA BRICEÑO RUMBOS.

Valencia

Biblioteca Central de la Universidad de Carabobo: 11,000 vols.; Librarian ANTONIETA PINTO DE KATZ.

MUSEUMS

Caracas

Casa de Simón Bolívar (*Bolívar's House*): San Jacinto a Traposos; murals by Tito Salas depicting events of the Independence Movement; contains the correspondence and official documents written by Bolívar during the Wars of Independence; Curator Dr. VICENTE LECUNA.

Colección Ornitológica Phelps (*Phelps Ornithological Collection*): Sur 4, Dolores a Pte. Soublette, Apdo. 2009; f. 1938; 4 mems. of staff; Dir. WILLIAM H. PHELPS; Curator R. AVELEDO HOSTOS; occasional papers published in scientific journals.

Museo de Arte Colonial (*Museum of Colonial Art*): Quinta de Anauco, Avda. Panteón y Calle Gamboa, San Bernardino; f. 1942; Dir. BELÉN RODRÍGUEZ DE MENDOZA; under the supervision of the Asociación Venezolana de Amigos del Arte Colonial.

Museo de Bellas Artes de Caracas (*Museum of Fine Arts*): Los Caobos, Caracas 105; f. 1938, enlarged 1957, 1963, 1974; paintings and sculpture by national and foreign artists; library of 3,100 vols.; Dir. MIGUEL G. ARROYO C.

Museo Bolivariano (*Bolívar Museum*): San Jacinto a Traposos; f. 1911 and inaugurated in present building 1960; contains 1,546 exhibits; mementos, portraits, personal relics and historical paintings of Simón Bolívar and his fellow-workers in the Independence Movement; library of 834 vols.; Dir. Dr. LINO IRIBARREN-CELIS; Sec. FLOR ZAMBRANO DE GENTILE.

Museo de Ciencias Naturales (*Natural Sciences Museum*): Apdo. 8011; formerly Museo de Arqueología e Historia Natural; inaugurated under present name 1940; *c.* 29,500 archaeological, ethnological, geological, zoological and palaeontological exhibits, with special reference to Venezuela; important herpetological collection (reptiles and amphibians); gold "guará" (funeral treasure) of the Tairona culture, artificially deformed prehistoric crania, etc.; Dir. ABDEM RAMÓN LANCINI V.; occasional publs.

Ciudad Bolívar

Museo "Talavera": Calle Bolívar 103; f. 1940; pre-Columbian and Colonial period exhibits, religious art, natural science, numismatics; Dir. Dr. J. GABRIEL MACHADO; publ. *Museo Talavera.*

Ciudad de El Tocuyo

Museo Colonial (*Historical Museum*): f. 1945.

Maracaibo

Museo Histórico Gral. "Rafael Urdaneta": administered by the Instituto Zuliano de la Cultura (*q.v.*); Dir. EVARISTO FERNÁNDEZ OCANDO.

Museo "Urdaneta" Histórico Militar (*Museum of Military History*): Calle 91A No. 7A-70; f. 1936; Dir. Prof. J. C. BORGES ROSALES.

Trujillo

Museo "Cristóbal Mendoza" (*Historical Museum*).

UNIVERSITIES

UNIVERSIDAD DE CARABOBO

AVDA. BOLÍVAR 125-39,
APDO. POSTAL 129, VALENCIA
Telephone: 215044.
Founded 1852.
State control.

Rector: Dr. PABLO BOLAÑOS.
Academic Vice-Rector: Dr. LUIS CARRILLO ROMERO.
Administrative Vice-Rector: Dr. LUIS DELGADO FILARDO.
Secretary: Dr. EZEQUIEL VIVAS TERÁN.
Librarian: ANTONIETA PINTO DE KATZ.

Library: *see* Libraries.

Number of teachers: *c.* 500.
Number of students: 24,000.

Publications: *Boletín Universitario, Revista de la Facultad de Ciencias Económicas y Sociales, Revista de la Facultad de Derecho.*

DEANS:

Faculty of Economics and Social Sciences: Econ. GUSTAVO HIDALGO VITALE.
Faculty of Engineering: Ing. FRANCISCO MANZANILLA.
Faculty of Law: Dr. JOAQUÍN ALVARADO.
Faculty of Medicine: Dr. JACOBO DIVO.

UNIVERSIDAD CATÓLICA ANDRÉS BELLO

URB. MONTALBÁN, LA VEGA,
APT. 29068, CARACAS
Telephone: 47-51-10/19.
Founded 1953.

Rector: Ing. GUIDO ARNAL ARROYO.
Vice-Rector: R.P. LUIS AZAGRA, S.J.
Secretary-General: Dr. FÉLIX HUGO MORALES MORALES.
Librarian: Lic. ANA DE FERNÁNDEZ.

Library: *see* under Libraries.

Number of professors: 550.
Number of students: 7,500.

Publications: *Revista Montalbán, Revista de la Facultad de Derecho.*

DEANS:

Faculty of Law: Dr. ALFREDO MORALES.
Faculty of Social and Economic Sciences: R.P. GUSTAVO SUCRE, S.J. (acting).
Faculty of Humanities and Education: Dr. JOSÉ DEL REY, S.J.
Faculty of Engineering: Ing. JOSEBA LASOURAIN.

DIRECTORS:

School of Law: Dra. LEONOR ARAUJO DE SALGUEIRO.
School of Economics: Econ. RAFAEL LÓPEZ CASUSO.
School of Business Administration and Accounting: Dr. DOMINGO ACOSTA VIERA.
School of Philosophy: R.P. FRANCISCO ARRUZA, S.J.
School of Letters: Dra. BEATRÍZ BINDA DE SARTORIO.
School of Social Communication: R.P. IGNACIO IBAÑEZ.
School of Education: Lic. ARISTÓBULO PEÑA T.
School of Psychology: Dr. JOSÉ MIRET M.
School of Civil Engineering: Ing. JOSÉ ASAPCHI, S.J.
School of Industrial Engineering: Ing. FRANCISCO ARVELO LUJAN.
School of Basic Engineering: R.P. ADOLFO HERNÁNDEZ, S.J.
Institute of Historical Research: R.P. CESÁREO DE ARMELLADA.
Institute of Economics Research: Dr. CHI-YI-CHEN.

UNIVERSIDAD CENTRAL DE VENEZUELA

(Central University of Venezuela)
CIUDAD UNIVERSITARIA,
CARACAS
Telephone: 61 98 11.
Founded 1725.
State control; Language of instruction: Spanish.

Rector: Dr. MIGUEL LAYRISSE.
Academic Vice-Rector: Dr. A. J. MUSKUS.
Administrative Vice-Rector: Dr. MANUEL V. BENEZRA.
Secretary: Dr. JESÚS MORALES VALARINO.
Registrar: Dra. ELISA RAMÍREZ.
Librarian: Dra. ERMILA ELÍES DE PÉREZ PERAZZO.

Number of teachers: *c.* 2,700.
Number of students: 50,230.

Eleven faculties covering arts, sciences, law, medicine, engineering, and many specialist schools.

UNIVERSIDAD CENTRO-OCCIDENTAL

APDO. 400,
BARQUISIMETO, LARA
Telephone: 51-00-11.

Founded 1963 as Experimental Centre of Higher Education; University status 1968.

State control; Language of instruction: Spanish.

Rector: HÉCTOR OCHOA ZULETA.
Vice-Rector: RUBÉN ANTONIO DÍAZ.
Administrative Vice-Rector: ANGEL CARRILLO LUGO.
Secretary-General: JESÚS PARÍS MONTESINOS.
Librarian: Lic. PILAR DE JIMENEZ.

Number of teachers: 506.
Number of students: 9,712.

Publications: *Memoria* (annually), *Tarea Común* (quarterly), *Temas Universitarios* (quarterly), *Catálogo Ejecutivo* (annually), *El Veterinario* (6 a year), *Enfoques* (monthly).

DEANS:

Faculty of Administration and Accountancy: JUAN MEDINA LUGO.
Faculty of Agronomy: ORLANDO MOLINA.
Faculty of Sciences: FRANCISCO GUÉDEZ.
Faculty of Medicine: RAFAEL MARANTE OVIEDO.
Faculty of Engineering: PEDRO CASTILLO MANTILLA.
Faculty of Veterinary Medicine: JORGE HERNÁNDEZ ROVATI.

UNIVERSIDAD DE LOS ANDES*

MÉRIDA
Telephone: 3201-3205.

Founded 1785 as the Real Colegio Seminario de San Buenaventura de Mérida, became University 1810.

State control.

Rector: Dr. RAMÓN VICENTE CASANOVA ROA.
Academic Vice-Rector: Dr. RAFAEL ENRIQUE CHUECOS POGGIOLI.
Administrative Vice-Rector: Dr. LUIS FARGIER SUÁREZ.
Secretary: HERNÁN HERNÁNDEZ.
Librarian: A. F. RODRIGUEZ DE HERNÁNDEZ.

Number of teachers: 710.
Number of students: 21,500.

Publications: *Revista Forestal, Revista de Farmacia, Revista de Derecho, Humanidades,* Faculty yearbooks.

DEANS:

Faculty of Law: LUIS GONZÁLEZ BERTI.
Faculty of Humanities and Education: JUAN ASTERGA ANTA.
Faculty of Pharmacy: FERNÁNDO PÉREZ BARRE.
Faculty of Odontology: JUAN OMAR BRICEÑO BRICEÑO.
Faculty of Medicine: NÉSTOR LUIS LÓPEZ RODRÍGUEZ.
Faculty of Engineering: HERMES ESPINOZA SOSA.
Faculty of Economics: DARÍO SANCHEZ ACUÑA.
Faculty of Forestry: RAFAEL E. VILORIA DÍAZ.

Faculty of Architecture: Marcos Miliani.
Faculty of Sciences: José Vicente Scorza.

* No reply received to our questionnaire this year.

UNIVERSIDAD METROPOLITANA

APDO. 10,949, CARACAS 101
Telephone: 521775 and 521975.
Founded 1970.
Private Control.

President: Eugenio Mendoza.
Rector: Oscar Carpio, Arq.
Academic Vice-Rector: Dr. Gustavo Cosson L.
Administrative Vice-Rector: Dr. Rodolfo Moleiro.
Dean of Science: Dra. Francesca Pensieri.
Dean of Engineering: Dr. Juan Torrealba Morales.
Librarian: Marta Türk.

Heads of Departments:

Physics: Dr. F. Carboni.
Humanities: Prof. Michele Marcotrigiano.
Modern Languages: Dr. Diana Dàger.
Mathematics: Prof. Augusto Ansaloni.
Chemistry: Prof. Aquiba Mizrachi.
Administration: Dr. Hermógenes Moreno.
Chemical Engineering: Dr. George Kapo.
Mechanical Engineering: Dr. Simón Hernández.
Electrical Engineering: Dr. Raúl Arreaza.

UNIVERSIDAD NACIONAL EXPERIMENTAL DE LOS LLANOS OCCIDENTALES EZEQUIEL ZAMORA

APDO. POSTAL 19, BARINAS
Telephone: 24264, 23726.
Founded 1975.

An autonomous government-sponsored institute of higher education, serving the Los Llanos Occidentales region, and the States of Apure, Barinas, Cojedes and Portuguesa. Courses in agriculture and mechanization, economics, social development, regional planning, human ecology.

Rector: Dr. Felipe Gómez Alvarez.
Vice-Rector (Services): Dr. Humberto Jiménez Gonzáles.
Area Vice-Rectors: Dr. Martín Ramirez Blanco, Dr. Israel Tineo Gamboa, Dr. Pedro Urriola Muñoz, Dr. Juan Rivera Galvis.
Librarian: Lic. Zarabeth Molina.

The library contains 4,000 vols.
Number of teachers: 50.
Number of students: 1,820.

UNIVERSIDAD DE ORIENTE

CIUDAD UNIVERSITARIA,
APARTADO POSTAL 105,
CUMANÁ, ESTADO SUCRE
Telephone: 24855.
Founded 1958.
State control.

Rector: Dr. Pedro Cabello Poleo.
Academic Vice-Rector: Dr. Hugo Sánchez Medina.
Administrative Vice-Rector: Dr. Luis García Pelissier.
Secretary: Dr. Felipe Martín Salazar.
Registrar: Dr. Ramón Buonaffina Parra.
Director of the Libraries: Lic. Miguel A. Sánchez.

Library: *see* Libraries.
Number of teachers: 755.
Number of students: 10,473.

Publications: *Oriente Universitario* (monthly bulletin), *Revista de Ciencias Sociales, Boletín del Instituto Oceanográfico, Lagena, Boletín Informativo, Elan, Oriente Agropecuario, La UDO Investiga.*

Deans:

Faculty of Medicine: Dr. John Conde Brandt.
Faculty of Engineering: Dr. Alberto Ochoa D.
Faculty of Agronomy and Zootechny: Dr. Francisco Vilaché.
Faculty of Sciences, Social Sciences, Education and Administration: Prof. José J. Chaparro.
Basic Courses and Agriculture: Prof. Pablo González B.

Attached Institutes:

Instituto Oceanográfico: Dir. Prof. Gregorio Reyes V.

Instituto de Investigaciones Agropecuarias: Núcleo de Monagas, Jusepín, Monagas; Dir. Dr. Hermógenes Flores.

Centro de Investigaciones Boca de Rio: Núcleo de Nueva Esparta; Dir. Dr. Fernando Cervigón.

Nucleo Anzoátegui

(*Anzoátegui Campus*)
Puerto La Cruz, Anzoátegui
Founded 1965.

Director: Ing. Ignacio Cavero.

Heads of Schools:

School of Chemical Engineering: Ing. Gustavo Ramírez.
School of Electrical Engineering: Ing. Jupiter Figuere.
School of Mechanical Engineering: Dr. Luis García Pelicer.
School of Petroleum Engineering: Humberto Calderón Berti.
School of Technology: Ing. Orlando Ayala (acting).

Nucleo Monagas

(*Monagas Campus*)
Jusepín, Monagas
Founded 1961.

Dean: Ing. Pedro A. Beauperthuy.
Vice-Dean: Ing. Freddy F. Rondón C.

Heads of Schools:

School of Agricultural Engineering: Ing. Agr. César A. Boada S.
School of Zootechnics: Carlos Acuña.
Agricultural Research Institute: Ing. Oswaldo del Castillo (*Dir.*).

Nucleo Bolívar

(*Bolívar Campus*)
Ciudad Bolívar, Bolívar
Founded 1961.

Director: Dr. Carlos Pérez Cañas.

Heads of Schools:

School of Medicine: Dr. Carlos Pérez Tineo.
School of Engineering, Geology and Mines: Ing. Liberio Campos Plaz.
School of Basic Studies: Prof. Miguel Guevara M.

Nucleo Nueva Esparta

(*Nueva Esparta Campus*)
Porlamar, Nueva Esparta
Founded 1969.

Director: Prof. Jesús Rojas Velásquez.

UNIVERSIDAD RAFAEL URDANETA

APDO. 614, MARACAIBO
Telephone: 41-17-21.
Founded 1973.

Rector: Dr. Eloy Párraga Villamarín.
General Secretary: Dr. Jorge García Rincón.
Librarian: Lic. Angelina Oropeza de Gómez.

Deans:

Faculty of Political and Administrative Sciences: Dr. Salvador Leal Osorio.
Faculty of Stockbreeding: Dr. Hugo Vale Huerta.
Faculty of Engineering: Dr. Ramón Matheus Castillo.

UNIVERSIDAD DE SANTA MARIA*

AVDA. J. ANTONIO PÁEZ,
EL PARAISO, CARACAS
Founded 1953; Private control.

Rector: Dr. José Rafael Mendoza.
Secretary: Dr. Juan Bautista Fuenmayor Rivera.
Vice-Rector: Dr. José Ramón Berrizbeitia.

Number of teachers: *c.* 300.
Number of students: *c.* 4,500.

Deans:

Faculty of Economics: Dr. César Balestrini.
Director, School of Economics: Dr. Alberto Genatios.

Director, School of Administration: Lic. Luis F. Varela.
Faculty of Engineering: Dr. Humberto Ache Ramos.
Faculty of Law: Dr. Humberto Bello Lozano.
Faculty of Pharmacy: Dr. Raúl Sojo Bianco.

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* No reply received to our questionnaire this year.

UNIVERSIDAD SIMÓN BOLÍVAR

APDO. 5354, CARACAS
Telephone: 962-1101.
Founded 1970.

State control; Language of instruction: Spanish; Academic year: September to July.

Rector: Dr. Ernesto Mayz Vallenilla.
Academic Vice-Rector: Dr. Antonio José Villegas Delgado.
Administrative Vice-Rector: Dr. Freddy Arreaza Leáñez.
Librarian: Prof. Pedro Reixach.

Number of teachers: 672.
Number of students: 7,490.

Publications: *Boletín Universitario*† (fortnightly), *Revista Atlántida*†, *Revista Tiempo Real*†.

Deans:

General Studies: Dr. Victor Li Carrillo.
Professional Studies: Ing. Simón Spósito.
Postgraduate Studies: Dr. Simón Lamar.
Liberal Studies: Dr. José Giménez Romero.
Research: Dr. Ignacio Rodríguez Iturbe.

Division Directors:

Physics and Mathematics: Dr. Ignacio Iribarren Terrero.
Humanities and Social Sciences: Dra. Senta Essenfeld de Breuer.
Biological Sciences: Dr. Felipe Martín Salazar.

Attached Research Institutes:

Instituto del Petróleo: Dr. Juan Jones Parra.

Instituto de Tecnología y Ciencias Marinas: Dr. José Antonio Galavís.

Instituto de Investigaciones Educativas: Dr. Gerardo Tálamo.

Instituto de Altos Estudios de América Latina: Dr. Miguel Angel Burelli Rivas.

Instituto de Recursos Naturales Renovables: Dr. Antonio José Villegas Delgado (acting).

Instituto de Estudios Regionales y Urbanos: Dr. Omer Lares.

Instituto de Investigaciones Metalúrgicas: Dr. Joaquín Lira Olivares.

Instituto de Energía Eléctrica: Dr. Roberto Halmoguera.

Instituto de Investigación y Desarrollo Industrial: Dr. Esteban Bertha.

UNIVERSIDAD DE TÁCHIRA

CARRERA 14 CON CALLE 14,
APT. 366, SAN CRISTÓBAL,
EDO. TÁCHIRA
Telepnone: 31-3-90.

Founded 1962; fmrly. campus of Universidad Católica Andrés Bello.

Vice-Rector: R.P. César Humberto Niño, s.j.
Vice-Rector: Dr. Carlos Reyna, s.j.

Number of teachers: 110.
Number of students: 2,035.

Publication: *Revista U.C.A.B.E.T.* (twice yearly).

Directors:

School of Law: Dr. Julio Suárez Lozada.
School of Business and Administration: Lic. Conrado Contreras Pulido.
School of Education: R.P. César Humberto Niño, s.j.
School of Basic Engineering: Dr. José Antonio Bauirs.

UNIVERSIDAD DEL ZULIA

APDO. DE CORREOS 526,
MARACAIBO, EDO. ZULIA
Telephone: 515077-81 and 512077-81.

Founded 1891, closed 1904, reopened 1946.

State control; Academic year: February to December.

Rector: Dr. Humberto J. La Roche.
Academic Vice-Rector: Ing. Ricardo A. Carrillo M.
Administrative Vice-Rector: Dr. Armando Soto Escalona.
Secretary: Dr. Rafael Acosta Martínez.
Librarian: Lic. Sofía González.

Number of teachers: 1,415.
Number of students: 26,882.

Library: *see* under Libraries.

Publications: *Memoria y Cuenta de L.U.Z.*, *Periodico de L.U.Z.* (fortnightly), *Revista de L.U.Z.*, *Boletín Estadístico*, faculty reviews and information bulletins.

Deans:

Faculty of Law: Dr. José Antonio Borjas Sánchez.
Faculty of Humanities and Education: Lic. Angel Lombardi.
Faculty of Economic and Social Sciences: Econ. Dionisio Carruyo.
Faculty of Medicine: Dr. Darío Montiel Villasmil.
Faculty of Engineering: Ing. José Ch. Ferrer González.
Faculty of Agriculture: Ing. Agr. Jorge Urdaneta Galué.
Faculty of Dentistry: Dr. Heberto Jiménez Navas.
Faculty of Architecture: Ing. Oscar García Arenas.
Faculty of Veterinary Sciences: Dr. Guillermo Olano Vílchez.
Faculty of Experimental Sciences: Ing. Alfonso Añez Maya.

Directors:

School of Law: Dr. Armando Fuenmayor Villasmil.
School of Medicine: Dr. Humberto Méndez Romero.
School of Dentistry: Dr. Luis Barrios Carvajal.
School of Nutrition and Dietetics: Lic. Miriam de Costabella.
School of Nursing: Lic. Francisca Estrada.
School of Economics: Econ. Aura Bavaresco de Prieto.
School of Business Administration and Accountancy: Lic. Edgar Vinicio Nava.
School of Agricultural Engineering: Ing. Agr. Enio Wilhelm Rubio.
School of Petroleum Engineering: Ing. Nelson Cardozo.
School of Civil Engineering: Ing. Antonio Cova.
School of Geodetic Engineering: Ing. Jesús Morón.
School of Chemical Engineering: Ing. Pierre Lichaa.
School of Mechanical Engineering: Ing. Rafael Hoiro.
School of Journalism: (vacant).
School of Education: Lic. Yolanda Avila de Pirela.
School of Letters: Lic. Carlos Sánchez.
School of Philosophy: Dr. Antonio Pérez Estevez.
School of Architecture: Arq. Avelino Casado Parrondo.
School of Veterinary Science: Dr. Angel Rafael Chirinos.
School of Bio-Analysis: Lic. Estela Sánchez de Fernández.
Department of General Studies (Maracaibo): Rubén Prieto.
Department of General Studies (Punto Fijó): Lic. Jacinto Lugo.
Department of General Studies (Cabimas): Lic. Pedro Mavarez.
Department of Basic Engineering: Dr. Jesús Ortega González.

Attached Research Institutes:

Centro de Investigaciones Criminológicas (*Research Centre of Criminology*): Dir. Dra. Lola Aniyar de Castro.

Instituto de Medicina del Trabajo (*Institute of Labour Medicine*): Dir. Dr. Rafael Quevedo.

Instituto de Investigaciones Clínicas (*Institute of Clinical Research*): Dir. Dr. Américo Negrette.

Instituto de Cálculo Aplicado (*Institute of Applied Calculus*): Dir. Juan Simón Márquez.

Instituto de Investigaciones Odontológicas (*Research Institute of Dentistry*): Dir. Dr. Gustavo Jiménez Maggiolo.

Centro de Investigaciones Económicas (*Institute of Economic Research*): Dir. Econ. Nárciso Hernández.

Centro de Investigaciones Humanisticas (*Humanities Research Centre*): Dir. Lic. Noemí de Pérez.

Centro de Estudios Literarios (*Centre for Literary Studies*): Dir. Dr. José A. Castro.

Centro de Documentación e Información Pedagógica (*Centre for Educational Documentation and Information*): Dir. Lic. Inés Laredo.

Centro de Estudios Matemáticos (*Centre for Mathematical Studies*): Dir. Lic. Wiliberto Díaz.

Unidad de Investigación Biológica (*Biological Research Unit*): Dir. Dr. Orlando Castejón.

Centro de Orientación: Dir. Lic. Edelmira Duarte de Aquaviva.

Centro de Investigaciones Urbanas y Regionales (*Centre for Urban and Regional Research*): Dir. Arq. Ramón Pérez Rodríguez.

Instituto de Filosofía del Derecho (*Institute of Legal Philosophy*): Dir. Dr. José Manuel Delgado O.

Unidad Regional de Genética (*Regional Unit for Genetics*): Dir. Dr. Heber Villalobos.

Centro de Cirugía Experimental (*Centre for Experimental Surgery*): Dir. Dr. José L. García Díaz.

Centro Estación Biológica "Kasmera" (*"Kasmera" Biological Station*): Dir. Dr. Adolfo Pons.

Instituto de Investigaciones Petroleras (*Centre for Petroleum Research*): Dir. Ing. Rolando López.

Centro de Estudios de la Empresa (*Centre for Business Studies*): Lic. Juan Laya Baquero.

Centro de Investigaciones Biológicas (*Centre for Biological Research*): Lic. Lope García Pinto.

Centro Audiovisual (*Audiovisual Centre*): (vacant).

Centro de Estudios para Graduados—Facultad de Economía (*Centre for Graduate Studies—Faculty of Economics*): Econ. Dámaso Campos Suárez.

Centro de Estudios Filosóficos (*Centre for Philosophical Studies*): Lic. Angel Bustillos.

Instituto de Investigaciones Agronómicas (*Institute of Agricultural Research*): Ing. Agr. Edmundo Rubio Espina.

Centro Experimental de Producción Animal (*Experimental Centre for Animal Production*): Dr. José Domingo Picón.

COLLEGE

INSTITUTO UNIVERSITARIO POLITÉCNICO

APDO. POSTAL 539,
BARQUISIMETO, ESTADO LARA
Telephone: 051-41-10-01/05.

Founded 1962.

Mechanical, Electrical, Chemical, Metallurgical and Electronic Engineering; Mechanical and Electrical Technology.

Director: Ing. Matías Pérez.

Academic Sub-director: Ing. José Mariano Navarro.

Administrative Sub-director: Econ. Edgar Urbaez.

Number of teachers: 160.
Number of students: 2,600.

Publication: *Catálogo*† (annually).

SCHOOLS OF ART AND MUSIC

Academia de Bellas Artes "Neptali Rincón" (*School of Plastic Arts*): Centro Vocacional Dr. O. Hernández, Avenida El Milagro, Maracaibo; f. 1957; courses in painting, sculpture, ceramics, etc.; 12 teachers, 300 students; Dir. Prof. I. Rossi.

Academia de Música "Padre Sojo" (*Padre Sojo Academy of Music*): Avenida Los Granados, La Castellana; P.O.B. 60479 Este, Caracas; Dir. Prof. José Antonio Calcaño.

Academia de Música Fischer (*Fischer Academy of Music*): Edif. Léon de San Marco, Avda. Ciencias y Calle Risquez, Los Chaguaramos, Caracas; Dir. Carmen de Fischer.

Conservatorio de Música "José Luis Paz": Maracaibo; administered by the Instituto Zuliano de la Cultura (*q.v.*); Dir. Prof. Luis Soto Villalobos.

Conservatorio Italiano de Música (*Italian Conservatoire of Music*): Edif. Centro Venezolano-Italiano de Cultura, Avda. Anauco, Colinas de Bello Monte, Caracas; Dir. C. Galzio.

Escuela de Artes Plásticas y Artes Aplicadas "Cristóbal Rojas" (*Cristóbal Rojas School of Plastic and Applied Arts*): Plaza Morelos, Caracas; f. 1936; Dir. Luis Domínguez Salazar.

Escuela Nacional de Opera (*National School of Opera*): Dirección de Cultura y Bellas Artes del Ministerio de Educación, Este 2 con Sur 25, El Conde, Los Caobos, Caracas; Dir. Primo Casale.

Escuela Superior de Música "José Angel Lamas" (*Lamas High School of Music*): Veroes a Santa Capilla, Caracas; f. 1887; Dir. Vicente Emilio Sojo.

VIET-NAM

Population 46,523,000

LEARNED SOCIETIES

Hanoi

Association of Biology.

Association of Chemistry.

Association of Eastern Medicine.

Association of Electricity.

Association of Geography.

Association of Mathematics.

Association of Physics.

Association of Radio.

Building Association.

Cast and Metallurgy Association.

Engineering Association.

Federation of Medical Associations: includes the following:

Association of Internal Medicine.
Association of External Medicine.
Association of Obstetrics and Gynaecology.
Association of Paediatrics.
Association of Prophylactic Hygiene.
Odonto-Maxillo-Facial Association.
Association of Ophthalmology and Trachoma.
Oto-Rhino-Laryngology Association.
Association of Dermatology and Venereal Diseases.
Association of Tuberculosis.
Association of Radiology.
Association of Medical Biochemistry.
Association of Neuro-Psychiatry and Surgery.

Mining Association.

Viet-Nam Association for the Popularization of Scientific and Technical Knowledge.

Viet-Nam Fine Arts Association.

Viet-Nam Institute of Literature: Dir. HOANG TRUNG THONG.

Viet-Nam Journalists' Association.

Viet-Nam Musicians' Association.

Viet-Nam Theatrical Artists' Association.

Viet-Nam Writers' Association.

RESEARCH INSTITUTES

Hanoi

State Committee for Science and Technology: organizes research at the universities and the institutes attached to the Ministry of Higher Education.

Institute for Sciences: f. 1975; organizes the research carried out by institutes and laboratories in North and South Viet-Nam, particularly in the priority fields of agriculture and medicine.

Fresh Water Fish Research Station: attached to the General Direction of Fresh Water and Sea Products.

Institute for Research on the Technology of Communication: attached to the Ministry of Communications and Transport.

Institute of Agricultural Sciences: attached to the Ministry of Agriculture.

Institute of Building Materials: attached to the Ministry of Construction.

Institute of Eastern Medicine: attached to the Ministry of Public Health.

Institute of Forestry: attached to the Ministry of Forestry.

Institute of Hygiene and Epidemiology: attached to the Ministry of Public Health.

Institute of Malariology, Parasitology and Entomology: attached to the Ministry of Public Health.

Institute of Materia Medica: attached to the Ministry of Public Health.

Institute of Ophthalmology: attached to the Ministry of Public Health.

Institute of Tuberculosis: attached to the Ministry of Public Health.

Sea Fish Research Station: attached to the General Direction of Fresh Water and Sea Products.

Sea Products Research Station: attached to the General Direction of Fresh Water and Sea Products.

Dalat

Centre for Nuclear Research: P.O.B. 60, Dalat; f. 1962; devoted to the peaceful uses of atomic energy, particularly in agriculture and medicine; 250 kW. Triga Mk. 2 Reactor; library of 10,000 vols., 25,000 microfilms; 30 technicians.

Pasteur Research Institute: Dalat.

Ho Chi Minh City

Institute of Agricultural Research: 121 Ngugen-binh-Khiem; f. 1965; research into agricultural methods, improvement and applications, etc.

Institute of Bacteriology and Animal Pathology: f. 1957.

Institute of Chemistry of Natural Substances: f. 1975.

Nha-Trang

Viên Nghiên Cuu Bién Viet-Nam (*Oceanographic Institute of Viet-Nam*): Nha-Trang; f. 1922; biological and physical oceanography; seismographic station; collections hall; aquarium; reference library; 200 staff; library of 55,000 vols.; Dir. Dr. LÊ TRONG PHÁN (acting); publ. *Marine Research Bulletin*.

LIBRARIES

National Library: Hanoi; 900,000 vols.

National Library II: 69 Gia-Long, Ho Chi Minh City; f. 1976; 355,000 vols.

Scientific Library: Hanoi; 200,000 vols.

Social Sciences Library: 34 Ly-Tú-Trong, Ho Chi Minh City; f. 1975; the collections of the fmr. Archaeological Research Institute have been added to the library; provides facilities for research in philosophy, sociology, literature, linguistics, archaeology, ethnology, history, economics, law.

MUSEUMS

Army Museum: Hanoi.

Dien-Bien-Phu Museum: Dien-Bien-Phu.

Haiphong Museum: Haiphong.

Historical Museum: Hanoi; f. 1958.

Ho Chi Minh City Museum: P.O.B. 2512, Botanical Gardens, Ho Chi Minh City; f. 1929; the 14 rooms contain objects relating to the different civilizations which have evolved over the Indochinese Peninsula; ethnology, history, ancient arts, numismatics and archaeology sections.

Hong Quang Museum: Hong-Gai.

Hung Yen Museum: Hung-Yen.

Museum of Hué: Hué.

Revolution Museum: Hanoi.

Soviet Nghe-Tinh Museum: Vinh.

Viet Bac Museum: Thai-Nguyen.

Viet-Nam Fine Arts Museum: 66 Nguyen Thái Hoc St., Hanoi; f. 1966; Dir. NGUYEN VĂN Y.

UNIVERSITIES

TRUONG DAI-HOC TONG-HO'P

(University of Hanoi)

23 BLVD. LE-THAUH-TON, HANOI

Re-founded 1956.

Academic year: September to July.

Rector: NGUY-NHU'-KONTUM.

Number of teachers: *c.* 150.
Number of students: *c.* 1,500.
Library: *c.* 62,000 vols.

The University engages in research and practical work in factories and co-operative farms, and participates in the scientific research of the State Committee for Science and Technology.

Publication: *Tâp-san Dai-Hoc* (University Review).

Faculties of natural sciences, geology and geography, literature and philology, history, and Vietnamese language (for foreign students).

VIÊN DAI-HOC HUÊ

(University of Hué)

3 RUE LE LOI, HUÉ

Founded 1957, reorganized 1975–76.

State control.

Number of teachers: *c.* 300.
Number of students: *c.* 6,400.

Faculties of letters, sciences, law and economics.

VIÊN DAI-HOC THANH PHO HO CHI MINH

(University of Ho Chi Minh City)

3 CÔNG-TRUONG CHIÊN-SI, HO CHI MINH CITY

Telephone: 90-936.

Founded 1917 as Université Indochinoise; became the University of Saigon, 1955, reorganized 1975/76 to include 11 former colleges of higher education.

Number of teachers: *c.* 1,400.
Number of students: *c.* 25,000.

Departments of letters, sciences, agriculture, architecture, economics, medicine and pharmacy, education, technical education, engineering.

COLLEGES

HANOI

College of Communications and Transport.

College of Constructional Engineering.

College of Mining and Geology.

College of Telecommunications: f. 1960.

Hydraulic Engineering Institute: f. 1959; departments of General Hydraulics and Electrical Engineering.

Industrial Fine Arts College.

Institute of Mechanical and Electrical Engineering.

Institute of Light Industry.

Polytechnic Institute: f. 1956; departments of Mechanics and Metallurgy, Electrical Engineering, Mining and Geology, Construction, Industrial Chemistry.

CANTHO

Higher School of Agriculture.

DALAT

Higher Training School for Technicians and Research Workers.

DANANG

Higher Polytechnic School.

HUÉ

Higher School of Medicine.

TÂY NGUYÊN

Higher School for Training Cadres.

There are teacher training colleges in Cantho and Hué.

WESTERN SAMOA

Population 151,000

LIBRARIES

Nelson Memorial Public Library: P.O.B. 598, Apia; f. 1959; 36,000 vols.; 2 bookmobiles with a film projector operate on Upolu and Savaii with an organized programme for schools; Senior Librarian Miss MATAINA TUATAGALOA TE'O.

Avele College Library: 5,000 vols. serving 260 students.

COLLEGES

AVELE COLLEGE

P.O.B. 45, APIA

Founded 1924, under Education Department from 1966. Provides four-year courses.

Principal: P. B. BOAG, B.SC.

Number of students: 260, including students from the Tokelau Islands.

University of the South Pacific School of Agriculture: P.O.B. 890, Alafua; f. 1966; academic year: February to December; library of *c.* 15,000 vols.

Principal: FELIX S. WENDT, PH.D.

Offers three-year diploma and degree courses.

YEMEN ARAB REPUBLIC

Population 6,471,000

British Council: P.O.B. 2157, Sinan Abu Luhum Building, Sana'a; f. 1974; library of 5,247 vols., 40 periodicals; Rep. R. W. H. CHARLTON; Regional Librarian (vacant) (based in Sudan).

Library of the Great Mosque of Sana'a: Sana'a; f. 1925; the collection of 10,000 MSS. and printed vols. is not at present accessible to the public; Librarian ZAID BIN ALI ENAN.

SANA'A UNIVERSITY

P.O.B. 1247, SANA'A
Telephone: 3443.
Founded 1970.

State control; financial support from Kuwait; Languages of instruction: Arabic and English; Academic year: October to June.

President: Dr. ABDUL KARIM EL-ERYANI.
Vice-President: Dr. MOHAMED MOTAHER.
Secretary-General: SALEM M. AL-SAQQAF.
Librarian: FATHI AL-SHAFEI.

Number of teachers: 89.
Number of students: 3,139.

Publications: *University News* (monthly, Arabic), *Research Journal of the Department of English.*

DEANS:

Faculty of Arts: Dr. M. MANDOUR.
Faculty of Law and Sharia: Dr. H. AL-MARSAFAWI.
Faculty of Commerce and Economics: Dr. SAMA'AN BUTROSS.
Faculty of Science: Dr. A. MUHSIN AL-ABBADY.
Faculty of Education: Dr. M. ABDO GHANEM.

Kulliat Asshari'a Wa Alqanun (*Faculty of Islamic Law*): Sana'a; f. 1970.

There are also six vocational schools, a Military Academy, a College of Aviation, a College for Radio Telecommunications and an Agricultural School.

PEOPLE'S DEMOCRATIC REPUBLIC OF YEMEN

(SOUTHERN YEMEN)

Population 1,742,000

LIBRARIES AND MUSEUMS

Miswat Library: previously called Lake Library; administered by Aden Municipality; *c.* 30,000 vols., in English, Arabic and Urdu.

Teachers' Club Library: over 2,000 vols.

Travelling Library: ancillary to Miswat Library; administered by Aden Municipality; *c.* 9,500 vols., in English and Arabic.

Department of Antiquities and Museums: P.O.B. 473, Ministry of Culture and Guidance, Aden; f. 1948; for the protection of antiquities and archaeological sites, the supervision of museums, investigation and survey of sites and application of the Antiquities and Museums Ordinance; Dir. MUHAMMAD ABDULWAHED; publs. Reports and Bulletins.

There are two museums, one in Crater and the other in Steamer Point, both displaying archaeological material.

UNIVERSITY

UNIVERSITY OF ADEN

AIRPORT RD., KHORMAKSAR, ADEN
Founded 1975; in process of formation.

Faculties of education, agriculture, economics, commerce, law, medicine and engineering.

YUGOSLAVIA

Population 21,968,000

ACADEMIES

Jugoslavenska akademija znanosti i umjetnosti (*Yugoslav Academy of Sciences and Arts*): Zagreb 1, Zrinski trg 11; f. 1867; comprises 17 Institutes for History, Language and Literature, Biology, Chemistry, Research and Art; library of 170,000 vols.; publs. *Rad* (Memoirs), *Ljetopis* (annual), *Bulletin International Starine*, and material dedicated to the history of Croatian Literature.

President: Dr. JAKOV SIROTKOVIĆ.

Vice-Presidents: Dr. ANDRE MOHOROVIČIĆ, Dr. BRANKO KESIĆ.

General Secretary: Dr. HRVOJE POŽAR.

Director of Library: Dr. ALEKSANDAR STIPČEVIĆ.

HONORARY MEMBERS:

TITO, JOSIP BROZ.

MEMBERS:

Social Sciences:
BAKARIĆ, Dr. VLADIMIR.
BRAJKOVIĆ, Dr. VLADISLAV.
ČALIĆ, Dr. DUŠAN.
GUNJAČA, Dr. STJEPAN.
KATIČIĆ, Dr. NATKO.
RENDIĆ-MIOČEVIĆ, Dr. DUJE.
SIROTKOVIĆ, Dr. JAKOV.
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Music:
ANDREIS, JOSIP.
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ŠULEK, STJEPAN.

Makedonska akademija na naukite i umetnostite (*Macedonian Academy of Sciences and Arts*): 91000 Skopje, P.O.B. 428; f. 1967; publs. *Letopis* (annual), *Prilozi na Oddelenieto za opštestveni nauki* (Contributions of the Section of Social Sciences), *Prilozi na Oddelenieto za prirodno-matematički nauki* (Contributions of the Section of Natural Sciences and Mathematics), *Posebni izdanija* (Special Editions), *Povremeni izdanija* (Non-serial Editions).

The library contains 60,000 vols.

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Slovenska akademija znanosti in umetnosti (*Slovene Academy of Sciences and Arts*): 61000 Ljubljana, Novi trg 3; f. 1921 as Scientific Society for Humanistic Researches; reorganized 1938 as Slovene Academy of Sciences and Arts; comprises Institutes for General and National History, History of Art, Archaeology, Oriental Studies, the Slovene Language, Slovene Ethnography, Literature, Terminology, Biology, Palaeontology, Geography, Karst Research, Medicine; publs.† *Annual Report, Slovene Biographical Lexicon, Dissertationes, Opera, Acta archaeologica, Acta geographica, Acta Carsologica, Fontes rerum Slovenicarum, Traditiones*, etc.

The Library contains 270,000 vols.

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Bajec, Anton
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Vavpetič, Lado
Vidav, Ivan
Vidmar, Josip
Zwitter, Fran
Župančič, Andrej

Srpska Akademija nauka i umetnosti (*Serbian Academy of Sciences and Arts*): Belgrade, Knez Mihailova ulica 35; f. 1886.

President: Pavle Savić.

Vice-Presidents: Dušan Kanazir, Vojislav Djurić.

Secretary: Milutin Garašanin.

Comprises the following Sections: Natural Sciences and Mathematics, Medical Sciences, Technical Sciences, Language and Literature, Social Sciences, Historical Sciences, Fine Arts (painting and music).

Publications: *Godišnjak SANU* (Annual), *Glas* (Review, in French and English), *Posebna izdanja* (Special editions), *Vanserijska izdanja* (Non-serial editions), *Povremena izdanja* (Periodical editions), *Predavanja* (Lectures), *Rečnik srpskohrvatskog jezika* (Dictionary of Serbo-Croatian Language), *Muzička izdanja* (Musical editions), *Bilten SANU* (Bulletin), etc.

Full Members:

Aljančić, Slobodan, mathematician.
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Arnovljević, Vojislav, cardiologist.
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Belić, Jovan, biologist.
Borić, Dušan, physician.
Božović, Borislav, physician.
Čelebonović, Marko, painter.
Ćopić, Branko, writer.
Ćosić, Dobrica, writer.
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Djurišić, Milutin, bacteriologist.
Garašanin, Milutin, archaeologist.
Gligorić, Velibor, writer.
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Isaković, Antonije, writer.
Josifović, Mladen, phytopathologist.
Kanazir, Dušan, biologist.
Kardelj, Edvard, sociologist.
Kašanin, Radivoje, mathematician.
Kojić, Branislav, architect.
Kostić Mita, historian.
Krleža, Miroslav, writer.
Lalić, Mihailo, writer.
Lazarević, Djordje, engineer.
Leskovac, Mladen, literary historian.
Lukić, Radomir, philosophy jurist and sociologist.
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Martinović, Petar, biologist.
Matić, Dušan, writer.
Mićović, Vukić, chemist.
Mihailović, Mihailo, chemist.
Milosavljević, Miodrag, engineer.
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Papo, Isidor, surgeon.
Pavlović, Stojan, mineralogist.
Petković, Kosta V., geologist.
Petković, Sava, surgeon.
Pivko, Svetopolk, engineer.
Popović, Petar, historian.
Radojčić, Svetozar, art historian.
Rajičić, Stanojlo, composer.
Ristić, Jovan, neuro-psychiatrist.
Ristić, Milan, composer.
Savić, Dimitrije, engineer.
Savić, Payle, physicist.
Selimović, Meša, writer.
Spužić, Vladimir, physician (allergologist).
Stanković, Bogoljub, mathematician.
Stefanović, Djordje, chemist.
Stefanović, Stanoje, physician.
Stevanović, Mihailo, philologist.
Stevanović, Milutin, chemist.

LEARNED SOCIETIES

Stevanović, Petar, geologist.
Terzin, Aleksandar, virologist.
Tešić, Zivojin, microbiologist.
Tomić, Miodrag, mathematician.
Tucakov, Jovan, pharmacologist.
Vukdragović, Mihailo, composer.
Zeželj, Branko, engineer.

Federal

Association of the Mathematicians', Physicists' and Astronomers' Societies of the F.S.R. of Yugoslavia: Belgrade, Knez Mihailova 35, P.O.B. 791; f. 1950; Dir. Dr. Blagoj Popov; publs. *Topologija, Matematica balkanica, Matematički list za učenike osnovnih škola, Fizika, Matematičko-fizički list za učenike srednjih škola, Bilten* (Astronomy).

Jugoslovenski Centar za Tehničku i Naučnu Dokumentaciju (*Yugoslav Centre for Technical and Scientific Documentation*): Belgrade, S. Penezića-Krcuna 29-31, P.O.B. 724; f. 1952; information retrieval, translation, reproduction and editorial activities; library of over 770,000 vols.; Dir. Alexsić Miodrag; publs. *Bulletin of Documentation*† (24 series, abstracts from technical literature), *Informatika*† (theory and practice of documentation and information), *Bibliography on Automatic Data Processing*†, *World and Yugoslav Scientific Meetings*†, *UDC—Editions (FID)*†, *Microfilm techniques*†.

Pedagogical Society of the F.S.R. of Yugoslavia: Belgrade, Moše Pijade 12; f. 1952; Pres. Dr. Radule Sekulić; publs. *Pedagogíja, Predškolsko dete.*

Savez društava bibliotekara Jugoslavije (*Federation of Library Associations*): 71000 Sarajevo, Obala 42.

Savez Muzejskih društava Jugoslavije (*Federation of Museums Associations*): Belgrade, Vuka Karaclžića 18; publ. *Muzeji.*

Union of Engineers and Technicians of Yugoslavia: Belgrade, Kneza Miloša 9/11, P.O.B. 187; f. 1841; social, scientific-professional organization; eight territorial sub-divisions, eleven professional sub-divisions and four specialized societies; Chair. Prof. Dr. Ing. Dime Lazarov; Sec. Dr. Ing. Petar Radičević; publs. *Tehnika*† (monthly), *It Novine*† (weekly).

Comprises the following federations, etc.:

Territorial:

Union of Engineers and Technicians of Serbia.
Union of Engineers and Technicians of Croatia.
Union of Engineers and Technicians of Slovenia.
Union of Engineers and Technicians of Bosnia and Herzegovina.
Union of Engineers and Technicians of Macedonia.
Union of Engineers and Technicians of Montenegro.
Union of Engineers and Technicians of Vojvodina.
Union of Engineers and Technicians of Kosovo.

Professional:

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Union of Civil Engineers and Technicians of Yugoslavia.
Union of Engineers and Technicians for Protection of Materials of Yugoslavia.
Union of Mechanical and Electrical Engineers and Technicians of Yugoslavia.
Union of Agricultural Engineers and Technicians of Yugoslavia.
Union of Mining, Geological and Metallurgical Engineers and Technicians of Yugoslavia.
Union of Transportation and Communications Engineers and Technicians of Yugoslavia.
Union of Textile Engineers and Technicians of Yugoslavia.
Union of Chemists and Technologists of Yugoslavia.
Union of Forestry and Wood Processing Engineers and Technicians of Yugoslavia.

Specialized Societies:

Yugoslav Union of Organizations for Quality Control and Reliability.
Yugoslav Society for Soil Mechanics and Subterranean Works.
Yugoslav Society for Rock Mechanics and Underground Works.
Union of Societies for the Advancement of Standardization.

Union of Jurists' Associations of Yugoslavia: Belgrade, Proleterskih brigada 74, P.O.B. 179; f. 1947; aims include: the study and elaboration of the principles of socialist democracy and law of the Republic, and co-operation with the foreign and international legal organizations; Pres. Mihailo Djordjevic; 10,000 mems.; publs. include *The New Yugoslav Law.*

Yugoslav Economists' Association: Belgrade, Nušićeva 6/III; f. 1945; Pres. Dr. France Černe; publ. *Ekonomist* (quarterly).

Zajednica Jugoslovenskih Univerzitéta (*League of Yugoslavian Universities*): Palmoticeva 22, Belgrade 11000; Pres. Dr. Slavko Borojević; Sec.-Gen. Tihomir Vulovič.

Serbia

Association of Jurists of the S.R. of Serbia: Belgrade, Proleterskih brigada 74; f. 1946; Pres. Čeda Milošević; publ. *Pravni život.*

Association of Pharmacists of the S.R. of Serbia: Belgrade, Terazíje 12; f. 1946; Pres. Ljubomir Šarović; publs. *Arhiv za farmaciju, Bilten.*

British Council: Generala Ždanova 34, 11001 Belgrade; Rep. Dr. D. S. Coombs; libraries: *see* Libraries.

Centre Culturel Français: Zmaj Jovina 11, 11000 Belgrade; f. 1950; library of 27,000 vols.; Dir. J.-C. Mothe.

Društvo Bibliotekara S.R. Srbije (*Librarians' Society of the S.R. of Serbia*): Belgrade, Skerlićeva 1; f. 1947; Pres. Stanija Gligorijević; publ. *Bibliotekar* (The Librarian, every 2 months).

Društvo za Srpski Jezik i Književnost (*Society of Serbian Language and Literature*): Belgrade University; f. 1910; Pres. P. Stevanović; Sec. D. Pavlović; publ. *Pritozi za knjizevnost, jezik, istorija i folklor.*

Economists' Society of the S.R. of Serbia: Belgrade, Nusićeva 6-III, P.O.B. 490; f. 1944; Pres. Bogoljub Stojanović; publ. *Ekonomika preduzeća* (monthly).

Historical Society of the S.R. of Serbia: Belgrade, Faculty of Philosophy, Studentski trg 1; f. 1948; Pres. Pera Milosavljević; publ. *Istorijski glasnik.*

Matica srpska (*Serbian Society*): Novi Sad; f. 1826; literary, scientific and publishing society; Sec. Boško Petrović; publs. *Letopis Matice srpske* and *Proceedings* (in the following series: natural sciences, history, social sciences, literature and language, philology and linguistics, art, Slavonic studies).

"Nikola Tesla" Association of Societies for Promotion of Technical Sciences in Yugoslavia: Belgrade, P.O.B. 359; organizes an international festival of scientific and technical films, held every two years.

Savez pedagoških društava S.R. Srbije (*Federation of Pedagogical Societies of the S.R. of Serbia*): Belgrade, Terazije 26; fmrly. *Pedagogical Society of the S.R. of Serbia*, f. 1923, reorganized 1950; name changed and reorganized 1977; 11 units; 800 mems.; library of 8,000 vols.; Pres. Dr. Vladeta Tešić; Sec. Zemira Ptiček; publs. *Nastava i va spitanje*† (Teaching and

Education, 5 a year), *Pedagoška Biblioteka*† (Pedagogical Library, occasionally).

Serbian Chemical Society: Belgrade, Karnegijeva 4; f. 1897; about 2,000 mems.; Pres. Aleksandar Despić; Gen. Sec. Aleksandar Despić; publs. *Glasnik hemijskog društva Beograd* (11 a year), *Hemijski pregled* (6 a year), *Yugoslav Chemical Papers* (12 a year).

Serbian Geographical Society: Belgrade, Studentski trg 3; f. 1910; 1,300 mems.; small library; Chair. Prof. Dr. D. Ž. Dukić; publs. *Bulletin*† (2 a year), *Terre et Hommes, Globus, Editions Spéciales*†.

Serbian Geological Society: Belgrade, Kamenička 6, P.O.B. 227; f. 1891; 500 mems.; library of *c.* 2,000 vols.; Pres. Miloš Pavlović; publ. *Zapisnici zborova*† (Reports, annually).

Society of Mathematicians, Physicists and Astronomers of Serbia: Belgrade, Knez Mihailova 35; f. 1948; Pres. Dr. Djordje Karapandžić; publ. *Vesnik.*

Society for Research and Prevention of Cancer: Belgrade, Knez Mihailova 2; f. 1967; Pres. Dr. Vladeta Popović.

Srpsko biološko društvo (*Serbian Biological Society*): 11000 Belgrade, Nemanina 26; f. 1947; 780 mems.; Pres. Dimitrije Avramović; Sec. Dr. Anka Dinić; publs. *Arhiv bioloških nauka* (Archives of Biological Sciences), *Savremena biologija* (Contemporary Biology).

Union of the Societies of Engineers and Technicians of the S.R. of Serbia: Belgrade, 7 Kneza Miloša; f. 1945; 8,014 mems.; Pres. V. Dragović; Vice-Pres. B. Nešović; Sec. S. Vujadinović; publ. *Tehnika* (monthly).

Croatia

British Council: Ilica 12/I, 41001 Zagreb; Regional Dir. P. L. Elborn; library: *see* Libraries.

Croatian Library Association: National and University Library, 41000 Zagreb, Marulićev trg 21; f. 1948; its object is to promote librarianship in Croatia; 750 mems.; Pres. Vera Mudri Škunca; Sec. Nada Gomerčić; publs. *Vjesnik bibliotekara Hrvatske* (quarterly), *Knjiga i citaoci* (6 a year).

Economists' Society of Croatia: Zagreb, Berislavićeva 6.

Geographical Society of Croatia: Zagreb, Marulićev Trg. 19; f. 1947; 350 mems.; library of 1,215 vols.; Pres. Prof. Dr. Miroslav Sić; publs. *Geografski glasnik*† (annual), *Geografski horizont*† (quarterly).

Hrvatsko numizmatičko društvo (*Croatian Numismatic Society*): 41000 Zagreb, Habdeliceva 2; f. 1928; Pres. Dr. Ivo Meixner; Sec. Dipl. Ing. Gjuro Krasnov; publs. *Numizmatičke vijesti, Bilten Hrvatskog numizmatičkog Društva.*

Hrvatsko Prirodoslovno Društvo (*Croatian Society of Natural Sciences*): Zagreb, Ilica 16; f. 1885; Chair. Prof. Dr. Josip Kovaćevic; Sec. Prof. Dr. H. Gamulin-Brida; publs. *Priroda* (Nature), *Periodicum Biologorum*†, collection of scientific works on biological problems, *Zemlja i Svemir* (Earth and Universe), *Homo kaj Kosmo*† (Man and Universe).

The Society has the following three sub-sections:

Section of Astronomy: Astronomical Amateur Observatory, Zagreb, Opatička 22; publs. *Zemlja i Svemir* (Earth and Universe), *Homo kaj Kosmo* (Man and Cosmos).

Biological Section.

Section for the Protection of Nature.

League of Jurists' Associations of the S.R. of Croatia: Zagreb, Zrinski trg 3.

Matica Hrvatska (*Croatian Society*): Zagreb, Matičina ul. 2; f. 1842; literary and publishing society.

Pedagoško-književni zbor, Pedagoško društvo S.R. Hrvatske (*Pedagogical and Literary Union of Croatia*): Zagreb, Trg. Maršala Tita 4; member of the Union of Pedagogical Societies of Yugoslavia, Belgrade.

Pharmacists' Society of the S.R. of Croatia: 41000 Zagreb, Masarykova 2; f. 1945; 2,000 mems.; library of 3,000 vols.; Chair. Dr. Bosiljka Jardas; publ. *Farmaceutski glasnik* (monthly).

Physicians' Association of Croatia: Zagreb, Šubićeva ul. 9.

Savez Muzejskih društava Hrvatske (*Federation of Museums Associations of Croatia*): 41000 Zagreb, Savska cesta 18; f. 1945; 385 mems.; Pres. Vladimir Galeković; Sec. Milan Kruhek; publ. *News of Museum Custodians and Conservator Scientists of Croatia* (*Yugoslavia*) (every 2 months).

Society for Promoting the Activities of the Technical Museum of Croatia: Zagreb, Savska c.18; f. 1955; Pres. Ing. Herman Mattes; Sec. Predrag Grdenić.

Union of the Societies of Engineers and Technicians of the S.R. of Croatia: Zagreb, Berislavićeva 6; f. 1970; 3,017 mems.; library of 5,000 vols.; Chief Officer Prof. Dr. Ing. Ervin Nonveiller; publ. *Gradevinar.*

Slovenia

Association of Engineers and Technicians of Slovenia: Erjavčeva 15, Ljubljana; f. 1953; organizes conferences, lectures, exhibitions; 60 affiliated unions, library of 95,000 vols.; Dir. Franc Cačovič; publ. *Nova proizvodnja*† (2 a month).

Društvo matematikov, fizikov in astronomov S.R.S. (*Association of Mathematicians, Physicists and Astronomers of Slovenia*): Ljubljana, P.O.B. 227; f 1949; Chair. Sergej Pahor; publs. *Obzornik mat. fiz.*† (every 2 months), *Presek*†, *Knjižnica SIGMA.*

Društvo Slovenskih skladateljev (*Society of Slovene Composers*): Ljubljana, Trg francoske revolucije 6; f. 1946; 100 mems.; Pres. Bojan Adamič; Sec. Ivo Petrić; publs. *Concert atelier* (contemporary music), *Musica Slovenica* (record series), *Edicije DSS* (printed scores, etc., of its mems.).

Geografsko društvo Slovenije (*Geographical Society of Slovenia*): Ljubljana, University of Ljubljana, Aškerčeva 12; f. 1922; 410 mems.; Pres. Prof. Dr. Jakob Medved; Sec. Prof. Anton Gosar; publs. *Geografski Vestnik*†, *Geografski Obzornik*†.

Institut za raziskovanje krasa (*Institute for the Exploration of Karst*): Postojna; f. 1947; Pres. Dr. Peter Habič; publ. *Acta carsologica* (annual).

Jamarska zveza Slovenije (*Speleological Association of Slovenia*): 61000 Ljubljana, Aškerčeva 12; f. 1889; 26 caving societies and research groups with a total of *c.* 750 mems.; Pres. Prof. Dr. Boris Sket; Sec. Ing. Dušan Novak; publ. *Naše jame*† (2 a year).

Matica Slovenska (*Slovenian Society*): Ljubljana, Trg osvoboditve 7; f. 1864; literary and publishing society; 3,000 mems.; 10,000 vols.; Dir. Akad. Prof. Dr. Fran Zwitter; Sec. Prof. Dr. Stefan Barbarič.

Pedagogical Society of the S.R. of Slovenia: Ljubljana, Gosposka ulica 3; f. 1920; active participation in social roles of education, organization of discussions of educators, continuing education of teachers; Pres. Milojko Vidmar; Vice-Pres. Resman Metod; publ. *Sodobna pedagogika* (monthly).

Raziskovalna skupnost Slovenije (*Interdisciplinary Slovene Research Community*): Jadranska 21, Ljubljana; f. 1953; awards prizes for the best scientific works written by Slovene authors, and prizes for technological inventions; also grants university scholarships and finances scientific research and publications; Pres. Tone Zimšek; Sec.-Gen. Dr. Edo Pirkmajer; Pres. of Executive Board Dr. Vladimir Klemenčič; publ. *Raziskovalec*† (Researcher) (monthly).

Skupnost študentov LVZ (*Students' Society for Scientific Work*): Trg revolucije 1, 61000 Ljubljana.

Slavistično društvo Slovenije (*Society for Slavonic Studies in Slovenia*): Aškerčeva 12, 61000 Ljubljana; f. 1935; a forum for professional Slavists, to bring research to bear on practice, to nurture cultural values regarding Slovene language and literature and awareness of Slovene history; to organize, support and publish Slavic research in academic and popular books and periodicals; 700 mems.; Chair. Dr. Breda Pogorelec; publs. 1938–41, *Slovenski jezik* (The Slovene Language), 1948–, *Slavistična revija* (Slavonic Review; quarterly), 1955–, *Jezik in slovstvo* (Language and Literature; 8 a year).

Slovensko Umetnostnozgodovinsko društvo (*Slovenian Society of Historians of Art*): Aškerčeva 12/III, Ljubljana; f. 1921; Chair. Stane Bernik; publs. *Archives d'Histoire de l'Art, Zbornik za umetnostno zgodovino.*

Society for Natural Sciences of Slovenia: 61000 Ljubljana, Novi trg 4/IV; f. 1934; 3,000 mems.; Pres. R. Kavčič; Vice-Pres. A. Vadnal, M. Kališnik; Sec. T. Wraber; publ. *Proteus*† (10 a year).

Society of Jurists of the S.R. of Slovenia: Ljubljana, Dalmati-nova 4; f. 1947; 1,073 mems.; Pres. Jože Pavličič; publ. *Jurist.*

Zgodovinsko društvo za Slovenijo (*Slovenian Historical Society*): Ljubljana, Aškerčeva 12; f. 1839, reorganized 1946; 448 mems.; library of 4,154 vols.; Pres. Dr. Ignacij Voje; publs. *Zgodovinski časopis*† (Historical Review, three issues a year); *Kronika*† (three issues a year), *Časopis za zgodovino in narodopisje*† (2 a year).

Bosnia and Herzegovina

Društvo Bibliotekara BiH (*Librarians' Society of Bosnia and Herzegovina*): 71000 Sarajevo, Obala 42.

Društvo Istoričara BiH (*Historical Society of Bosnia and Herzegovina*): Filozofski fakultet, 71000 Sarajevo, Račkog 1.

Društvo Ljekara BiH (*Physicians' Society of Bosnia and Herzegovina*): Zavod za zdravstvenu zaštitu BiH, 71000 Sarajevo, Maršala Tita 7.

Društvo Matematičara, Fizičara i Astronoma BiH (*Society of Mathematicians, Physicists and Astronomers of Bosnia and Herzegovina*): Prirodnomatematički fakultet, 71000 Sarajevo, Vojvode Putnika 43.

Geografsko Društvo BiH (*Geographical Society of Bosnia and Herzegovina*): Prirodnomatematički fakultet, 71000 Sarajevo, Maršala Tita 43A.

Muzička Omladina BiH (*Bosnia and Herzegovina Society of Music Lovers and Young Musicians*): Muzička akademija, 71000 Sarajevo, Svetozara Markovića 1.

Pedagoško Društvo BiH (*Pedagogical Society of Bosnia and Herzegovina*): 71000 Sarajevo, Djure Djakovića 4.

Savez Inženjera i Tehničara BiH (*Union of Engineers and Technicians of Bosnia and Herzegovina*): 71000 Sarajevo, Obala 21.

Savez Organizacija Fizičke Kulture BiH (*Union of Organizations for Physical Culture of Bosnia and Herzegovina*): 71000 Sarajevo, Mahmuta Bušatlije 2.

Savez Organizacija Tehničke Kulture BiH (*Union of Organizations for Technical Culture of Bosnia and Herzegovina*): 71000 Sarajevo, Vojvode Putnika 21.

Savez Udruženja Pravnika BiH (*Union of Jurists' Associations of Bosnia and Herzegovina*): 71000 Sarajevo, Valtera Perića 11.

Savez Za Esperanto BiH (*Union for Esperanto of Bosnia and Herzegovina*): 71000 Sarajevo, Vase Pelagića 8.

Savez Zdravstvenih Radnika BiH (*Medical Society of Bosnia and Herzegovina*): 71000 Sarajevo, Moše Pijade 25; promotes medical science, assists Government in medical education of people.

Udruženje Književnika BiH (*Association of Writers of Bosnia and Herzegovina*): 71000 Sarajevo, Radićeva 15.

Udruženje Književnih Prevodilaca BiH (*Association of Literary Translators of Bosnia and Herzegovina*): 71000 Sarajevo, Kralja Tvrtka 11.

Udruženje Kompozitora BiH (*Association of Composers of Bosnia and Herzegovina*): 71000 Sarajevo, Radićeva 15.

Udruženje Muzičkih Umjetnika BiH (*Association of Musicians of Bosnia and Herzegovina*): Muzička akademija, 71000 Sarajevo, Sv. Markovića 1.

Macedonia

Arheološko Društvo na Makedonija (*Archaeological Society of Macedonia*): 97500 Prilep, Moša Pijade 138; f. 1970; 30 mems.; Pres. Boško Babić; Sec. Blagoja Kitanoski; publ. *Acta archaeologica macedonica.*

Društvo na Arhivskite rabotnici i Arhivite na S.R.M. (*Society of Archivists of Macedonia*): 91000 Skopje, Kej Dimitar Vlahov b.b.; f. 1954; 128 mems.; Pres. Miloš Konstantinov; Sec. Stjepan Misajlovič; publ. *Makedonski arhivist* (annually).

Društvo na Bibliotekarite na Makedonija (*Librarians' Society of Macedonia*): Narodna i univerzitetska biblioteka "Kliment Ohridski", 91000 Skopje, Bul. Goce Delčev br. 6; f. 1949; 400 mems.; Pres. Dr. Ivan Katardžiev; Sec. Kiro Dojčinovski; publ. *Bibliotekarska iskra.*

Društvo na Istoričarite na Umetnosta od S.R.M. (*Society of Art Historians of Macedonia*): Muzej na sovremenata umetnost, 91000 Skopje, Maršal Tito 102; f. 1970; 40 mems.; Pres. Antonie Nikolovski; Sec. Ljubica Damjanovska; publ. *Likovna umetnost* (Plastic Arts).

Društvo na Kompozitorite na S.R. Makedonija (*Society of Macedonian Composers*): 91000 Skopje, Maksim Gorki 18; f. 1950; 40 mems.; Pres. Vlastimir Nikolovski; Sec. Sotir Golaboski; publ. *Bilten* (Bulletin).

Društvo na Likovnite Umetnici na Makedonija (*Society of Plastic Arts of Macedonia*): Umetnička galerija, 91000 Skopje, 10110; f. 1944; 150 mems.; Pres. Boro Mitrikeski; Sec. Naso Bekaroski.

Društvo na Literaturnite Preveduvači na S.R.M. (*Society of Literary Translators of Macedonia*): 91000 Skopje, P.F. 3; f. 1955; 102 mems.; Pres. Prof. Dr. Božidar Nastev; Sec. Taško Širilov.

Društvo na Matematičarite i Fizičarite od S.R.M. (*Society of Mathematicians and Physicists of Macedonia*): Matematički institut na Prirodo-matematički fakultet, 91000 Skopje, P.F. 146; publ. *Bilten* (Bulletin).

Društvo na Muzejskite Rabotnici na Makedonija (*Museum Society of Macedonia*): Muzej na grad Skopje, 91000 Skopje, Mito Hadži-Vasilev-Jasmin b.b.; f. 1951; 100 mems.; Pres. Kuzman Geogrievski; Sec. Galena Kuculovska.

Društvo na Pisatelite na S.R.M. (*Society of Writers of Macedonia*): 91000 Skopje, Maksim Gorki 18; f. 1951; 159 mems.; Pres. Blagoja Ivanov; Secs. Adem Gajtani, Eftim Manev.

Društvo za Filozofija, Sociologija i Politikologija na S.R.M. (*Society for Philosophy, Sociology and Politics of Macedonia*): Institut za sociološki i polilički-pravni istražuvanja, 91000 Skopje, Bul. Partizanski odredi b.b.; f. 1960; 170 mems.; Pres. Dr. Dragan Taškovski; Sec. Sveta Škarić; publ. *Zbornik* (Collected Papers).

Farmaceutsko Društvo na Makedonija (*Pharmacological Society of Macedonia*): 91000 Skopje, Ivo Ribar Lola MI/6; Pres. Lazar Tolov; Sec. Galaba Srbinovska; publ. *Bilten* (Bulletin).

Geografsko Društvo na S.R.M. (*Geographical Society of Macedonia*): Geografski institut pri Prirodomatematički fakultet, 91000 Skopje, P.F. 146; f. 1949; 600 mems.; Pres. Prof. Dr. Mitko Panov; Sec. Ass. Tome Andonovski; publs. *Geografski razgledi* (Geographical surveys), *Geografski vidik* (Geographical look).

Makedonsko Geološko Društvo (*Macedonian Geological Society*): Geološki zavod, P.O.B. 28, 91001 Skopje; f. 1951; 150 mems.; Pres. Dipl. Ing. Vladimir Paskalev; Sec. Siljan Hristov.

Makedonsko Lekarsko Društvo (*Medical Society of Macedonia*): 91000 Skopje, Gradski zid blok 11/6; f. 1946; 2,000 mems.; publ. *Makedonski medicinski pregled* (Macedonian Medical Review).

Republički Zavod za Zaštita na Spomenicite na Kulturata (*Institute for the Protection of Cultural Monuments of Macedonia*): 91000 Skopje, Maršal Tito b.b., Gorče Petrov; f. 1949; Dir. Dimitar Kornakov; publ. *Kulturno-istorisko nasledstvo na S.R.M.* (The Cultural and Historical Heritage of the S.R. of Macedonia).

Sojuz na Društvata na Ekonomistite na Makedonija (*Union of Economists' Societies of Macedonia*): 91000 Skopje, Ivan Milutinović b.b., Tavtalidže I, baraka 6; f. 1950; 2,700 mems.; Pres. Prof. Dr Mitra Šaroska; Sec. Mag. Dimitrije Novačevski; publ. *Stopanski pregled* (Economic review).

Sojuz na Društvata na Veterinarnite Lekari i Tehničari na Makedonija (*Union of Associations of Veterinary Surgeons and Technicians of Macedonia*): Veterinaren institut, 91000 Skopje, Lazar Pop-Trajkov 5; f. 1950; 400 mems.; Pres. Dipl. Vet. Siljan Zaharievski; Sec. Dipl. Vet. Nikola Popovski; publ. *Makedonski veterinaren pregled* (Macedonian Veterinary review).

Sojuz na Društvata za Makedonski Jazik i Literatura (*Union of Associations for Macedonian Language and Literature*): Institut za makedonski jazik "Krste Misirkov", 91000 Skopje, Grigor Prličev 5; f. 1954; 700 mems.; Pres. Vasil Čipov; Sec. Olga Ivanova; publ. *Literaturen zbor* (Literary word).

Sojuz na Hemičarite i Tehnolozite na Makedonija (*Union of Chemists and Technologists of Macedonia*): Tehnološko-metalurški fakultet, 91000 Skopje, Karpos II; f. 1950; 1,200 mems.; Pres. Prof. Boro Ladinski; Sec. Todor Todorovski; publ. *Glasnik* (Review).

Sojuz na Inženeri i Tehničari na Makedonija (*Society of Engineers and Technicians of Macedonia*): 91000 Skopje, Nikola Vapcarov b.b.; f. 1945; 27,000 mems.; Pres. Prof. Dr. Ing. Dime Lazarov; Sec. Boro Ravnjanski.

Sojuz na Inženeri i Tehničari po Sumarstvo i Industrija za Prerabotka na Drvo na S.R.M. (*Union of Forestry Engineers and Technicians of Macedonia*): Šumarski institut, 91000 Skopje, Engelsova 2; f. 1952; 500 mems.; Pres. Dipl. Ing. Živko Minčev; Sec. Dipl. Ing. Mile Stamenkov; publ. *Sumarski pregled* (Forester's review).

Sojuz na Istoriskite Društva na S.R. Makedonija (*Union of Historical Societies of Macedonia*): Institut za nacionalna istorija, 91000 Skopje, Boris Kidrič b.b.; f. 1952; 1,000 mems.; Pres. Dr. Petar Stojanovski; Sec. Gligor Nikolov; publ. *Istorija* (History).

Sojuz na Združenijata na Pravnicite na Makedonija (*Union of Associations of Jurists of Macedonia*): Ustaven sud na Makedonija, 91000 Skopje, XII udarna brigada 2; f. 1946; 4,000 mems.; Pres. Boro Dogandžiski; Sec. Petar Golubovski; publ. *Pravna misla* (Law's opinion).

Sojuz na Zemjodelskite Inženeri i Tehničari na S.R.M. (*Union of Agricultural Engineers and Technicians of Macedonia*): Zemjodelskošumarski fakultet, 91000 Skopje; f. 1945; 5,000 mems.; Pres. Prof. Dr. Risto Lozanovski; Sec. Doc. Dr. Risto Ilkovski; publ. *Socijalističko zemjodelstvo* (Socialist agriculture).

Združenie na Folkloristite na Makedonija (*Association of Folklorists of Macedonia*): Institut za folklor, 91000 Skopje, Ruzveltova 3; f. 1952; 60 mems.; Pres. Gorgi Georgiev; Sec. Tatjana Žeželj-Kaličanin.

RESEARCH INSTITUTES

Federal

Drustvo za Proučavanje i Unapredenje Pomorstva Jugoslavije (*Yugoslav Society for Research and Promotion of Maritime Sciences*): Rijeka, Rade Končara 44/V, P.O B. 391; f. 1962; research divided into 9 sections: economics, history, law, technology, natural sciences, nautical sciences, literature, ethnology, medicine; 323 elected mems.; Pres. Adm. Bogdan Pecotić; Sec. Dr. Drago Crnković; publ. *Pomorski Zbornik* (Maritime Annals, annually).

Institut "Jožef Stefan" (*Jožef Stefan Institute*): Jamova 39, 61000 Ljubljana; f. 1947; 555 mems.; attached to Ljubljana University; library of 40,000 vols.; Dir. Prof. Dr. Boris Frlec.

Institut Prometnih Znanosti (*Institute of Transport Sciences*): 40000 Zagreb, Gruška 22; f. 1965; attached to Zagreb University; library of 8,000 vols.; Dir. Prof. Ing. Stjepan Lamer, publ. *Zbirka radova*† (Collection of Scientific Papers) (every 2 years).

Institut "Rudjer Boškovič" (*Rudjer Bošković Institute*): Bijenička cesta 54, P.O.B. 1016, 41000 Zagreb; f. 1950 as branch of the Yugoslav Academy of Sciences and Arts, became independent in 1955; research in physics (theoretical, nuclear and atomic, health), electronics, chemistry (physical, organic, and biochemistry), biology, medicine; marine research centre (laboratories in Zagreb and Rovinj); 690 mems.; library of 32,500 books and 565 periodicals; Dir. Vojno Kundić; publ. *Thalassia Yugoslavica*† (annual).

Institut za nuklearne nauke "Boris Kidrič" (*Boris Kidrič Institute of Nuclear Sciences*): 11000 Belgrade, Vinča, P.O.B. 522; f. 1948; low energy nuclear physics, solid state physics, radio chemistry and radiation chemistry, nucleic acid metabolism and radiogenetics, nuclear power problems, reactor physics, heat transfer, reactor engineering and reactor electronics, systems science and information, production and application of radio isotopes; library of 26,000 vols.; Dir. Prof. Dr. Branislava Perović.

Institute for Agricultural Mechanization: Belgrade; Zemun, P.O.B. 41; f. 1947; 30 mems.; library of 6,000 vols.; Dir. Radmilo Orović; publ. *Poljoprivredna Tehnika*† (Agricultural Engineering, annually).

Institute for the Philosophy of Science and Peace of the Yugoslav Academy of Sciences and Arts: Zagreb, Marulićev trg 19, P.O.B. 187; f. 1965 at the suggestion of Academician Ivan Supek, Chairman of the Yugoslav Pugwash Group; concerns itself with the synthesis and social ethics of sciences and arts; 6 mems.; Pres. Ivan Supek; publ. *Encyclopaedia Moderna* (quarterly).

Institute for Plant Protection: 11000 Belgrade, T. Drajzera 9; f. 1945; depts. of Entomology, Phytopathology, Weed Control, Phytopharmacy, Biological Control; 28 research staff, 70 members; library of 6,025 books and 12,000 periodicals; Dir. Dr. Ljubiša Vasiljević; publ. *Zaštita bilja*† (Plant Protection; quarterly).

Institute for Scientific and Technical Documentation and Information: Belgrade, Katanićeva 15; publ. *Yugoslav Research Guide*.

Institute of International Politics and Economy: Belgrade, P.O.B. 750; Dir. Leo Mates.

Jadranski Institut: 41000 Zagreb, Opatička 18; f. 1945; research in maritime law and shipping; library of 16,200 vols.; Dir. Dr. Branko Kojić; publs. *Zbornik za pomorsko pravo*†, *Anali*, *Uporedno pomorsko pravo i pomorska kupoprodaja*.

Jugoslovenski Bibliografski Institut (*Yugoslav Bibliographic Institute*): Belgrade, Terazije 26, P.O.B. 20; f. 1949; publishes the Bibliography of Yugoslavia, which includes books, pamphlets, music scores and articles of literary, scientific interest, philology, art and sport; exchange of publications with other countries; Dir. Miodrag Džuverović.

Jugoslovenski Institut za zaštitu spomenika kulture (*Yugoslav Institute for the Preservation of Historical Monuments*): Belgrade, Božidara Adžije 11; f. 1950; research into and preservation of cultural possessions (paintings, museum objects, murals, architecture, etc.); Dir. Ivan Zdravković; Head, Architecture Dept. Ivan Zdravković; Head, Paintings Dept. (Vacant); Head, Physical and Chemical Laboratory Mihailo Vunjak; Dept. of History of Art, Ethnology and Archaeology; Depts. of Law, Documentation, Photographic Laboratory; 24 mems.; library of 16,000 vols.; publs. *Zbornik zaštite spomenika kulture*, annuals, summaries in French, special reports.

Poljoprivredni Institut (*Agricultural Institute*): 54000 Osijek, Tenjska c. b.b.; f. 1916; agricultural and scientific research; 41 mems.; library of 9,317 vols.; Dir. Antun Novoselović; publ. *Zbornik radova Poljoprivrednog instituta u Osijeku*† (annually).

Zavod za Pomorsko-društvene Nauke Jugoslavenske Akademije Znanosti i Umjetnosti (*Institute for Maritime Sciences of the Yugoslav Academy of Sciences and Arts*): Split, Trg Braće Radića 7, P.O.B. 100; f. 1925 as Maritime Museum, re-constituted 1965; research in maritime economics and history; Dir. Dr. Capt. Oliver Fio; Librarian Marica Rismondo; publ. *Contributiones Studiis Scientiarum Maritimarum.*

Serbia

Astronomska Opservatorija u Beogradu (*Astronomical Observatory of Belgrade*): Belgrade, Volgina 7; f. 1887, re-formed 1932; library of 9,750 vols.; Dir. M. B. Protitch; publ. *Bulletin.*

Botanical Institute and Garden of the University: Belgrade, Takovska 43; Dir. Prof. V. Blečić; publ. *Bulletin.*

Meteorološka opservatorija Beograd (*Meteorological Observatory*): Belgrade, Bul. Jugoslovenske narodne armije 8; f. 1887; Dir. Katarina Milosavljević; publ. *Observations Météorologiques à Beograd.*

Seismological Institute: Belgrade, Tašmajdan, P.O.B. 351; f. 1906; Dirs. Dr. B. A. Sikošek, Dr. M. N. Vukašinovič; 12 mems.; publs. *Annuaire macroséismique et microséismique, Bulletin mensuel, Studies.*

Zavod za Zdravstvenu Zaštitu S.R. Srbije (*Institute of Health Protection of S.R. Serbia*) (formerly Institute of Hygiene): Belgrade, Dr. Subotića 12; f. 1924; library of 40,000 vols.; Dir. Prof. Dr. Jovan Cekić; publs. *Glasnik* and series of monographs.

Croatia

Hidrometeorološki Zavod Socijalističke Republike Hrvatske (*Hydro-Meteorological Institute of the Socialist Republic of Croatia*): Zagreb, Grič 3; f. 1947; Dir. Ing. M. Šikić; publs. *Annual Report of the Meteorological Mountain Observatory Sljeme, near Zagreb, Material for the Climate of Croatia, Memoirs, Annual Report of the Meteorological Observatory Marjan-Split.*

Institut za oceanografiju i ribarstvo (*Institute of Oceanography and Fisheries*): Split, Moše Pijade 63; f. 1930; research in oceanography, hydrography, geology, marine biology, marine fisheries, ichthyology, and fishery technology; has 13 laboratories and a staff of 25 naturalists; Dir. Capt. Rade Stijelja; library of *c.* 15,000 vols.; publs. *Acta Adriatica*†, *Notes*†, *Collected Reprints*†.

Institut za povijest prirodnih, matematičkih i medicinskih nauka (*Institute for the History of Natural, Mathematical and Medical Sciences*): Demetrova 18 and Opatička 18, Zagreb III, P.O.B. 20; f. 1960 by the Yugoslav Academy of Sciences and Arts; incorporates Department of the History of Medicine of the Yugoslav Academy, Institute of the History of Pharmacy of the Pharmaceutical Society of Croatia, Cabinet of the History of Medicine of the University of Zagreb, Cabinet for the History of Veterinary Medicine, Museum of the Society of Physicians of Croatia and the Bošković Museum; independent scientific institution to foster research into the history of science, especially that of southern Slavs; plans to study problems of methodology, to organize at Zagreb higher education for the study of the history of science, to collaborate with analogous institutes at home and abroad; library of 8,000 vols.; Dir. Dr. Žarko Dadić; publ. *Rasprave i Gradja za Povijest Nauka* (annually).

Institute for Folklore Research: Zagreb, Socijalističke revolucije 17; f. 1948; fmrly. Institute for Folk Arts; branch of the Institute of Philology and Folkloristics; there are the following sections: Dance, Music, Folk Literature, Theatre and Customs; 18 mems.; 10,000 vols.; Dir. Dunja Rihtman-Auguštin; publ. *Narodna Umjetnost*† (yearly).

Institute for Medical Research and Occupational Health: 41000 Zagreb, Moše Pijade 158, P.O.B. 291; f. 1949 to study the influence of ecological factors upon health; 160 mems.; library of 6,400 vols.; Dir. Prof. Marko Šarić; publ. *Archives of Industrial Hygiene and Toxicology* (quarterly).

Institute for Nature Preservation of the S. R. of Croatia: 41000 Zagreb, Ilica 44/II; f. 1961; 20 mems.; library of 3,174 vols.; photo collection of 12,300 negatives and 3,800 colour transparencies; Dir. Aleksandar Šobat.

Institute for the Preservation of Historical and Cultural Monuments: Zagreb, Ilica 44; f. 1910; library of 6,975 vols.; photo collection of *c.* 36,000 negatives, 9,000 charts; Dir. Prof. Stjepan Humel; publs. *Spomenici kulture i likovnih umjetnosti u Medjumurju*†, *Spomenici u SR Hrvatskoj njihova rasprostranjenost i opca valorizacija*†, *Kako narod gradi*†, *Gradja za proučavanje starih kamenih mostova i akvedukata u Hravatskoj*†.

Institute for the Preservation and Scientific Study of Historical Monuments in Dalmatia: Split, Zrinjsko-Frankopanska ul. 25/I; f. 1854; Dir. Dr. Cvito Fisković; Sec. Neira Stojanac; publ. *Prilozi povijesti umjetnosti u Dalmaciji.*

Restauratorski Zavod (*Conservation Department of the Institute of Fine Arts, Yugoslav Academy of Sciences and Arts*): Zagreb, Braće Kavurića 1; f. 1948, under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Chief Restorer Lela Čermak.

Zavod za Arhitekturu i Urbanizam (*Institute of Architecture and Town Planning*): Zagreb, Braće Kavurića 1; f. 1952; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Acad. Prof. Andre Mohorovičić.

Slovenia

Geološki zavod (*Geological Institute*): 61000 Ljubljana, Dimičeva 16; f. 1946; library of 8,500 vols., 835 periodicals; Dir. Slavko Papler; publ. *Geologija-razprave in poročila* (annual).

Zavod za spomeniško varstvo S.R. Slovenije (*Institute for the Preservation of Historical Monuments and Nature Conservation in the S.R. of Slovenia*): 61000 Ljubljana, Plečnikov trg 2; f. 1913, reorganized 1919, refounded 1945; to preserve and study historical, archaeological and natural monuments, and sites of historical, artistic, scientific, ethnological, natural and sociological interest; a complete register of historical monuments in Slovenia; 25 mems.; library of 7,200 books; Pres. Kolarič Marjan; publs. *Varstvo spomenikov*† (Preservation of Monuments), *Varstvo narave*† (Nature Conservation), Series *Kulturni in naravni spomeniki Slovenije* (guides to the historical and natural monuments of Slovenia).

Bosnia and Herzegovina

Institute for Modern Serbo-Croatian: Sarajevo.

Institute of Meteorology: Hadži Loje 4, Sarajevo; f. 1891; Dir. M. V. Vemić.

Institute for the Preservation of Historical Monuments: 71001 Sarajevo, Obala 27 Jula 11A, P.O.B. 650; f. 1947; Dir. Džemal Celić; publ. *Naše starine* (Our Antiquities, annual).

Macedonia

Ekonomski Institut na Univerzitetot "Kiril i Metodij" (*Institute of Economics of the Cyril and Methodius University*): 91000 Skopje, Njudelhiska b.b.; f. 1952; Dir. Dr. Lazar Sokolovski.

Geološki Zavod (*Geology Institute*): 91001 Skopje, P.O.B. 28; f. 1944; geological mapping, exploration of mineral deposits, drilling, mining, grouting; *c.* 500 mems.; library of *c.* 10,000 vols.; Gen. Dir. Dr. Risto Stojanov; publs. *Trudovi*† (Transactions), *Posebni Izdanija*† (Special issues).

Institut za Folklor (*Institute of Folklore*): 91000 Skopje, Ruzveltova 3; f. 1950; Dir. Dr. Cvetanka Organdžieva; publ. *Makedonski folklor*.

Institut za Makedonski Jazik "Krste Misirkov" (*The Krste Misirkov Institute of Macedonian*): 91000 Skopje, Grigor Prličev 5; f. 1953; Dir. Trajko Stamatovski; publs. *Makedonski jazik* (The Macedonian Language), *Povremeni izdanija* (Nonserial Editions).

Institut za Nacionalna Istorija (*Institute of National History*): 91000 Skopje, Boris Kidrič b.b.; f. 1948; history of Macedonian peoples; 50 mems.; library of 200,000 vols.; Dir. Orde Ivanoski; publ. *Glasnik*† (Journal).

Institut za Pamuk (*Cotton Institute*): 92400 Strumica, Goce Delčev 27; f. 1956; Dir. Hristo Hristomanov; publ. *Zbornik* (Collected Papers).

Institut za Tutun (*Tobacco Institute*): 97500 Prilep, Kičevsko Džade; Dir. Dr. Josif Mickovski; publ. *Tutun* (Tobacco).

Veterinaren Institut na S.R. Makedonija (*Veterinary Institute of Macedonia*): 91000 Skopje, XVI makedonska brigada 5; f. 1927; Dir. Gorgi Gramatikovski; Sec. Dimitar Anastasov.

Zavod za Ovoštarstvo na S.R. Makedonija (*Institute of Pomology of Macedonia*): 91000 Skopje, Pat za Dračevo 5; f. 1953; Dir. Dr. Janko Lazarevski; publ. *Godišnjak* (Yearbook).

Zavod za Ribarstvo na S.R. Makedonija (*Institute of Fisheries of Macedonia*): 91000 Skopje, Gradski park; f. 1951; Dir. Nikola Petrovski; Sec. Timko Trajkov; publs. *Izdanija* (Publications), *Folia Balcanica*, *Godišen izveštaj* (Annual Report).

Zavod za Unapreduvanje na Lozarstvoto i Vinarstvoto na S.R. Makedonija (*Institute for the Advancement of Viticulture of Macedonia*): 91000 Skopje, Naselba Butel 1; f. 1952; Dir. Dr. Dime Pemovski; publs. *Lozarstvo i vinarstvo* (Viticulture), *Godišen izveštaj* (Annual Report).

Zavod za Unapreduvanje na Stočarstvoto na S.R. Makedonija (*Institute for the Advancement of Animal Husbandry of Macedonia*): 91000 Skopje, Avtokomanda; f. 1952; Dir. Prof. Dr. Blagoj Vaskov.

Zavod za vodostopanstvo na S.R. Makedonija (*Institute for Water Resources of Macedonia*): 91000 Skopje, Apostol Guslarot 1; f. 1952; Dir. Dr.-Ing. Momčilo Andrejevič; Sec. Predrag Jovčevski; publ. *Vodostopanski problemi* (Water Resources).

Montenegro

Istoriski Institut S.R. Crne Gore (*Historical Institute*): Naselje Kruševac, Titograd.

LIBRARIES AND ARCHIVES

Serbia

Arhiv Srbije: Karnedžijeva 2, 11000 Belgrade; f. 1900; history of Serbia; 65,000 vols.; Dir. Mirjana Dajić; publ. *Arhivski pregled*† (2 a year).

Arhiv Vojvodine: Trg Branka Radičevića 8, 21205 Sremski Karlovci; f. 1926; library of 11,000 vols.; Dir. Dr. Kalman Čehak; publs. *Naučno-informativna sredstva o arhivskoj gradji u arhivima Vojvodine* (Scientific information on the Vojvodina archives), *Izveštaji o naučno-istraživačkom radu u inostranstvu* (Research reports from archives abroad).

Narodna biblioteka Socijalističke Republike Srbije (*National Library—the Central Library for the Socialist Republic of Serbia*): Belgrade, Skerlićeva 1; f. 1832; 729,172 vols., 130,843 vols. of periodicals, 61,634 vols. of newspapers, 204 old MSS., 1,108 MSS., and 712,208 rare books, prints, maps, reviews, scores, etc.; federal copyright and deposit library; Dir. Svetislav Djurić.

Univerzitetska biblioteka "Svetozar Markovič" (*University Library "Svetozar Markovič"*): Bulevar revolucije 71, Belgrade; its forerunner was the library of the Serbian Lyceum (1844); it receives editors' copies of scientific publications printed in Serbia; about 1,200,000 vols. (books, periodicals, newspapers), 15 incunabula, 71 Serbian MSS. 13th–18th centuries, over 300 Oriental codices, 4,040 other MSS.; Head Mrs. Stanija Gligorijević.

Biblioteka Srpske akademije nauka i umetnosti (*Library of the Serbian Academy of Sciences and Arts*): Knez Mihailova 35, Belgrade; f. 1842 by the Serbian Learned Society; information service, inter-library loan scheme; prepares bibliographies and edits special publications; *c.* 700,000 vols.; Dir. Mile Žegarac; publs. numerous publications of the Academy and its attached Institutes†.

Biblioteka grada Beograda (*Belgrade Town Library*): Zmaj Jovina 1, Belgrade; f. 1929; 200,000 vols., 399 MSS.; Head Branko Djurdjulov.

Biblioteka Matice srpske (*Library of the Serbian Society*): Ul. Matice srpske 1, 21000 Novi Sad; f. 1826 in Budapest, opened 1838 and transferred to Novi Sad in 1864; *c.* 548,000 vols. and 19,349 titles; 101,000 vols. of periodicals, 16 incunabula, 320 Serbian manuscript books, 124 Serbian palestipe, 9,000 rare Yugoslav books; copyright and deposit library for the Vojvodina S.A.P.; Dir. Dr. Milan Pražić; publ. *Bibliotekarske novosti* (quarterly).

British Council Library: Belgrade, Knez Mihailova 45; f. 1946; 17,645 vols., 200 periodicals; Librarian Mrs. V. Rakic.

Narodna biblioteka "Žika Popovič" (*Public Library "Zika Popovič"*): Sabac; f. 1847; over 60,000 vols.

Narodna biblioteka (*Public Library*): Požarevac; f. 1847; about 30,000 vols.

Narodna biblioteka (*Public Library*): Niš; f. 1903; about 90,000 vols.

Narodna biblioteka (*Public Library*): Kragujevac; f. 1866; about 50,000 vols.

CROATIA

Arhiv Hrvatske (*Archives of Croatia*): 41000 Zagreb, Marulićev trg 21; f. 1643; documents dating from 10th century, concerning mainly the history of Northern Croatia and Slavonia; library of 40,000 vols.; Dir. BERNARD STULLI; publs. *Arhivski vjesnik* (Archives Bulletin), *Zaključci Hrvatskog sabora* (Acts of the Croatian Parliament).

Nacionalna i sveučilišna biblioteka (*National and University Library*): Marulićev trg 21, Zagreb; its beginnings reach back as far as the first years of the 17th century; 1,069,471 vols. (including books, periodicals and newspapers), 186 incunabula, about 4,754 rare and precious Yugoslav books; 5,184 MSS., 7,393 prints, 15,097 maps, 13,602 scores, 5,457 records, 3,500 microfilms; Federal copyright and deposit library; Head MATKO ROJNIĆ.

Knjižnica Jugoslavenske akademije znanosti i umjetnosti (*Library of the Yugoslav Academy of Sciences and Arts*): Zrinski trg 11, Zagreb; f. 1868; about 181,000 vols.; Dir. ALEKSANDAR STIPČEVIĆ.

British Council Library: Zagreb, Ilica 12/1; f. 1946; 10,642 vols., 57 periodicals; Librarian Mrs. V. KAJFES.

Gradska knjižnica (*Town Library*): Rooseveltov trg 4, Zagreb; f. 1907; 183,259 vols.; Dir. VERA MUDRI-ŠKUNCA.

Radnička biblioteka Zagreb (*Workers' Library*): Lenjinov trg 2, Zagreb; f. 1927; 107,325 vols.; Dir. MARIJA PICHLER.

Naučna biblioteka (*Research Library*): Dolac 1, Rijeka; f. 1627; special collection of material on the Istria, Hrvatsko primorje and Gorski kotar regions; 400,000 vols., 23 incunabula; Head Dr. VANDA EKL; publ. *Informacije o novim knjigama* (3 a year).

Naučna biblioteka (*Research Library*): Žrtava fašizma bb., Zadar; f. 1850; about 300,000 vols.

Naučna biblioteka (*Research Library*): Trg Oslobodenja 1, Pula; f. 1930; about 180,000 vols.

Gradska biblioteka (*Town Library*): Zagrebačka 2, Split; f. 1903; 200,000 vols.

Naučna biblioteka (*Research Library*): Knežev dvor, Dubrovnik; f. 1936; 140,426 vols., 76 incunabula, 919 MSS.

Gradska knjižnica i čitaonica "Sloboda" (*Town Library and Reading Club "Sloboda"*): Varaždin, Trg Slobode 8A; f. 1838; 5,000 mems.; library of 67,000 vols.; Dir. WANDA MILČETIĆ.

SLOVENIA

Arhiv S.R. Slovenije (*Archives of P.R. of Slovenia*): Zvezdarska 1, 61000 Ljubljana; f. 1945; collection of important archives, especially those connected with the territory populated by Slovenes from the 13th century onwards; Chief MARIJA OBLAK-ČARNI.

Narodna in univerzitetna knjižnica (*National and University Library*): Turjaška 1, 61001 Ljubljana; f. 1774; about 1,200,000 vols.; Federal copyright and deposit library; Dir. Dr. BRANKO BERČIČ; publs. *Slovenska bibliografija*† (annual), *Obvestila republiške matične knjižnice* (irregular).

Biblioteka Slovenske akademije znanosti in umetnosti (*Library of the Slovene Academy of Sciences and Arts*): Novi trg 4-5, 61001 Ljubljana; f. 1938; over 270,000 vols.; Librarian PRIMOŽ RAMOVŠ; publs. *Seznam prejetih knjig*† (monthly), *Letni seznam periodik*† (annual), *Poročilo o delu biblioteke*† (annual), *Objave*† (irregular).

Centralna ekonomska knjižnica (*Central Economic Library*): Ljubljana, Vojkova 69; f. 1948; 105,000 vols., 1,525 periodicals; Librarian TANJA VETROVEC.

Centralna medicinska knjižnica (*Central Medical Library*): 61000 Ljubljana, Vrazov trg 2; f. 1945; central library for all institutes and clinics attached to the Faculty of Medicine, Ljubljana; literature of biomedicine and cognate sciences; 192,600 books and periodicals, 2,116 current periodicals; Librarian SONJA GOREC.

Centralna tehniška knjižnica Univerze v Ljubljani (*Central Technical Library of the University of Ljubljana*): Tomšičeva 7, 61000 Ljubljana; f. 1949; literature of pure and applied sciences; central library of the technological faculties of the university of Ljubljana and centre for all technical and industrial libraries in Slovenia, information and referral centre for science and technology; 121,335 vols.; Chief Librarian Mrs. Prof. MARA ŠLAJPAH; publs. *Annual Report, New Books Accession List, New Industrial Standards Accession List and Literature about Standards, Information about Energetics* (every 2 months).

Knjižnica Narodnega Muzeja (*National Museum Library*): Prešernova 20, Ljubljana; f. 1821; over 100,000 vols.; Librarian BRANKO REISP.

Knjižnica Pravne fakultete (*Library of the Faculty of Law*): Ljubljana, Trg revolucije 11; f. 1920; 84,000 vols.; Librarian DANICA LOVREČIČ.

Osrednja knjižnica, Oddelek za študij (*Central Library, Dept. of Study and Research*): Celje, Muzejski trg 1; f. 1946; 140,692 vols.; Librarian IVAN SENIČAR.

Slovanska knjižnica (*Slavonic Library*): Gosposka 15/I, Ljubljana; f. 1901, re-founded 1946; 70,021 vols.; Dir. Dr. JOŽA MAHNIČ.

Studijska knjižnica (*Regional Library*): Koper, Trg revolucije 1; f. 1956; 100,000 vols.; Librarian SREČKO VILHAR.

Studijska knjižnica Mirana Jarca (*"Milan Jarc" Regional Library*): Novo Mesto, Kom. Staneta 26; f. 1945; 90,000 vols.; Librarian BOGO KOMELJ.

Univerzitetna knjižnica Maribor (*University of Maribor Library*): Prešernova 1, 62000 Maribor; f. 1903; general scientific library with special regard to the needs of the University; 293,088 vols.; Chief Librarian Dr. BRUNO HARTMAN; publs. *Časopis za zgodovino in narodopisje*†, *Slavistična revija*†.

BOSNIA AND HERZEGOVINA

Narodna i univerzitetska biblioteka Bosne i Hercegovine (*National and University Library of Bosnia and Herzegovina*): Obala Vojvode Stepe 42, Sarajevo; f. 1945; 670,000 vols.; Federal copyright and deposit library; Head DRAGIŠA IVKOVIĆ.

Biblioteka Zemaljskog muzeja (*National Museum Library*): V. Putnika 7, Sarajevo; f. 1888; archaeology, ethnology and natural sciences; 5 mems.; about 100,000 vols.; Dir. DOBRILA BOKAN; publs. *Glasnik Zemaljskog muzeja*†, *Wissenschaftliche Mitteilungen*†.

Gazi Husrevbegova biblioteka (*Gazi Husrevbeg Library*): Pariske komune 3, Sarajevo; f. 1537; the most important oriental library in Bosnia and Herzegovina; about 12,000 vols., 4,450 Islamic MSS., 3,189 documents.

MACEDONIA

American Center Library: P.O.B. 296, Gradski Zid, Blok IV, 91000 Skopje.

Arhiv na Skopje (*Archives of Skopje*): Moskovska 1, reon 45, 91000 Skopje; f. 1954; 3,000 vols.; Dir. Dr. MILOŠ KONSTANTINOV; publs. *Dokumenti za istorijata na Skopje*† (irregular), *Special editions* (irregular).

Arhiv na S.R. Makedonija: Kej Dimitar Vlahov b.b., Skopje; f. 1951; library of over 9,000 vols., 820 periodicals; Dir. DIMČE STOJANOV MIRE; publs. Series of Turkish, French, British documentation on Macedonia, MSS., *Macedonian Archivist*† (annual).

Istoriski arhiv na Bitola (*Historical Archives of Bitola*): 97000 Bitola, 1 May 171; f. 1954; conservation, collection and printing of archive materials; 3,946 vols.; Dir. JOVAN KOCHANKOVSKY.

Istoriski Arhiv na Ohrid (*Historical Archives of Ohrid*): 97300 Ohrid, Kosta abraševic 8; f. 1953; Dir. NAUM CELAKOVSKI.

Narodna i univerzitetska biblioteka "Kliment Ohridski" (*National and University Library "Kliment Ohridski"*): Bul. Goce Delčev br. 6, Skopje, P.O.B. 566; f. 1944; 1,100,000 vols.; copyright and deposit library of the S.F.R. Yugoslavia; Head Dr. IVAN KATARDŽIEV.

Biblioteka "Braka Miladinovci" (*District of Skopje Public Library*): Partizanski odredi b.b., Skopje; f. 1935; about 120,000 vols.; Dir. LAZO STRAČKOV.

Gradska biblioteka (*Town Library*): Maršala Titoa 89, Bitola; f. 1945; 27,000 vols.

MONTENEGRO

Centralna narodna biblioteka SR Crne Gore (*Central National Library of the S.R. of Montenegro*): Njegoševa 100, Cetinje; f. 1946; about 370,000 vols.; Federal copyright and deposit library; Head Dr. NIKO MARTINOVIĆ.

Biblioteka Državnog muzeja NR Crne Gore (*Library of the National Museum of the P.R. of Montenegro*): Titov trg 7, Cetinje; f. 1926; over 20,000 vols.

Biblioteka Istorijskog Instituta NR Crne Gore (*Library of the Historical Institute of the P.R. of Montenegro*): Naselje Kruševac, Titograd; f. 1948, over 38,000 vols.

MUSEUMS AND ART GALLERIES

Belgrade

Etnografski muzej (*Ethnographical Museum*): Studentski trg 13; f. 1901, reorganized 1967; departments: Costumes and Textiles, Economy, Social Life, Houses and other buildings, Customs, Documentation, Conservation; library of 30,000 vols.; Dir. SLOBODAN ZEČEVIĆ, PH.D.; publ. *Glasnik* (annually).

Museum of Modern Art: 11070 Belgrade, Ušće Save b.b.; f. 1958, opened 1965; exhibitions of Yugoslav and foreign art; library of over 2,500 vols.; Dir. MIODRAG B. PROTIĆ; publs. 25 exhibition catalogues a year†.

Muzej grada Beograda (*Belgrade City Museum*): Zmaj Jovina St. 1, P.O.B. 87; f. 1903; Dir. TODOROVIC D'JOVAN.

Muzej Nikole Tesle (*Nikola Tesla Museum*): Proleterskih brigada 51; f. 1952; Dir. KORAĆ VELJKO.

Muzej Pozorisne Umetnosti (*Museum of Theatre Art*): Jevremova 19; f. 1950; Dir. MILENA NIKOLIĆ.

Muzej primenjene umetnosti (*Museum of Applied Arts*): Belgrade, Vuka Karadžića 18; f. 1950; library of 8,000 vols.; Dir. Dr. GOJKO SUBOTIĆ; publ. *Muzej primenjene umetnosti-Zbornik*† (annually).

Narodni muzej (*National Museum*): Trg Republike 1; f. 1844; archaeological and historical collections, and an art gallery; library of 40,000 vols.; Dir. Dr. VLADIMIR KONDIĆ; Librarian LJUBICA KOJIĆ; publs. *Zbornik*, various catalogues.

Prirodnjački muzej u Beogradu (*Belgrade Natural History Museum*): Njegoševa 51; f. 1895; botanical, geological, mineralogical, palaeontological, petrological and zoological collections; library of 54,706 vols.; Dir. ŽIVOMIR VASIĆ; publ. *Glasnik Prirodnjačkog muzej u Beogradu* (Report).

Vojni Muzej (*Military Museum*): Belgrade-Kalemegdan; f. 1878, refounded 1934, and again 1945–47; new exhibition was opened in 1961. There are five sections: (1) The military history of the Yugoslav peoples up till 1918; (2) The military history of the Yugoslav peoples after 1918; (3) Conservation; (4) Pedagogical; (5) Photo archives; library of 15,000 vols.; Dir. ERNEST MEZGA; publ. *Vesnik* (annually).

Zeljeznicki Muzej (*Railway Museum of F.S.R. of Yugoslavia*): 6 Nemanjina ul., Belgrade; f. 1950; there are five depts.; library of 15,000 vols.; archives section being formed; Dir. Dr. M. H. RISTIĆ; publ. *History of Yugoslavian Railway in Pictures.*

Banja Luka

Muzej Bosanske Krajine (*Museum of Basanska Krajina Region*): Regional museum for north-west Bosnia; f 1930; Departments of Archaeology, History, Ethnography, National Revolution; Dir. BRANKO SURUČIĆ.

Brežice

Posavski muzej (*Regional Museum*): f. 1940; collection of archæological exhibits from Neolithic times to the early Middle Ages; also ethnographical collection; historical section: Slovene-Croat peasants' revolt 1573 and Slovene national struggle for liberation 1941-45; Baroque painting and frescoes; Dir. MARJAN GREGORIČ.

Celje

Pokrajinski muzej (*Local Museum*): 63000 Celje, Muzejski trg 1; f. 1882; collections of archaeology, art and cultural history, ethnography and history; library of 5,500 vols.; Dir. VERA KOLŠEK.

Cetinje

Državni muzej (*State Museum*): Titov trg; depts. of history, ethnography, archaeology, arts; 34 mems.; library of 28,000 vols.; Dir. STANISLAV-RAKO VUJOŠEVIĆ; publ. *Glasnik Cetinjskih Muzeja*†.

Njegošev muzej (*Njegoš's Museum*): local exhibits; Dir. JANKO LEPIČIČ.

Dubrovnik

Muzej Srpske Pravoslavne Crkve (*Museum of the Serbian Orthodox Church*): Od Puća 2; f. 1953; collection of portraits, and over 170 icons from Serbia, Crete, Corfu, Venice, Russia, Greece, Dubrovnik, Boka-Kotorska; the palace which houses the collection is also of historical interest and there is a library of 25,000 vols.

Pomorski muzej (*Maritime Museum*): St. John's Fortress, f. 1872; since 1949 under the administration of the Yugoslav Academy of Arts and Sciences; collecting and exhibiting items illustrating Dubrovnik's maritime past; library of 8,000 vols.; Dir. Dr. JOSIP LUETIĆ; publ. *Materials Concerning the Maritime History of Dubrovnik.*

Umjetnička Galerija Dubrovnik: Frana Supila 45; f. 1945; modern paintings and sculptures; library of 2,418 vols.; Dir. Prof. ANTUN KARAMAN; publs. catalogues†.

Kotor

Pomorski muzej (*Maritime Museum*): Kotor; f. 1900; 10,000 vols.; Dir. JOVAN MARTINOVIĆ; publ. *Godišnjak Pomorskog Muzeja u Kotoru* (Yearbook).

Ljubljana

Mestni muzej (*Municipal Museum*): Gosposka 15; f. 1935;

cultural history museum of Ljubljana; collections include furniture from the Gothic period to the Biedermeierzeit, arts and crafts and topography; archaeological dept., containing articles from lake dwellings of the chalcolithic period, cemetery of the Illyrian-Celtic period and of Roman domination (Emona); Dir. JANEZ MESESNEL; publs. *Guide to Emona* (in Slovene, with detailed summary in French), *Guide to the Municipal Museum of Ljubljana* (in Slovene).

Moderna galerija (*Modern Art Gallery*): Tomšičeva 14; f. 1947; permanent collection of contemporary Slovene (Yugoslav) art from the Impressionists to the present day; organizes regular art exhibitions and the International Biennial of Prints; photography department; art library of 17,006 vols.; Dir. Prof. ZORAN KRŽIŠNIK; publs. *Monographs*, *Catalogues*.

Muzej ljudske revolucije SRS (*National Liberation Museum*): Celovška c. 23; f. 1944 to collect all important archives, museum objects and library material from the War of Liberation, 1941–45; a permanent exhibition opened in 1955, depicting the struggle of the Slovene people for liberation; Dir. FRANC KRESE.

Narodna galerija (*National Art Gallery*): 61000 Ljubljana, Prežihova 1; f. 1918, reorganized 1933, nationalized 1946; collection of Gothic sculptural arts, mediaeval frescoes and imitations of Gothic frescoes from Slovenia; collection of Renaissance, Baroque and 19th-century paintings and sculptures; paintings by Slovenian impressionists; collection of Slovenian graphic arts from the 18th to the beginning of the 20th century; collection of photographs, negatives and prints; photo-documentation of works of art from Slovenia; library of 9,436 vols.; Dir. Dr. ANICA CEVC; publs. manuals, catalogues†.

Narodni muzej (*National Museum*): Prešernova ul. 20, P.O.B. 529-X; f. 1821; Departments of archaeology and prehistory; history of applied arts; coins and medals; graphic arts; library of 100,000 vols.; branches: Museum of Bled (Medieval Castle and Exhibition rooms "Arkade"); Dir. Dr. PETER PETRU; publs. *Situla*†, *Catalogi et Monographiae*†, *Argo*†.

Prirodoslovni muzej Slovenije (*Slovenian Natural History Museum*): Prešernova 20; first founded 1826, became separate institution 1944; studies and gives its protection to natural phenomena; exhibits are displayed according to an ecological classification; the exhibition is composed of 115 dioramas with mixed zoological, botanical, paleontological samples; library of 5,724 vols.; Dir. Dr. ANTON POLENEC; publs. *Guide*, *Narava v muzeju* (Nature in the Museum).

Slovenski etnografski muzej (*Ethnographical Museum*): 61000 Ljubljana, Prešernova cesta 20; f. 1923; reorganized 1963; Slovene and non-European ethnographic collection; library of 20,000 vols.; Dir. Dr. BORIS KUHAR; publ. *Slovenski etnograf* (annual).

Slovenski školski muzej (*Slovenian School Museum*): Poljanska c. 28; f. 1938 to collect school documents and pedagogic books from the 12th century onwards; collection of records of cultural workers killed during the 1941–45 war; over 29,812 exhibits; library of 37,401 vols.; 412 fascicules; permanent exhibitions of development of schools in Slovenia; Dir. FRANCE OSTANEK; publs. 5 *let*–100 *šol* (1969–1973), *Gorisko in istrsko begunsko šolstvo* (1916–1919), *50-letnica Gentilejeve reforme* (1923–1973).

Zemljepisni muzej Slovenije (*Geographical Museum of Slovenia*): Trg francoske revolucije 7; f. 1946; maps of Slovenia, geographical collections, and exhibitions; library: Dir. Prof. Dr. VLADIMIR KLEMENČIĆ.

Maribor

Pokrajinski muzej (*Regional Museum*): Grajska ul. 2; f. 1903 from collections of the Maribor Museum, the historical societies, and the Episcopal Museum; archaeological, ethnographical, historical, topographical, and art exhibits; library of 6,875 vols.; Dir. Dr. SERGEJ VRIŠER.

Novi Sad

Art Gallery of Matica Srpska: Trg Proleterskih brigada 1; f. 1847; collection of Serbian art from 18th century; Dir. RADIVOJ M. KOVAČEVIĆ (acting).

Vojvodjanski muzej (*Museum of Vojvodina*): 21000 Novi Sad, Dunavska 35; f. 1947; sections: archaeology, ethnology, history, applied art; library of 40,000 vols.; Dir. MILAN VRANIĆ; publs. *Rad vojvodjanskih muzeja*† (annually), *Posebna izdanja*† (occasional).

Ptuj

Pokrajinski muzej (*Regional Museum*): Muzejski trg 1; f. 1945 from collections at the historic Ptuj castle, and the Ptuj Museum Society (f. 1893); archaeological, art, historical and ethnographic departments covering prehistoric, Roman, Old Slavic and Feudal periods; ecclesiastical art, folklore, three temples of Mithras; local history.

Rijeka

Moderna Galerija (*Museum of Modern Art*): Dolac 1; f. 1948; paintings, sculpture and graphics from Yugoslavia and other countries; library of 1,854 vols.; Dir. Dr. BORIS VIŽINTIN; publs. catalogues.

Prirodoslovni muzej (*Natural Science Museum*): Setalište Vladimira Nazora 3; f. 1946; Dir. Dr. CRNKOVIĆ DRAGO.

Sarajevo

Umjetnička galerija Bosne i Hercegovine: JNA 38; f. 1946; collections of modern art from Yugoslavia and Bosnia and Herzegovina; also ancient icons and art; library of 3,000 vols.; Dir. ARFAN HOZIĆ; publs. catalogues.

Zemaljski Muzej Bosne i Hercegovine (*Bosnian and Herzegovinian Museum*): f. 1888; prehistoric, Roman, Greek and Medieval periods, ethnological, botanical, zoological, geological sections; botanical garden; library of *c.* 100,000 vols.; Dir. Dr. ŽELJKA BJELČIĆ (Mrs.); publs. *Glasnik Zemaljskog muzeja*† (annual), *Wissenschaftliche Mitteilungen des Bosnisch-Herzegowinischen Landes-museums* (annual), *Novitates Musei Sarajevoensis* (occasional), *Srednjovjekovni nadgrobni spomenici Bosne i Hercegovina* (occasional), *Posebna isdanjai* (occasional), *Katalog prehistorijske zbirke* (occasional).

Škofja Loka

Loški Muzej: 64220 Škofja Loka, p.p. 9; f. 1936 by the museum club of Škofja Loka; special collection of exhibits relating to the Freising dominion (973–1803); ethnographic, topographic, natural history and historical exhibits; records of altars from 17th century, exhibits of medieval guilds; relics of the struggle for national liberation; art gallery; open air museum; museum; Pres. Dr. ANDREJ PAVLOVEC.

Skopje

Arheološki muzej (*Archaeological Museum*): 91000 Skopje, Kuršumli an; f. 1924; library of 4,600 vols.; Dir. SARŽO SARŽOSKI; publ. *Zbornik*† (Collected Papers, annually).

Art Gallery: P.O.B. 278, 91000 Skopje; f. 1948; Yugoslav medieval and modern art; Dir. NIKOLA MARTINOSKI; publs. catalogues.

Etnološki muzej na Makedonija (*Ethnological Museum*): Ploštad Maršal Tito 18/III; f. 1949; Dir. VÉRA KLIČKOVA.

Prirodonaučen muzej na Makedonija (*Natural History Museum of Macedonia*): 91000 Skopje, 55 Bulevar Ilinden b.b.; f. 1926; Dir. GRUPČE K. RISTO; publs. *Acta musei Macedonici, Scientiarum naturalium*, *Fragmenta Balcanica*, *Posebni izdanija* (special publications), *Fauna*.

Slavonski Brod

Brlić House—Ivana Brlić-Mažuranić Memorial: Titov trg 8; private family house containing archives, furniture, library (8,000 vols.) showing the evolution over 250 years of a Croatian middle-class family; Ivana Brlic (1874–1938) was a writer and first woman mem. of the Yugoslav Acad. of Sciences and Arts; Curator Mrs. ZDENKA BENČEVIĆ-BRLIĆ.

Split

Arheološki muzej u Splitu (*Archaeological Museum*): Zrinjsko-Frankopanska 25; f. 1820; prehistoric collections, relics from the Greek colonies on the east shore of the Adriatic Sea, Roman and Christian relics from Salonae and Dalmatia; Croatian medieval monuments from 9th to 13th century; library of 28,500 vols.; Dir. Prof. ŽELJKO RAPANIĆ; publ. *Vjesnik za arheologiju i historiju dalmatinsku*† (Bulletin of Dalmatian Archaeology and History).

Etnografski muzej (*Ethnographical Museum*): Narodni trg 1; f. 1910; national costumes, jewels, weapons, and technological objects from Dalmatia; illustrations section and textbook library; Dir. ILDA VIDOVIĆ; Asst. Dirs. JELENA GAMULIN, ZDENKA CRNKOVIĆ-PALČIĆ.

Galerija Meštrović (*Meštrović Gallery*): Moše Pijade 46; f. 1952; Dir. Prof. JOSIP SMRKINIĆ.

Galerija umjetnina (*Art Gallery*): Lovretska 11; f. 1931; 2,200 paintings and sculptures (ancient and modern); library of 6,000 vols.; Dir. Prof. Dr. KRUNO PRIJATELJ; Curator Prof. MARIJA TRIPKOVIĆ; publications of the Gallery† (25 vols.).

Muzej grada Splita (*City Museum of Split*): Papalićeva 1; f. 1946; political and cultural history of Split; library of 10,000 vols.; Dir. Dr. DUŠKO KEČKEMET; publ. *Editions*.

Prirodoslovni muzej (*Museum of Natural Sciences*): f. 1924; contains more than 100,000 exhibits of mineralogical, palaeontological and zoological specimens from Dalmatia and the Adriatic Sea; collections of coleoptera, shells and birds (mostly Dalmatian); library of 3,500 vols.; zoological garden (Vrh Marjana 1); Dir. Prof. ANTUN CVITANIĆ.

Subotica

Gradski muzej: f. 1892; sections: archaeology, local history, art and ethnology (Slav and Hungarian), coins; library of 8,000 vols.; Dir. TIBOR SEKELJ.

Zagreb

Arheološki muzej (*Archaeological Museum*): Zrinjski trg 19; f. 1846; museum of Croatian history from neolithic times until the 13th century; 30,000 vols.; Dir. Univ. Prof. Dr. DUJE RENDIĆ-MIOČEVIĆ; publ. *Vjesnik Arheološkog Muzeja u Zagrebu*†.

Etnografski muzej (*Ethnographical Museum*): Mažuranićev trg 14; f. 1919; cultural traditions of the three ethnographic regions of Croatia: Pannonic, Dinaric, Adriatic; department of Non-European cultures; Dir. Dr. MARIO PETRIĆ.

Galerije Grada Zagreba: Katarinin trg 2; f. 1961; library; Dir. Dr. BORIS KELEMEN; publ. *Spot*; controls:

> **Galerija Suvremene Umjetnosti** (*Gallery of Contemporary Art*): Katarinin trg 2; f. 1954; Chief Curator BOŽO BEK.
>
> **Galerija "Benko Horvat":** Rokov perivoj 4; f. 1946; private collection of antique and renaissance art; Chief Curator RADOSLAV PUTAR.
>
> **Galerija Primitivne Umjetnosti** (*Gallery of Primitive Art*): Cirilometodska 3; f. 1952; Cur. TOMISLAV ŠOLA.
>
> **Atelje Meštrović:** Mletačka 8; f. 1952; memorial collection of the sculptor Ivan Meštrović; Curator VESNA BARBIĆ.
>
> **Centar za Fotografiju, Film i Televiziju** (*Centre for Photography, Film and Television*): Rokov perivoj 4; f. 1973; Chief Curator Dr. DIMITRIJE BAŠIČEVIĆ.

Geološko-paleontološki muzej (*Geological and Palaeontological Museum*): Demetrova 1, 41.000 Zagreb; f. 1846; library of 5,350 vols.; Curator Prof. IVAN CRNOLATAC, MR.GEOL.

Glyptothèque: Yugoslav Academy of Sciences and Arts, Medvedgradska 2; f. 1937; collection of medieval frescos and plaster casts of ancient, medieval and recent sculptures and architecture; originals of sculptures of the 19th and 20th centuries in the S.R. of Croatia; Dir. MONTANI MIRO.

Hrvatski školski muzej (*Croatian Schools' Museum*): Trg maršala Tita 4; f. 1901; Dir. Prof. BRANKO PLEŠE; library of 32,178 vols. on the history of schools and education in Croatia; publ. *Zbornik za historiju školstva i prosvjete* (Collected papers on History of Education).

Kabinet Grafike (*Print Room*): Braće Kavurića 1; f. 1951; more than 7,500 prints, drawings, and about 1,800 posters; sponsored by the Yugoslav Academy of Sciences and Arts; Dir. Prof. RENATA GOTTHARDI-ŠKILJAN.

Mineraloško-petrografski muzej (*Museum of Mineralogy and Petrography*): Demetrova ul. 1; f. 1846; Dir. Prof. Dr. LJUDEVIT BARIĆ.

Moderna Galerija (*Gallery of Modern Arts*): Braće Kavurića 1; f. 1909; Dir. Prof. ZELJKO GRUM.

Muzej grada Zagreba (*City Museum of Zagreb*): Opatička 20; f. 1907; arranged so as to depict Zagreb from prehistoric times to 20th century; library of 6,000 vols.; Dir. Dr. FRANJO BUNTAK; Librarian AGNEZA SZABO; publ. *Iz starog i novog Zagreba*† (From Old and New Zagreb, irregular).

Muzej Narodne Revolicije (*The People's Revolution Museum*): Zagreb, Trg Žrtava Fašizma; f. 1945; library of 4,500 vols.; Dir. MANE TRBOJEVIĆ.

Muzej za umjetnost i obrt (*Museum of Applied Arts*): Trg maršala Tita 10; f. 1880; applied arts from the 14th to the 20th century: furniture, tapestries, textiles, ceramics, glass, gold and silver work, sculpture, paintings, miniatures, costume, samples of industrial design, clocks and watches, toys, prints and posters; art library of 22,850 vols.; Dir. Prof. ZDENKA MUNK; publs. *Muzej za umjetnost i obrt—Monografija* (Museum monograph), *Minijatura u Jugoslaviji* (Miniature in Yugoslavia, catalogue/monograph), Catalogues of temporary exhibitions.

Povijesni muzej Hrvatske (*Historical Museum of Croatia*): Matoševa 9; f. 1846; history of Croatia with collections of different historical objects; library of 22,500 vols.; Acting Dir. Dr. LELJA DOBRONIĆ; Librarian Prof. ZORA GAJSKI; publs. Catalogues†.

Strossmayerova galerija starih majstora (*Strossmayer's Gallery of Old Masters*): Zrinski trg 11/II; f. 1884; 13th to 19th centuries; Dir. Prof. VINKO ZLAMALIK; under the control of the Yugoslav Academy of Sciences and Fine Arts.

Tehnički muzej (*Technical Museum*): Savska c. 18; f. 1954; Dir. VLADIMIR GALEKOVIĆ.

Zoološki muzej (*Zoological Museum*): Demetrova 1/11; f. 1846; library of 16,000 vols.; Dir. MARIJA STOŠIĆ; publ. *Periodicum biologorum*†.

UNIVERSITIES

UNIVERZITET U BANJA LUCI
(University of Banja Luka)

TRG. PALIH BORACA 2/11,
78000 BANJA LUKA
Telephone: (078) 35-018, 35-034.
Founded 1975.

State control; Language of instruction: Serbo-Croat; Academic year: September to July.

Rector: Prof. Dragomir Malić.
Vice-Rectors: Asst. Prof. Dimitrije Hajduković, Asst. Prof. Ibrahim Tabaković.
Chief Administrative Officer: Rajko Kuzmanović.
Librarian: Irfan Nurudinović.

Number of teachers 158.
Number of students: 10,489 (5,940 external).

Publications: *Collections of Papers* (Faculty of Economics, Faculty of Law, annually; Pedagogical Academy (3 a year).

Deans:

Faculty of Economics: Dr. Vojislav Otašević.
Faculty of Electrical Engineering: Dr. Sadat Širbegović.
Faculty of Mechanical Engineering: Milan Jurković.
Faculty of Law: Radovan Hrnjaz.
Faculty of Chemical Engineering: Dr. Mladen Trkovnik.
Pedagogical Academy: Rifat Mehmedbegović.
Undergraduate School of Economics and Commerce: Kjazim Krajišnik.
Undergraduate Technical School: Jusuf Čaušević.

Professors:

Malić, D., Thermodynamics
Mihajlović, B., Mathematics
Otašević, V., Organization and Economic Production
Pavlović, Z., Analytical Chemistry
Rozgaj, S., Operational Units
Trkovnik, M., Organic Chemistry
Vasić, P., Organizations of Associated Work Theory

UNIVERZITET U BEOGRADU
(University of Belgrade)

STUDENTSKI TRG 1, BELGRADE
Telephone 635-153.
Founded 1863; reorganized 1905 and 1954.

Language of instruction: Serbo-Croat; Academic year: October to September.

Rector: Dr. Miroslav Pečujlić.
Vice-Rectors: Dr. Manojlo Budisavljević, Dr. Jovan Jovičić, Dr. Vojislav Petrović, Mila Korugić.
General Secretary: Momir Jovanović.
Librarian: Mrs. Stanija Gligorijević.

Library: *See* Libraries.

Number of teachers: 3,617.
Number of students: 53,500.
Publications: *List of Professors* (annual), *University Bulletin.*

Deans:

Faculty of Agriculture: A. Djokić.
Faculty of Architecture: M. Dimitrijević.
Faculty of Economics: S. Unković.
Faculty of Civil Engineering: S. Janjić.
Faculty of Defectology: D. Davidović.
Faculty of Electrical Engineering: J. Pop Jordanov.
Faculty of Forestry: S. Stilinović.
Faculty of Law: P. Ristić.
Faculty of Mechanical Engineering: V. Novaković.
Faculty of Medicine: M. Čemerikić.
Faculty of Mining and Geology (Belgrade): M. Simonović.
Faculty of Mining and Metallurgy (Bor): B. Kočovski.
Faculty of Organizational Sciences: D. Bodrožić.
Faculty of Pharmacy: N. Tufegdžić.
Faculty of Philology: R. Josimović.
Faculty of Philosophy: B. Gavela.
Faculty of Physical Education: J. Petrović.
Faculty of Political Sciences: R. Ratković.
Faculty of Sciences: Ž. Čeković.
Faculty of Stomatology: A. Piščević.
Faculty of Technology and Metallurgy: D. Vučurović.
Faculty of Transport: R. Banković.
Faculty of Veterinary Medicine: B. Dimitrijević.

Professors:

Faculty of Agriculture:
Avramov, L., Viticulture
Babović, M., Phytopathology
Bajčetić, B., Farm Management
Bogdanović, M., Pedology
Bulatović, S., Special Pomology
Džamić, M., Biochemistry
Džamić, R., Plant Physiology and Agrochemistry
Djaja, Č., Mathematics
Djokić, A., Plant Genetics
Djordjević, J., Dairy Technology
Djuričić, M., Chemistry
Erdeljan, V., Statistics
Gligorić, M., Mechanics
Gugušević-Djaković, M., Technology of Precooked Food
Ilić, B., Entomology
Jelenić, Dj., Plant Physiology and Agricultural Chemistry
Joksimović, J., Meat Technology
Jovanović, B., Plant Breeding
Jovašević, V., Political Economy
Kamenović, S., Geodesy
Kilibarda, K., Sociology
Kljajić, R., Phytopharmacy
Kojić, M., Botany
Konstantinović, B., Apiculture
Korunović, R., Pedology
Krnjajić, S., Entomology
Lović, R., Viticulture
Ljesov, D., Statistics
Marić, M., Genetics and Plant-Breeding Methods
Marković, P., Agricultural Economics
Marković, R., Hydraulics and Hydrology
Mićić, J., Agricultural Machinery
Mijatović, M., Forage Crops Production
Milojić, B., Field Crops
Milojić, M., Animal Husbandry
Milosavljević, M., General Viticulture
Milošević, P., Agricultural Machinery
Milutinović, M., Fruit and Vine Breeding Selection
Mitić, N., Animal Science
Niketić-Aleksić, G., Fruit and Vegetable Technology
Nenić, P., Agricultural Machinery
Obračević, Č., Animal Nutrition
Otašević, S., Farm Work Organization
Panić, M., Phytopathology
Pantović, M., Agricultural Chemistry, Soil Fertility and Fertilizers
Paunović, R., Alcoholic Beverage Technology
Pavlović, M., Engineering Materials, Fuels and Lubricants
Pejin, D., Farm Organization
Pejkić, B., Fruit and Vine Selection
Perišić, M., Phytopathology
Petrović, M., Book-keeping and Financial Operation
Petrović, Mil., Agricultural Chemistry
Petrović, V., Livestock Breeding
Popović, Z., Plant Physiology, Agricultural Chemistry, Soil Fertility and Fertilizers
Radovanović, B., Agricultural Economics
Radovanović, V., Wine Production and Wine Technology
Radulović, J., Physiology of Domestic Animals
Rahović, D., Fruticulture
Rodić, J., Financial Analysis
Simova-Tošić, D., Entomology
Simović, B., Animal Breeding and Genetics
Stanković, D., Fruit Growing
Stanković, Lj., Agricultural Calculations
Stanojevic, D., Physics
Stanojević, S., Meteorology and Climatology
Stefanović, R., Dairy Technology
Stević, B., Microbiology
Stojanović, M., Agroecology
Stojićević, D., Irrigation and Drainage
Šinžar, D., Zoology and Ecology
Šljivovački K., Animal Nutrition
Šterk, V., Zoohygiene, including Veterinary Science
Šuput, M., Field Crop Production
Šutić, D., Phytopathology
Šutić, M., Microbiology
Tanasijević, N., Entomology
Todorović, M., Microbiology
Tomić, Lj., Tobacco Processing
Tomin, A., Marketing
Tošić, M., Agricultural Machinery
Tošić, Mal., Phytopathology
Zeremski, D., Animal Nutrition
Živanović, M., Pedology
Živanović, Ž., Botany and Plant Ecology

Faculty of Architecture:
Aleksić, B., Housing
Anagnosti, P., Perspective
Antić, I., Building Design
Belajčić, D., Mathematics
Bjelikov, V., Town Planning
Bogdanović, B., Memorial Architecture
Damjanović, V., Industrial Buildings, Architectural Physics
Dimitrijević, M., Foundation Systems
Djokić, M., Building Design
Grujić, N., Descriptive Geometry

Hrabovski, O., Metal Structure
Ilić, D., Graphics and Painting
Ivković, V., Architectural Constructions
Jovanović, J., Building Site Organization and Building Installations
Jovanović, P., Theory of Construction
Mandić, S., Building Design
Martinović, U., Building Design
Milenković, B., Architectural Analysis
Nenadović, S., Architectural History of Yugoslavia
Novaković, B., Town Planning
Petrović, B., Mechanics and Strength of Materials
Petrović, M., Architectural Construction
Petrović, Z., Interior Design
Pjanić, Lj., Spatial Economy and Environment
Radojević, A., Architectural Drawing
Radović, R., Modern Architecture
Romić, S., Reinforced Concrete Construction
Simonović, Dj., Rural Planning
Stojaković, A., History of Art
Trbojević, R., Architectural Construction
Vulović, B., History
Zloković, D., Structural Systems

Faculty of Economics:
Adamović, Lj., International Economic Relations I
Ćirović, M., Finance I
Čobeljić, D., Economic Development Planning
Čobeljić, N., Economics of Yugoslavia
Cvijetić, L., Economic History
Draškić, M., Commercial Law II
Eremić, M., Statistics II
Jankov, S., Contemporary Economic Systems
Kolarić, V., Organization and Working of Transportation
Korać, M., Political Economy I
Kostić, Ž., Business Administration I
Kovač, O., International Economic Relations III
Kovačević, M., Accounting II
Kovačević, Ml., International Economic Relations II
Krasulja, D., Business Finance and Financial Analysis
Marjanović, S., Management Organization
Milisavljević, M., Business Administration II
Nikolajević, R., Accounting I
Njegić, R., Statistics I
Novaković, S., Economics of Transport
Perić, A., Finance II
Pilić, V., Political Economy II
Pjanić, Z., Theory and Policy of Prices
Popović, B., Accounting IV
Popović, M., Economic Geography
Radunović, D., Economics of Trade
Rakočević, K., Mathematics I
Ralević, R., Financial and Actuarial Mathematics
Ranković, J., Accounting III
Rašković, V., Sociology
Šoškić, B., Economic Doctrines
Stefanović, D., Communal Economics
Stojanović, D., Economic Mathematical Methods and Models
Stojanović, R., Theory and Policy of Economic Development
Subotić, N., Commercial Law I
Tričković, V., Market Research
Unković, S., Economics of Tourism
Urošević, S., Technology
Vučković, M., Economics of Agriculture
Vuličević, B., Mathematics II
Zečević, T., Statistics III and Operational Research
Zečević, V., Economics of Industry

Faculty of Civil Engineering:
Aćimović, M., Earthwork and Tunnelling
Bogunović, V., Engineering Mechanics
Boreli, M., Hydraulics and Hydrology
Božanović, A., Construction Materials
Brčić, V., Engineering Mechanics
Cvetković, Č., Applied Geodesy
Djurić, M., Theory of Structures
Hajdin, G., Fluid Mechanics
Hajdin, N., Theory of Structures
Ilić-Dajović, M., Mathematics
Ivković, P., Engineering Structures
Janjić, S., Railway Track Construction and Railway Stations
Jelisavčić, I., Construction Materials
Jovanović, M., Mathematic Cartography
Jovanović, S., Plan Surveying
Kontić, S., Plan Surveying
Kostić, V., Foundation
Lazarević, D., Concrete Structures
Marković, M., Highway Design and Construction
Milojević, M., Water Supply and Waste Water Disposal
Milosavljević, M., Steel Structures and Steel Bridges
Mrkšić, D., Theory of Structures
Pavlović, Z., Steel Structures and Steel Bridges
Pešić, B., Building Construction
Popadić, M., Mathematics
Radojković, M., Testing of Structures, Welding
Sbutega, V., Descriptive Geometry
Stipanić, E., Mathematics
Stojadinović, R., Soil Mechanics
Trbojević, B., Work Methods in Civil Engineering and Construction
Verčon, M., Water Power
Vladisavljević, Ž., Irrigation and Drainage
Zarić, B., Steel Structures and Steel Bridges

Faculty of Defectology:
Djurović, S., ph.d., Economic System of Yugoslavia
Kičić, M., ph.d., Clinical Genetics
Kostić, S., ph.d., Clinical Pathology of Chronic Physical Disablement
Krneta, Lj., ph.d., Education of Socially Maladjusted Young People
Marković, D., ph.d., Sociology, Theory and Practice of Self-Management
Peco, A., ph.d., Study of Language, Phonetics
Skerović, Dj., ph.d., Medical Physiology
Stanojčić, I., ph.d., Marxist Philosophy, Methodology of Scientific Research, Marxism and the Theory of Self-Management

Faculty of Electrical Engineering:
Aleksić, T., Data Processing
Boreli, F., Nuclear Physics
Ćetković, S., Mathematics
Duduković, P., Electrical Measurements
Horvat, R., Electric Circuit Theory
Ivanović, D., Theoretical Physics
Janić, R., Mathematics
Jovanović, M., Electrothermal Plants
Jovanović, V., Telecommunications Systems
Jovičić, J., Physics
Karadžić, L., Mathematics
Kurtović, H., Electro-acoustics
Lilić, B., Technical Mechanics
Lukatela, G., Telecommunications Theory
Marinčić, A., Telecommunications
Marjanović, S., Electronics
Mihailović, D., Mathematics
Milanković, Lj., High Voltage Engineering
Milanović, D., Microwaves
Milić, M., Electric Circuit Theory
Mitraković, B., Electrical Machines
Mitrinović, D., Mathematical Methods in Electrical Engineering
Muždeka, G., Electrical Power Transmission
Nahman, J., Electrical Energy Transmission
Nastić, B., Television
Nikolić, P., Mechanical and Electronic Elements
Pop-Jordanov, J., Physics
Popović, B., Electromagnetic Theory
Popović, D., Physics of Reactors
Popović, V., Telecommunication Measurements
Popović, Ž., Telephony and Telegraphy
Rabrenović, D., Electronics
Radojković, B., Electro-motive Plants and Electric Traction
Rakić, M., Automatic Control
Raković, B., Electronics
Stanić, B., Physics
Stojanović, I., Fundamentals of Telecommunications
Stojić, M., Automation
Surutka, J., Electromagnetics Theory
Tešić, S., Electronics
Tjapkin, D., Solid State Physics, Mechanical and Electronic Components
Todorović, M., Electro-motive Plants and Electric Traction
Tomović, R., Computers
Tošić, D., Numerical Analysis
Vasić, P., Mathematical Methods in Electrical Engineering
Volčkov, I., Electrical Machines
Vučić, V., Physical Measurements

Faculty of Forestry:
Aleksić, V., Petrography and Geology
Antić, M., Forest Soils
Bunuševac, T., Silviculture
Gajić, M., Botany
Ivkov, R., Forest Planting
Jovanović, B., Dendrology and Plant Communities
Jovanović, S., Forest Cultivation
Jović, N., Forest Pedology
Jovičić, D., Geodesy
Karapandžić, D., Advanced Mathematics
Karapandžić, D., Chemistry
Kolić, B., Meteorology and Climatology
Lujić, R., Forest Reclamation and Torrent Control
Lukić-Simonović, N., Wood Properties
Marinković, P., Technology of Wood Fibre Masses and Particle Boards
Milin, Ž., Forest Management
Milojković, D., Forest Management
Miščević, M., Dendrometry
Nikolić, S., Forest Utilization
Oreščanin, D., Wood Trade, Wood Marketing
Pantić, S., Geodesy
Pavić, J., Machines and Tools for Lumber Manufacturing
Perović, B., Planning of Wood-Processing Enterprises
Petričić, B., Wood Constructions and Furniture Production
Petrović, L., Forest Economics
Petrović, M., Wood Protection
Pribić, L., Scenery and Parks Protection
Senić, R., Technology of Auxiliary Materials
Simeunović, D., Forestry Organization and Administration
Simić, N., History of Arts and Horticulture

Simonović, M., Forest Transportation
Stamenković, V., Increment Study
Stilinović, S., Seed Production
Tomanić, L., Forest Management
Tomić, D., Forest Entomology
Tucović, D., Genetics and Plant Breeding
Vasić, K., Wood Protection and Preservation
Vasiljević, S., Anatomy of Wood
Velašević, V., Forest Amelioration
Vujičić, L., Production Organization and Management of Lumber Enterprises
Vukićević, E., Decorative Dendrology

Faculty of Law:

Avramov, S., International Public Law
Antonijević, Z., Economic Law
Bakić, V., Family Law
Baltić, A., Labour Law
Blagojević, B., Civil Law, Law of Inheritance
Denković, D., Administrative Law
Despotović, M., Labour Sociology, Social Policy
Dimitrijević, D., Criminal Procedure
Dimitrijević. P., Public Administration
Dimitrijević, V., International Relations
Djordjević, J., Constitutional Law and Theory of Government
Djordjević, M., Criminal Law
Djordjević, Ž., Law of Intellectual and Industrial Property
Djurović, R., International Business Law
Guzina, Ružica, History of Yugoslav Political and Legal Institutions
Janković, D., Yugoslav Legal History
Jezdić. M., Private International Law
Jovanović, V., Economic Law
Kandić, L., General Law History
Kavran, D., Theory of Organization, Administrative Law
Lukić, M., Forensic Medicine
Lukić, R., Philosophy of Law, Introduction to Law and Legal Sciences
Maksimović, I., Political Economy
Milutinović, M., Criminology and Penology
Mladenović, M., Family Law and Sociology
Nikolić, P., Constitutional Law
Pavićević, R., Political Sociology
Pečujlić, M., General Sociology, Marxism and Contemporary Society
Perović, S., Obligation Law, Law of Contracts
Petrović, M., Public Finance
Popović, M., General National Defence
Poznić, B., Civil Procedure
Simović, V., Communal System and Communal Policy
Srnić, I., Social and Political Systems
Stanković, J., Sociology Law
Stanković, O., Civil Law Introduction Course
Stanković, V., Economic System of Yugoslavia
Stanovčić, V., Political History
Stojčević, D., Roman Law
Škara, L., Statistics
Šulejić, P., Insurance Law
Trajković, M., Transportation Law
Vacić, A., Economic Policy
Vasić. V., Economic Policy
Vučinić, M., General National Defence

Faculty of Mechanical Engineering:

Aleksić, L., Armament Metrology
Antić, M., Theory of Traction, Industrial Furnaces, Drying Plants, Locomotives
Banić, M., Strength of Materials and Structures
Borisavljević, M., Utilization of Motor Vehicles
Bulat, V., Scientific Labour Management
Čatipović, B., Interior Ballistics
Čirić, M., Automatic Weapons
Deijer, S., Material Handling Machinery
Djaković, B., Chemical Engineering Equipment
Djordjević, V., Dynamics of Gases
Dragović, T., High-Speed Aerodynamics, Computer Technology
Drašković, D., Combustion
Džodžo, B., Ship Installations
Gajić, D., Aerodynamics Structure
Grujić, L., Discrete and Nonlinear Systems
Janićijević, N., Motor Vehicle Design
Jankov, R., Piston Compressors
Janković, D., Rocket Propulsion
Janković, D., Calculation of Motor Vehicles
Janković, S., Dynamics of Projectile Flight
Jojić. K., Strength of Materials
Josifović, M., Theory of Elasticity, Aero-elasticity
Jovanović, D., Scientific Labour Management
Jovanović, S., Engineering Economics
Jovanović, T., Quantitative Analysis Methods
Jovičić, M., Descriptive Geometry
Jović, B., Optical Instruments
Jovičić, M., Tools and Tooling
Kolendić, I., Internal Combustion Engines
Krsmanović, Lj., Turbomachines, Hydraulic Transmissions
Lovrić, D., National Defence
Mamuzić, Z., Mathematics
Manojlović, B., Engineering Materials
Marcikić, N., Aircraft Equipment
Marković, S., Railway Vehicles
Milačić, V., Machine Tools
Milinčić, D., Heat and Mass Transfer
Miljanić, P., Electrical Engineering
Milojković, B., Automatic Control, Linear Systems
Milović, P., Building and Mining Machinery
Milosavljević, M., Mechanics of Ballistics Systems
Minović, S., Missile Guidance and Control
Novaković, V., Agricultural Machinery
Ostrić, D., Metal Structures
Pantelić, T., Theory of Mechanisms
Pejović, S., Hydraulic Installations
Pilić, B., Sociology and Economics
Pivko, S., Engineering Mechanics
Popović, D., Factory Layout, Processing Apparatus, Operations Equipment
Popović, M., Heat Turbines, Gas Turbines, Turbocompressors
Protić, Z., Hydraulic Machinery
Radosavljević, L., Engineering Mechanics, Theory of Oscillations
Radovanović, M., Fuels and Lubricants
Ribar, B., Ship Design
Ristić, M., Nuclear Engineering
Saljnikov, V., Hydromechanics
Šašić, M., Pipe Conveyance
Sekulić, M., Servomechanisms and Computers
Šolaja, V., Machine Tools
Stamatović, A., Missiles
Stanić, J., Engineering Metrology, Metal Working Processes
Stanojević, D., Aircraft Design and Construction
Stojanović, D., Steam Turbines, Power Plant Installations
Stojanović, Ž., Pumps, Compressors and Faucets
Todorović, B., Heating and Air Conditioning
Todorović, J., Calculation and Testing of Motor Vehicles
Trifunović, T., Engine Testing
Urošević, M., Heating and Ventilating
Verčon, J., Lubrication Techniques
Veriga, S., Machine Elements
Vesović, M., Railway Engineering
Voronjec, D., Basic Industrial Processes
Vujić, M., Jet and Rocket Engines
Vujić, S., Refrigeration Engineering, Design of Air-Conditioning Equipment
Vušković, I., Hydraulic Machines, Engineering Metrology
Zarić, S., Automation of Production Processes
Živković, C. M., Internal Combustion Engines
Živković, S. M., Aircraft Design and Construction
Živojinov, J., Engineering Physics
Zrnić, N., Design and Construction of Ships

Faculty of Medicine:

Antić, R., Internal Medicine
Arambašić, M., Pathological Anatomy
Bata, A., Pathological Physiology
Beleslin, D., Pharmacology
Blagojević, M., Ophthalmology
Bojanović, J., Chemistry
Božović, B., Internal Medicine
Bugarski, O., Chemistry
Bumbaširević, Ž., Orthopaedic Surgery
Conić, Z., Physical Medicine and Rehabilitation
Cvetković, M., Biochemistry
Cvetojević-Savić, M., Pathological Anatomy
Čalić-Perišić, N., Paediatrics
Davidović, M., Biology
Djurić, D., Internal Medicine
Drndarski, K., Bacteriology
Funtek, M., Military Education
Gerzić, Z., Surgery
Glidžić, V., Surgery
Gospavić, J., Neuropsychiatry
Išvaneski, M., Pathological Anatomy
Japundžić, I., Biochemistry
Jokanović, D., Forensic Medicine
Josipović, V., Internal Medicine
Jovanović, S., Anatomy
Kilibarda, M., Professional Diseases
Korać, D., Paediatrics
Kostić-Simonović, J., Physics
Krajinović, S., Epidemiology
Lalević, P., Surgery
Lambić, I., Internal Medicine
Merkaš, Z., Radiology
Mićović, P., Social Medicine
Milanović, V., Sociology
Milosević, M., Pharmacology
Mladenović, D., Gynaecology
Morić-Petrović, S., Neuropsychiatry
Mršević, D., Histology
Najdanović, B., Internal Medicine
Nikolić, M., Neuropsychiatry
Perišić, S., Dermatology
Perišić, V., Internal Medicine
Petrović, F., Medical Statistics
Popović, I., Surgery
Popović, S., Child Surgery
Radmanović, B., Pharmacology
Radojičić, B., Neuropsychiatry
Radulović, B., Orthopaedic Surgery
Rakić, C., Orthopaedic Surgery
Rakić, Lj., Biochemistry
Rotović, B., Chemistry
Savič, D., Oto-Rhino-Laryngology
Savićević, M., Hygiene
Simić, B., Hygiene
Škerović, Dj., Physiology

Stefanović, B., Oto-Rhino-Laryngology
Stefanović, P., Oto-Rhino-Laryngology
Stefanović, S., Internal Medicine
Stevanović, D., Dermatology
Šulović, V., Gynaecology
Tomić, M., Gynaecology
Varagić, V., Pharmacology
Vujadinović, J., Surgery

Faculty of Mining and Geology:
Andjelković, M., Historical Geology
Bajalović, J., Physical Chemistry
Cvetićanin, R., Coal Deposits
Dimitrijević, M., Geological Mapping
Dordjević, V., Petrography
Draškić, D., Ore Processing
Genčić, B., Underground Methods applied to Bedded Deposits
Grubić, A., Historical Geology
Janjić, M., Engineering Geology
Janković, S., Prospecting of Ore Deposits
Karamata, S., Petrogenesis
Krstanović, I., Crystallography
Maksimović, Z., Geochemistry
Milojević, N., Hydrogeology
Pantić, N., Paleobotany
Petković, M., Prospecting of Ore Deposits
Protić, M., Petrology of Sedimentary Rocks
Simonović, M., Open-pit Mining Equipment
Spajić, O., Historical Geology
Spasojević, B., Open Pit Mining
Stevanović, P., Historical Geology
Topolac, Ž., Physics
Vakanjac, B., Non-metallic Ore Deposits

Faculty of Mining and Metallurgy—Bor:
Aćić, R., Flotation of Concentration
Blažon, M., Testing of Metals
Budić, I., Ore Dressing and Concentration
Čikara, D., Physical Chemistry
Cvetković, D., Metallurgy of Iron and Steel
Gajić, M., Development and Mining Methods
Gajić, S., Petrography, Mineral Deposits of Metals and Non-metals
Grbović, M., Technology of Ore Dressing and Concentration, Machines and Equipment in Ore Dressing
Ignjatović, R., Physical Methods of Mineral Concentration
Kalčić, S., Thermodynamics
Kočovski, B., Theory of Casting, Metallurgy of Cast Iron and Steel, Alloys and Non-ferrous Metals
Kovačević, P., Elements of Mechanical Engineering
Ljubić, Z., Surface Mining
Marjanović, R., Technical Mechanics, Matter Resistivity
Milićević, Ž., Elements of Exploitation of Ore Deposits
Miljković, M., Accident Prevention (Labour Protection)
Ničić, D., Elements of Sociology
Nikolić, P., Elements of Geology, Geological Documentation
Nikolić, V., Civil Engineering in Mining
Nikolić, Ž., Mine Ventilation, Underground Mine Drainage
Pacović, N., Metallurgy of Rare Metals, Light Metals Metallurgy, Chemical Methods in Concentration
Perović, B., Processing of Metals in Plastic State
Randjić, D., Projecting in Ore Dressing
Stanković, R., Mine Projecting
Stanković, R., Transport in Ore Dressing
Stanković, Z., Theory of Hydro and Electro-metallurgical Processes
Stefanović, Z., Elements of Extractive Metallurgy
Veselinović, V., Drilling and Blasting Technology, Mining Material Technology
Vukadin, M., Mechanical Engineering in Metallurgy, Theory of Processing Metals in Plastic State
Živković, M., Tunnelling and Drivage

Faculty of Organizational Sciences:
Bjeletić, D., Sociology of Labour
Bodrožić, D., Organization and Management of Investment Policy
Bogić, V., Organization and Management of Business Systems
Bošković, D., Organization of Research and Development
Božić, V., Economics of Organization of Associated Labour
Cirić, V., Computers, Programming and Application
Čubra, N., Organization of Research and Development
Dajović, S., Mathematics I
Drulović, M., Theory of Decision Making
Džinović, M., Organization of Associated Labour
Filipović, D., Andragogy
Grujić, M., Staff Function in Associated Labour
Ivković, Z., Mathematical Statistics
Josipović, N., Organization of Maintenance of Labour Resources
Jovanović, Lj., Organization of Energy Systems in Production
Jovićević, M., Psychophysiology of Labour
Kavran, D., Follow-up System of Staff Development
Kozić, P., Marxism and Self-Management
Kratina, H., Self-management Relations in Associated Labour
Krčevinac, S., Econometric Methods
Lazarević, B., Automization of Production Processes
Macura, S., Foundations of National Defence I
Mileusnić, N., Organization of the Production Process
Milićević, D., Political Economy
Milutinović, V., Economic Structure of Yugoslavia
Mitrović, Z., Organization of Quality Control
Pejović, P., Mathematics II
Perić, A., German and English Language
Perišić, R., Organization of Internal Transport
Petrić, J., Operations Research and Econometric Methods
Radaković, V., Foundations of National Defence II
Rajkov, M., Systems Theory
Roglić, V., French Language
Terzić, B., Russian Language
Todorović, J., Construction Systems
Zakić, M., Methods and Techniques in Staff Function
Zeremski, V., Economic Organization of Associated Labour

Faculty of Pharmacy:
Arsenijević, V., Organic Chemistry
Berkeš, I., Biochemistry
Blagojević, Z., Pharmaceutical Chemistry
Burić, I., Physics
Danilović, M., Pharmaceutical Technology
Draškoci, M., Pharmacodynamics with Fundamentals of Pathological Physiology
Dugandžić, M., Analytical Chemistry
Janković, B., Microbiology
Kečkić, J., Mathematics
Lukić, O., Pharmacognosy
Nikolić, K., Physical Chemistry
Nikolić, R., Botany
Popović, A., Physiology with Fundamentals of Anatomy
Soldatović, D., Toxicological Chemistry
Stanimirović, S., Bromatology
Stefanović-Djukanović, Neo-organic Chemistry

Faculty of Philology:
Drašković, V., French Language
Flora, R., Romanian Languages and Literature
Ilić, M., Fundamentals of Social Science
Kovačević, I., English Language and Literature
Marković, V., English Language and Literature
Milošević, N., Literary Criticism
Mojašević, M., German Literature
Pantić, M., History of Yugoslav Literature from the Renaissance to the Age of Enlightenment
Pavlović, M., French Literature
Peco, A., History of Serbo-Croat and Dialectology
Popović, M., Yugoslav Literature
Pudić, I., Comparative Grammar of Germanic Languages and Gothic Language
Puhalo, D., English Language and Literature
Sekvi, E., Italian Literature
Vučenov, D., Modern Yugoslav Literature
Živanović, D., Polish Language and Literature

Faculty of Philosophy:
Barjaktarović, M., Ethnology
Berger, J., Methods of Clinical Psychology
Ćirković, S., Medieval National History
Crepajac, Lj., Greek Language
Djordjević, J., Didactics
Djurić, V., History of Medieval Art
Ferjančić, B., Byzantology
Flašar, M., Classical Literature
Garašanin, M., Prehistoric Archaeology
Gavela, B., Classical Archaeology
Jeremić, D., Aesthetics
Korać, Veljko, History of Philosophy
Korać, Voj., History of Architecture
Kostić, C., Rural and Urban Sociology
Kovačević, J., Medieval Archaeology
Kron, A., Theory of Cognizance
Kvaščev, R., Educational Psychology
Maksimović, J., History of Medieval Art
Marjanović, J., History of the Yugoslav People
Matić, V., Psychopathology of Childhood
Medaković, D., History of Modern Art
Mihailović, R., History of Art of the New Era
Milić, V., Methodology of Sociological Research
Papazoglu, F., Ancient History
Pavićević, V., Ethics
Pavlović, B., History of Ancient Philosophy
Petrović, R., Demography
Popović, M., General Sociology
Popović, M., Social Pathology
Potkonjak, N., General Education Science
Radojčić, S., History of Art
Radonjić, S., General Psychology

Rot, N., Social Psychology
Šajković, R., History of Philosophy
Šalabalić, R., Latin Language
Samardžić, R., General History of the New Era
Savićević, D., Andragogy
Smiljanić, V., Psychology of Development
Srejović, D., Prehistoric Archaeology
Tešić, V., Educational Theory of Adults
Trifunović, L., Modern Art
Vlahović, P., Ethnology of the Yugoslav People

Faculty of Political Sciences:
Bezdanov, S., Educational Policy
Blagoev, B., Labour Relations
Bogetić, Lj., Modern Political History
Božović, R., Sociology of Culture and Cultural Policy
Bulat, S., Political Economy
Četković, V., General Sociology
Djordjević, J., Political System and Political Life
Djordjević, M., Recent Political History; History of Journalism
Djordjević, T., Public Opinion and Mass Communication
Franković, D., Elements of Education with Methodology of Social Sciences
Gavranov, V., International Relations
Gligorijević, S., Political Economics
Grozdanić, S., Methodology of Social Research
Grličkov, A., International Economic Relations
Gudac, Ž., Contemporary Political History
Jakovljević, Dj., Social Medicine and Health Protection
Janković, B., International Law
Lakićević, D., Doctrines and Comparative Systems in Social Policy
Lukač, D., Cybernetics
Malobabić, P., Elements of National Defence
Marjanović, J., Introduction to Political Science
Marković, D., Sociology of Work
Marković, Lj., Yugoslav Economic System
Matić, M., Political Systems and Political Life
Matić, V., Methodology of Social Work
Milosavljević, S., Methodology
Mitrović, D., International Business Relations
Mladenović, M., The Family and its Social Protection, Law Concerning Domestic Relations
Najman, V., Social Pathology
Nedeljković, I., Theory of Social Work
Pašić, N., Yugoslav Political System and Political Life
Pejanović, O., Contemporary Philosophy
Petrović, D., Mental Hygiene, Methodology of Social Work
Pjanić, L., Communal and Habitation Policy
Pribićević, B., Contemporary Socialism
Račić, O., Diplomacy and International Organizations
Rakočević, Ž., Political Economics
Rašević, M., Elements of Statistics and Demography
Ratković, R., Introduction to Political Sciences
Smiljković, R., Political Sociology
Stanojčić, I., Contemporary Sociology
Stanovčić, V., History of Political Theories
Stefanović, D., Communal Policy
Stojiljković, D., Information and Propaganda
Stojković, M., Yugoslav Foreign Policy
Strahinjić, Č., Theory and Practice of Self-Government
Šefer, B., Yugoslav Social Policy and Development
Šešić, B., Methodology of Social Research
Špadijer, B., Socio-political System
Vajs, E., International Social Policy
Vasović, V., Contemporary Political Systems
Vratuša, A., Self-Government in Theory and Practice
Vukmirica, V., Contemporary Economic Systems
Zečević, M., Normative Legal Proceedings
Zorić, D., General Sociology
Živanov, S., Contemporary Socialism

Faculty of Sciences:
Adnadjević, D., Topology
Aljančić, S., Theory of Function
Andjus, R., Physiology
Bertolino, M., Differential Equations
Čadež, M., Dynamic Meteorology
Čelap, M., Inorganic Chemistry
Djurić, V., Economic Geography
Dukić, D., Hydrology
Grujić-Injac, B., Chemistry of Natural Products
Janjić, T., Analytical Chemistry
Janković, M., Plant Ecology and Plant Geography
Jurić, M., Atomic Physics
Kanazir, D., Biochemistry
Kurepa, Dj., Mathematical Analysis
Marković, J., Geography of Yugoslavia
Mihailović, M., Theoretical Organic Chemistry
Milojević, A., General Physics
Mušicki, Dj., Theoretical Physics
Orlov, K., Numerical Mathematics
Petrović, D., Geomorphology
Petrović, V., Comparative Physiology, Endocrinology
Rakičević, T., Physical Geography
Rašajski, B., Analytical Geometry
Ribnikar, S., Radiochemistry
Ristić, S., Spectrochemistrv
Rodić, D., Economic Geography of Yugoslavia
Ševarlić, B., Astronomy
Stefanović, M., Organic Chemistry
Šušić, M., Electrochemistry
Vajgand, V., Analytical Chemistry
Vasović, M., Regional Geography
Veljkovic, S., Chemical Kinetics
Vitorović, D., Applied Chemistry
Vujičić, V., Statistics
Vukanović, V., Atomistics

Faculty of Stomatology:
Andjić, J., Physiology and Biochemistry
Dergenc, S., Ophthalmology
Dimitrijević-Legradić, K., Pathophysiology
Djajić, D., Diseases of the Mouth
Gavrilović, V., History of Stomatology
Ilić, Č., Oto-Rhino-Laryngology
Ivanković, D., Internal Medicine
Karapanžić, M.,Maxillo-Facial Surgery
Kosovčević, M., Prosthetics
Leković, B., Dermatovenerology
Lukić, V., Children's and Preventive Dentistry
Marković, D., Diseases of the Teeth
Marković, D., Roentgenology
Nedeljković, D., Surgery
Nešković, P., Microbiology
Paljm, A., Pathological Anatomy
Pavlović, V., Chemistry
Perović, J., Oral Surgery
Popov, S., Physics
Stošić, P., Children's and Preventive Dentistry
Terzić, M., Pharmacology
Volf, N., Neuropsychiatry

Faculty of Technology and Metallurgy:
Ast, T., Spectrometric Identification of Organic Compounds
Baras, J., Technology of Brewing
Bastić, B., Organic Chemistry
Bogosavljev, P., Blast Furnace Preparation, Iron Ore Agglomeration, Research and Control Techniques in Iron and Steel Making
Bulatović, Z., Mathematical Treatment of Experimental Data, Mathematical Introduction to Mechanics
Despić, A., Physical Chemistry, Chemical Kinetics
Dimitrijević, Dj., Organic Chemistry I
Dragojević, M., General Chemistry
Dražić, D., Kinetics of Electrode Processes, Electro-Chemical Double Layer and Absorption, Electro-Chemical Kinetics, Physical Chemistry
Drobnjak, D., Physical Metallurgy
Djordjević, B., Chemical Engineering Thermodynamics
Djordjević, S., Physical Chemistry, Electro-Metallurgy, Electroplating
Djokić, D., Technology of Fertilizers
Djurković, B., Metallurgy of Rare Metals
Djurković, O., Textile Organic Chemistry
Gaković, N., Metallurgy of Iron and Steel Making, Continuous Processes
Golubović, V., Analytical Chemistry, Organic Reagents in Analytical Chemistry
Ilić, I., Theory of Metallurgical Processes
Jaćović, M., Chemistry of Macromolecules
Janaćković, T., Chemistry and Technology of Building Materials
Jančić, M., Materials Science
Joksimović-Tjapkin, S., Combustion and Industrial Furnaces
Jovanović, J., Physical Methods in Organic Chemistry
Jovanović, M., Methods of Electroanalytical Chemistry
Jovanović, M., Glass Technology
Jovanović, M., Energy of Metallurgical Furnaces, Furnaces and Design in Metallurgy
Jovanović, R., Textile Fibres
Jovanović, S., Colloidal Chemistry
Kendereški, S., Industrial Microbiology
Krsmanović, M., Mathematics
Majdanac, Lj., Pulp and Paper Technology
Malić, D., Heat and Thermodynamics-Non-Equilibrium, Thermodynamics-Phase Equilibrium
Mićić, J., Organic Chemical Technology, Chemical Reaction Engineering
Mihajlović, D., Metallography
Mijović, V., Textile Testing (with Statistics)
Milenković, V., Mechanical Working—Extrusion, Cold Drawing Forging
Mišić-Vuković, M., Geography of Organic Molecules
Mišković, B., Mechanical Working—Rolling
Mišković, N., Theory of Plastic Deformation
Mišović, J., Instrumental Methods of Chemical Analysis, Physical and Chemical Methods of Separation
Mladenović, S., Industrial Electro-Chemistry, Corrosion, Corrosion Protection
Muškatirović, M., Physical Organic Chemistry

Nedeljković, Lj., Metallurgy of Alloyed and Clean Steel Making, Physical Chemistry of Iron and Steel Making
Pavlović, B., Physics
Radojsković-Veličković, M., Heterocyclic Chemistry
Radosavljević, S., Inorganic Chemistry
Radovanović, D., Principles of Inorganic Chemical Technology, Chemical Thermodynamics
Rajković, V., Technology of Food Preservation
Rakić, O., Selected Topics in Mathematical Analysis
Rekalić, V., Analytical Methods of Industrial Products Analysis
Rogulić, M., Physical Metallurgy, Electron Microscopy, X-ray Diffraction of Metals
Sinadinović, D., Non-ferrous Metallurgy
Spasić, M., Non-ferrous Metallurgy
Stanković, S., Chemical Technology of Cellulose
Stevančević, D., Chemical Technology of Primary Petrochemical Products, Chemical Technology of Secondary Technological Products
Stojanović, O., Organic Chemistry II
Šaper, R., Process Control
Sćepanović, V., General Chemistry
Šušić, S., Technology of Carbohydrates
Tadić, Z., Mechanism and Structure in Organic Chemistry
Tatić-Janjić, O., Electrochemistry
Tecilazić-Stevanović, M., Ceramic Technology
Trajković, J., Biochemistry of Food
Trajković, R., Technology of Dyeing, Technology and Technical Preparation of Printing
Trifunović, D., Material Science
Uščumlić, M., Mathematics
Valčić, A., Material Science
Veličković, J., Chemical Technology of Synthetic Resins
Vidojević, N., Heat Treatment of Metals
Vitorović, O., Qualitative Analysis
Vračar, R., Non-Ferrous Metallurgy, Light Metals
Vrhovac, Lj., Organic Chemical Technology
Vučurović, D., Non-Ferrous Metallurgy, Theory of Metallurgical Processes

Faculty of Transport:
Adamović, M., Transportation Economics, Geography
Banković, R., Municipal Transport
Čičak, M., Railway Traffic Management
Ćućuz, N., Dynamics and Oscillations of Vehicles
Dinić, D., Railway Vehicles, Train Traction Organization
Djuković, B., Warehouses
Dragač, R., Transportation Traffic Engineering
Eror, S., Railway Traffic Management
Jovanović, B., Political Economy, Basics of Marxist Philosophy and Sociology
Jovanović, D., Electronic Control and Communications
Jovanović, N., Planning; Regulation and Safety in Road and City Traffic
Jović, S., Shipping and Ports; Water Transport and Port Management; Basis of Water Traffic
Kreculj, D., Shipping and Power Drive Systems, Resistance and Propulsion of Ships
Lenasi, J., Motor Vehicles
Lukić, M., Air Traffic Terminals
Macura, D., Highway Technology
Milićević, M., Rail-Signal Safety Arrangements
Milošević, B., Railway Tracks and Stations
Naerlović, Natalija, Strength of Materials; Mechanics
Popović, B., Mathematics
Pavliček, D., Railway Traffic
Perišić, R., Co-ordination of Transport
Putnik, N., Motor Vehicle Depots and Terminals
Radoš, J., Traffic Engineering Techniques
Radovanović, V., Vehicle Maintenance
Smiljanic, D., Descriptive Geometry
Špagnut, D., Technological Features of Goods in Transportation
Sretenović, M., Mechanization of Cargo Transfer
Stanojević, R., Technical Drawing, Fundamentals of Machines
Stojanović, H., Urban Planning and Transportation
Tomić, M., Stationary Traffic
Topenčarević, Lj., Traffic Engineering
Vukadinović, S., Mathematical Statistics and Operational Research
Vukićević, S., Internal Transport
Zorić, D., Air Transportation Vehicles, Propulsion and Mechanics of Flight

Faculty of Veterinary Medicine:
Antić, S., Economics and Statistics
Berkeš, P., Chemistry
Danon, J., Botany
Dimitrijević, B., Pharmacology and Toxicology
Djukić, B., Forensic Veterinary Medicine
Djurdjević, D., Pathological Physiology
Gligorijević, J., Physical Therapy
Janković, Ž., Anatomy of Domestic Animals
Jovančević, V., Physics
Kozić, Lj., Diseases of Poultry
Lapčević, E., Internal Diseases of Ungulates and Carnivores
Mihajlović, B., Virology
Miljković, V., Obstetrics of Domestic Animals
Miljković, Višeslava, Hygiene and Technology of Milk Production
Nikolić, B., Physiology
Panjević, D., Infectious Diseases of Domestic Animals
Pavlović, S., Animal Husbandry
Petrović, Z., Parasitology
Popesković, D., Biology
Puhać, I., Veterinary Hygiene
Rašeta, J., Meat Inspection, Hygiene and Technology of Meat
Savić, I., Meat Hygiene and Technology
Ševković, Nemanja, Nutrition of Domestic Animals
Šibalić, S., Parasitic Diseases
Sofrenović, D., Pathological Anatomy
Stamatović, S., Internal Diseases of Ruminants and Pigs
Tadić, M., Surgery and Ophthalmology
Tešić, D., Pharmacology
Trbić, B., Microbiology, Serology, Immunology

Faculty of Physical Education:
Aleksić, I., Hygiene
Horvatić, F., Handball, Basket Ball
Ivančević, S., Methodology of School Physical Education
Janković, R., Boxing, Wrestling and Judo
Kavčić, J., Field Activities, Psychomotor Studies
Koturović, Branka, Dances
Koturović, Ljubiša, Kinestherapeutics
Kurelić, N., Track and Field Athletics, History of Physical Culture
Leskošek, J., Pedagogy, Methodology of Recreation
Lukić, B., Common National Defence
Mrvaljević, D., Anatomy
Nišavić, M., Games and Sports
Opavski, P., Biomechanics
Petrović, A., Sports, Gymnastics (Women)
Petrović, J., Gymnastics (Men)
Radović, Z., Marxism, Psychology including Statistics
Rajnović, V., Association Football
Stevanović, V., Swimming and Water Polo
Stojanović, M., Human Developmental Biology and Introduction to Sports Medicine
Todorović, B., Physiology
Tomić, D., Volleyball

ATTACHED INSTITUTE:

University Geological Institute: Kamenička 6; f. 1880; Dir. Prof. Kosta V. Petrović; publ. *Annales géologiques de la péninsule balkanique*

UNIVERZITET UMETNOSTI U BEOGRADU

(**Belgrade Arts University**)
VUKA KARADZICA 12,
11000 BELGRADE
Telephone: 624-020.

Founded 1957 as Academy of Arts; became University 1973.

Language of instruction: Serbo-Croat; Academic year: October to June.

President: Mrs. Nada Andrejević-Kun.
Vice President: Miloš Ćirić.
Rector: Prof. Radoš Novaković.
Vice-Rectors: Vojin Stojić, Aleksandar Obradović, Rajko Nikolić, Horhe Mikieli (Student).
Secretary-General: Mrs. Dobrila Šoškić-Petrović.

Number of teachers: 239.
Number of students: 1,422.
Publication: *4F*† (2 a year).

DEANS:

Faculty of Musical Art: Berislav Popović.
Faculty of Fine Arts: (vacant).
Faculty of Applied Arts: Djordje Rosić.
Faculty of Dramatic Arts: Vladan Slijepčević.

PROFESSORS:

Faculty of Musical Art:
Gligorijević, J., Solo Singing
Ilić, V., Conducting
Josif, E., Composition and Orchestration
Marjanović, L., Violin
Marković, V., Violin
Mezetova, A., Solo Singing
Mihajlović, O., Piano
Mokranjac, V., Composition and Orchestration
Obradović, A., Composition and Orchestration

PREGER, A., Piano
RAJČIĆ, S., Composition and Orchestration
ŠKARKA, V., Piano
TURŠIĆ, I., Bassoon

Faculty of Fine Arts:
BAJIĆ, M., Painting and Drawing
BOŠAN, D., Painting and Drawing
CELIĆ, S., Painting and Drawing
DAMJANOVIĆ, M., Philosophy of Art
KARANOVIĆ, B., Graphics
KEČIĆ, M., Painting and Drawing
KRATOHVIL, J., Sculpture
MIHAĆ, M., Painting and Drawing
PETROVIĆ, Z., Painting and Drawing
POPOVIĆ, M., Sculpture
SRBENOVIĆ, M., Painting and Drawing

Faculty of Applied Arts:
ČELEBONOVIĆ, A., Scenography
RISTIĆ, D., Costume
ŠERBAN, M., Costume

Faculty of Dramatic Arts:
BAJČETIĆ, P., Acting
BAJIĆ, S., History of Theatre and Drama
BELOVIĆ, M., Theatre Directing
BJEGOJEVIĆ, J., Dancing and Movement Technique
DAMJANOVIĆ, M., Aesthetics
DEDIĆ, M., Acting
DJORDJEVIĆ, B., Diction
DJUROVIĆ, R., Film and TV Screen Play
JOVIĆ, B., Economy and Law in Arts Activities
LUKIĆ, V., Film Camera
MARIČIĆ, M., Acting
MILIĆEVIĆ, O., Acting
NOVAKOVIĆ, R., Film Directing
PEJČIĆ, L., Voice Technique
RANKOVIĆ, M., Sociology of the Arts
SLIJEPČEVIĆ, V., Film Directing
STOJANOVIĆ, D., Film Theory

UNIVERZITET "SVETOZAR MARKOVIĆ" U KRAGUJEVCU
(Kragujevac "Svetozar Markovic" University)

B. KIDRIČA B.B.,
34000 KRAGUJEVAC

Telephone: (034) 65-424; foreign calls: 68-232.

Founded 1976.

State control; Language of instruction: Serbo-Croat.

Rector: Prof. Ing. MILAN VESOVIĆ.
Vice-Rectors: Prof. Dr. DUŠAN SIMIĆ, Prof. Dr. MILAN DESPOTOVIĆ.
General Secretary: MIROSLAV MIJAILOVIĆ.
Librarian: Mrs. EMILIJA JOVANOVIĆ.

Number of teachers: 162.

Number of students: 4,497 full time, 2,156 part-time.

Publication: *Bulletin* (every 2 months).

DEANS:

Faculty of Mechanical Engineering: Prof. Ing. MILIVOJ BOŽIN.
Faculty of Economics: Prof. Dr. MILINKO ŠĆEPANOVIĆ.
Faculty of Law: Prof. Dr. ŽIVORAD DJORDJEVIĆ
Faculty of Natural Sciences and Mathematics: Prof. Dr. BUDISLAV TATIĆ.
Teachers' Technical Faculty at Čačak: Prof. Dr. MILIVOJE UROŠEVIĆ.

PROFESSORS:

Faculty of Mechanical Engineering:
BANIĆ, M., Strength of Materials
DEVEDŽIĆ, B., Metal Forming
SIMIĆ, D., Motor Vehicles
TRBOJEVIĆ, M., Basic Concepts of Design
VESOVIĆ, M., Industrial Equipment

Faculty of Economics:
ADAMOVIĆ, L., International Economic Relations
DJAJA, Č., Mathematics
JANKOV, S., Modern Economic Systems
KOLAREVIĆ, D., Economy of Yugoslavia
KOSTIĆ, Z., Business Economics
MARKOVIĆ, P., Economic Development
MIKIJELJ, V., Technology
PILIĆ, V., Political Economy
POPOVIĆ, M., Economic Geography
RAŠKOVIĆ, V., Sociology
RISTIĆ, L., Commercial Law
ŠĆEPANOVIĆ, M., Prices and Agricultural Economics
ŠOŠKIĆ, B., Economic Doctrines
TRIČKOVIĆ, V., Market Research

Faculty of Law:
AVRAMOV, S., International Public Law
CEROVIĆ, D., International Economic Law
DENKOVIĆ, D., Administrative Law
DESPOTOVIĆ, M., Labour Law
DJORDJEVIĆ, Ž., Copyright and Industrial Ownership Law
GUZINA, R., History of State and Law
IVIĆ, A., Constitutional Law
JANKOVEC, I., Commercial Law
JOVANOVIĆ, M., Civil Procedural Law
KANDIĆ, L., History of State and Law
KAŠANIN, R., Civil Law
KAVRAN, D., Management
KURDULIJA, M., Hereditary Law
MILUTINOVIĆ, M., Criminology
PETROVIĆ, M., Finance and Financial Law
POPOVIĆ, M., Domestic Law and Family Sociology
RADIŠIĆ, J., Obligatory Law
RADOMIROVIĆ, V., Sociology
STANOJEVIĆ, O., Roman Law
VODINELIĆ, V., Criminal Procedural Law and Criminology

Faculty of Natural Sciences and Mathematics:
ADAMOVIĆ, D., Elementary Mathematics
BEK-UZAROV, D., Electromagnetics and Optics
BLEČIĆ, V., Systematics of Compound Plants
JANJIĆ, T., Qualitative Chemical Analysis
KANAZIR, D., Biochemistry
KARAMAN, M., Taxonomy, Comparative Morphology, Ecology
KRNETA, L., Educational Psychology
LOPANDIĆ, D., Geometry
MARINKOVIĆ, D., Genetics
MIKULIĆ, F., Evolution of Animals
MLADENOVIĆ, M., History and Philosophy of Physics
MUŠICKI, DJ., Physics
NOVAKOVIĆ, L., Theoretical Mechanics, Physics, Quantum Mechanics
PEJOVIĆ, T., Differential Equations
PETROVIĆ, V., Comparative Physiology
PLJAKIĆ, M., Taxonomy and Comparative Morphology
RAŠAJSKI, B., Analytical Geometry
ŠNAJDER, Z., Descriptive Geometry
TATIĆ, B., Morphology of Plants, Microbiology
TODOROVIĆ, A., Sociology
VAJGAND, V., Chemical Analysis
ŽIŽIĆ, B., Atomic and Nuclear Physics

Teachers' Technical Faculty at Cacak:
ĆURČIĆ, M., Technical Drawing
DJORDJEVIĆ, J., Education
MARKOVIĆ, M., Physics
PANTELIĆ, M., Chemistry, Chemical Technology
UROŠEVIĆ, M., Marxism

ATTACHED INSTITUTES:

Institute for Fruit Research at Čačak: 32000 Čačak; Dir. Dipl. Ing. Dr. MILISAV GAVRILOVIĆ.

Institute for Crops Research at Kragujevac: 34000 Kragujevac, Jovanovački put b.b.; Dir. Dipl. Ing. Dr. ALEKSA POPOVIĆ.

UNIVERZA V LJUBLJANI
(University of Ljubljana)

TRG OSVOBODITVE 11,
LJUBLJANA

Telephone: 22-052, 23-721.

Founded 1595, reconstituted 1809, reopened 1919.

Academic year: September to August (two terms); Language of instruction: Slovene.

Rector: Prof. Dr. SLAVKO HODŽAR.
Vice-Rectors: Prof. Dr. LEVIN ŠEBEK, Prof. FRANC GALIČ.
Secretary-General: MILAN FABJANČIČ.

Number of teachers: 2,319.

Number of students: 20,362.

Publications: *Objave, Poročilo, Vestnik, Seznam predavanj Univerze v Ljubljani, Bibliografija doktorskih disertacij univerze in drugih visokošolskih in znanstvenih ustanov, Biografije in bibliografije univerzitetnih učiteljev in sodelavcev.*

DEANS:

Faculty of Philosophy: Prof. Dr. MATJAŽ KMECL.
Faculty of Law: Prof. Dr. BOGOMIR SAJOVIC.
Faculty of Economics: Prof. Dr. OTO NORČIČ.
Faculty of Natural Science and Technology: Prof. Dr. DUŠAN KARBA.
Faculty of Architecture, Civil Engineering and Geodesy: Prof. NIKO KRALJ.
Faculty of Electrical Engineering: Prof. Dr. JERNEJ VIRANT.
Faculty of Mechanical Engineering: Prof. Dr. DUŠAN POLJAK.
Faculty of Medicine: Prof. Dr. MIHA LIKAR.
Faculty of Biotechnics: Prof. Dr. FRANC LOČNIŠKAR.
Faculty of Sociology, Political Science and Journalism: Prof. Dr. ADOLF BIBIČ.
Academy of Music: Prof. MIHAEL GUNZEK.
Academy of Theatre, Radio, Film and Television: Prof. FRANCE STIGLIC.
Academy of Fine Arts: Prof. Dr. PRIMOŽ KOZAK.
Higher School of Physical Culture: Prof. Dr. MIRAN ČUK.
Higher School of Pedagogy: Prof. Dr. JURIJ KUNAVER.

Higher School of Maritime Engineering: Zdravko Klasek.
Higher School for Social Workers: Prof. Dr. Andreja Kavar-Vidmar.
Higher School for Sanitary Workers: Juro Vuga.
Higher School of Safety Engineering: Prof. Ludovik Kavs.
Higher School of Public Administration: Prof. Martin Lorbar.

UNIVERZA V MARIBORU
(University of Maribor)

62000 MARIBOR,
KREKOVA ULICA 2
Telephone: (062) 22-281.
Founded 1975.

State control; Language of Instruction: Slovene; Academic year: September to August.

Rector: Dr. Vladimir Bračič.
Vice-Rectors: Dr. Rudi Crnković, Boris Sovič (student).
Secretary-General: Darin Hasl.
Librarian: Dr. Bruno Hartman.

Number of teachers: 282 full-time, 143 part-time.
Number of students: 4,133 full-time, 5,050 external.

Deans:

School of Economics and Commerce: Dr. Dušan Bobek.
School of Technical Sciences: Dr. Dali Donlagić.
School of Organizational Science: Štefan Kadoič.
Pedagogical Academy: Dr. Viljem Brumec.
Law School: Mag. Miro Mastnak.
School of Agriculture: Ivo Miluš.

UNIVERZITET "DŽEMAL BIJEDIC" U MOSTARU
(University of Mostar)

TRG. "14 FEBRUAR" B.B., 79000 MOSTAR
Telephone: (088) 39-140.
Founded 1977.

Number of teachers: 125.
Number of students: 5,200.

Language of instruction: Serbo-Croat; Academic year: September to August.

Rector: Prof. Bela Ler.
Vice-Rector: Djura Maričić.
General Secretary: Edin Šemić.
Librarian: Prof. Salih Leho.

Publication: *Bilten* (quarterly).

Deans:

Law: Prof. Dr. Kasim Trnka.
Economics: Prof. Dr. Zoran Trputec.
Mechanical Engineering: Božidar Corić.
Pedagogical Academy: Prof. Dušan Petrović.

Attached Institutes:

"HEPOK"—Istraživačko-razvojni centar: 79000 Mostar; agricultural research and development; Dir. Vlado Trninić.

Duvanski Institut: 79000 Mostar, Put za Glavicu 8; tobacco research institute; Dir. Slavko Jelčić.

UNIVERZITET U NIŠU
(University of Niš)

MIKE PALIGORIĆA 2, 18000 NIŠ
Telephone: 25722, 25544.
Founded 1965.
State control; Language of instruction: Serbo-Croat.

Rector: Dr. Gligorije Zaječaranović.
Vice-Rectors: Dr. Slobodan Lazović, Dr. Života Živković.

General Secretary: Bulatović Dragomir.

Number of teachers: 825.
Number of students: 21,061.

Publications: *Pregled predavanja* (Prospectus, annual), *Glasnik Univerziteta u Nišu* (Review, irregular), *Bilten referata za izbor nastavnika i fakultetskih saradnika* (Bulletin of Academic Titles, irregular).

Deans:

Faculty of Medicine: Milan Milanović.
Faculty of Electronic Engineering: Radosav Djordjević.
Faculty of Civil Engineering: Lazar Ignjatović.
Faculty of Mechanical Engineering: Zoran Boričić.
Faculty of Law: Dr. Dragoljub Stojanović.
Faculty of Economics: Gavrilo Vidanović.
Faculty of Safety at Work: Teofilo Popović.
Faculty of Philosophy: Dr. Željko Kućer.

Professors.

Faculty of Medicine:
Ćosić, B., Paediatrics
Djoković, L., Oral and Maxillo-facial Surgery
Grbeša, B., Neuro-Psychiatry
Jovanović, M., Oto-Rhino-Laryngology
Jeftić, Z., Internal Medicine
Kranjčić, M., Microbiology and Parasitology
Levi-Jovović, E., Microbiology and Parasitology
Pavlović, S., Midwifery and Gynaecology
Simić, M., Epidemiology

Faculty of Electronic Engineering:
Aćimović, S., Electronic Components
Kovačević, B., Electrical Measurements
Ristić, M., Technology of Electron Materials

Faculty of Civil Engineering:
Babić, D., Melioration
Dančević, D., Architectural Constructions
Jeftimijades, S., Railways
Ranković, J., Architectonics of Apartment Houses
Savić, R., Earthwork and Tunnels
Subanović, B., Exploitation of Water Resources
Vojinović, M., Hydraulics

Faculty of Law:
Dimitrijević, M., Introduction to Law
Jovanović, L., Criminal Law
Kulić, D., Constitutional Law
Marković, M., Civil Process Law
Matejić, M., Finance and Financial Law
Stojanović, D., Introduction to Civil Law and Law of Real Property

Faculty of Economics:
Blagojević, O., Economic Doctrine
Djurović, S., Marketing
Sretenović, M., International Economic Relations
Vidanović, G., Economic Geography
Zeremski, V., Business Enterprise Analysis

Faculty of Mechanical Engineering:
Ilić, M., Physics
Popović, P., Adaptation through Plastic Deformation

Faculty of Philosophy:
Kućer, Ž., Physics
Mihaijlović, Lj., English Language
Vukotić, S., Introduction to Modern Chemical Analysis
Zaječaranović, G., Logic

Attached Institutes:

There are 13 institutes attached to or associated with the Faculty of Medicine, one attached to the Faculty of Mechanical Engineering, one attached to the Faculty of Civil Engineering and one to the Faculty of Economics.

UNIVERZITET U NOVOM SADU
(University of Novi Sad)

21000 NOVI SAD,
VELJKA VLAHOVIĆA 3,
POŠT. FAH 7
Telephone: 55-621, 55-629.
Founded 1960.

State control; Language of instruction: Serbo-Croat; Academic year: October to June.

Rector: Prof. Dr. Bogoljub Stanković.
Pro-Rectors: Prof. Dr. Dušan Jakšić, Prof. Dr. Prokopije Milenković, Prof. Dr. Dragoje Žarković.
Student Pro-Rector: Djuro Babić.
General Secretary: Petar Mišić.

Number of teachers: 1,231.
Number of students: 23,209.

Publications: *Glasnik* (Review, irregular), *Bilten* (Bulletin, irregular).

Deans:

Faculty of Economics: Prof. Dr. Milena Vlaškalić.
Faculty of Agriculture: Prof. Dr. Zoran Stojanović.
Faculty of Law: Prof. Dr. Mladen Stojanov.
Faculty of Technical Sciences: Prof. Dr. Dragutin Zelenović.
Faculty of Medicine: Prof. Dr. Dušan Popović.

Faculty of Natural Sciences and Mathematics: Prof. Dr. Slobodan Carić.

Faculty of Philosophy: Dr. Milorad Pavić.

Faculty of Technology: Prof. Dr. Ljubomir Jazić.

Faculty of Physical Culture: Prof. Aleksije Ber.

Faculty of Civil Engineering: Prof. Dr. Dragoslav Branković.

Academy of Fine Arts: Prof. Rudolf Bruči.

Pedagogical-Technical Faculty: Prof. Dr. Ranko Jakovljević.

Professors

Faculty of Agriculture:

Arsenijević, M., Fruit and Vine Protection
Borojević, S., Genetics
Briza, K., Ampelography
Burić, D., Fruit and Vine Growing
Čamprag, D., Special Entomology, Plant Protection
Djurkić, J., General Entomology
Drezgić, P., Special Field Crops
Hadživuković, S., Statistics
Jevtić, S., Farming
Jovanović, V., Veterinary Science and Zoohygiene
Končar, L., Domestic Animal Breeding
Manojlović, S., Agrochemistry
Marić, A., Phytopathology
Marko, J., Book-keeping and Accountancy
Mekinda, M., Agricultural Machinery
Mezei, S., Political Economy
Milenković, P., Economic Policy in Agriculture
Miljković, N., Pedology
Mišković, M., Reproduction of Domestic Animals
Nikolic, V., Phytopathology
Rajkov, B., Organization of Agricultural Production
Reljin, S., Marketing
Sarić, Z., Microbiology
Savić, R., General Field Crops
Šijački, N., Anatomy and Histology
Slović, D., Fruit Growing
Stanaćev, S., Special Farming
Stanković, A., Phytopharmacy
Stojanović, T., Special Entomology
Stojanović, Z., Veterinary Science and Zoohygiene
Šijački, N., Anatomy and Histology
Vapa, M., Physiology of Domestic Animals
Vučić, N., Irrigation
Živković, S., Domestic Animal Breeding

Faculty of Economics:

Bandin, T., Economics of BSMO*
Dejanović, P., Organization and Management of BSMO*
Dohčević, S., Economic Analysis of Industrial BSMO*
Dundjerov, M., Business Policy and Planning of Agricultural BSMO* Development
Hercog, R., Policy and Planning of Business BSMO* Development
Kun, L., Technological Systems in Industry
Orlović, B., Business Information Systems
Rakovački, M., Theory and Methodology of Accountancy
Rehak, L., Sociology
Tasić, A., International Economic Relations
Tešić, M., Foreign Trade
Vlaškalić, M., Yugoslavian Economy

* Basic Self-Management Organization

Faculty of Law:

Carić, S., Economic Law
Djetvai, K., Introduction to Civil Law, Real Law
Kovačević, M., Administrative Law
Lazarević, L. J., Criminal Law
Magarašević, A., International Public Law and International Relations
Milošević, Lj., Law of Obligation
Pupić, B., Introduction to Law
Stefanov, M., Family Law, Law of Inheritance
Žarković, D., Political Economy

Faculty of Technical Sciences:

Ćulum, Z., Physics
Čupić, E., Industrial Engineering
Cvekić, V., Electronics
Flašar, A., Technology and Production Organization
Gulić, M., Boilers and Installations
Jakšić, D., Regulation and Automation
Kelić, V., Land Reclamation Machinery
Križnar, M., Motor Vehicles and Equipment
Mandić, J., Mechanical Resistance
Marić, V., Mathematics
Naumović, M., Sociology
Oljaca, M., Refrigerators
Pantelić, I., Technology of Metals
Rekecki, J., Machine Tools Automatic Control
Sovilj, R., Mechanics of Fluids
Tijanić, M., Electrical Machines
Vujanović, B., Mechanics II, Dynamics
Zelenović, D., Production Systems

Faculty of Medicine:

Berić, B., Gynaecology
Branovački, D., Stomatology
Dimković, D., Surgery with War Surgery
Goldman, S., Internal Medicine with Phthisiology
Kragujević, M., Microbiology
Marinkov, S., Medical Biochemistry
Milin, R., Histology and Embryology
Radovanović, M., Hygiene and Industrial Medicine
Savić, D., Social Medicine
Stanulović, D., Internal Medicine with Phthisiology
Vurdelja, N., Neuro-Psychiatry with Medical Psychology

Faculty of Natural Sciences and Mathematics:

Borojević, K., Genetics
Canić, V., General and Inorganic Chemistry
Carić, N., Geography of Settlements
Čanak, M., Plant Ecology
Gavrilović, Ž., General Biology
Gaćeša, N., General History, History of Yugoslavia
Glumac, S., Morphology and Systematics of Invertebrates, Organic Evolution
Janković, D., Physics
Marić, D., General Physiology
Marinkov, L., Nuclear Physics
Nikolić, M., General Physics
Obradović, M., Phytogeography, Practical Botany, Biogeography
Okiljević, B., Mathematics I
Pelicarić, Š., Biology
Petrović, J., Geology, Hydrology, Geomorphology
Prvanovanić, M., Geometry
Rančić, D., Physical Chemistry, Electro-Chemistry
Sarić, M., Plant Physiology
Stanković, B., Introduction to Functional Analysis
Stefanović, O., Chemistry
Stojaković, M., Elementary Algebra

Faculty of Philosophy:

Bori, I., Hungarian Literature
Ćurić, R., Fundamentals of Pedagogy
Gavrilović, S., National History
Ivić, M., Modern Serbo-Croatian Language, General Linguistics
Kostić, S., German Literature, History of German-Yugoslav Literary Relations
Makarić, R., Introduction to Pedagogy
Mirnić, J., National Liberation War and Socialistic Revolution
Mladenović, A., History of Serbian Language and Dialectology
Penavin, O., General and Hungarian Linguistics
Pervaz, D., History of English Language and Literature
Pogačnik, J., Slovenian Language and Literature
Rakić, B., Pedagogical Methodology and Psychology
Seli, I., History of 19th-century Hungarian Literature
Vuletić, V., 19th- and 20th-century Russian Literature
Živković, D., 19th-century Serbian Literature
Živančev, M., Modern Croatian Literature

Faculty of Technology:

Bećarević, A., Biochemistry
Bogoslavljević, M., Technological Operations
Djaković, L. J., Colloidal Chemistry
Matijašević, B., Oils and Fats Technology
Novaković, M., Technical Thermodynamics
Piletić, M., Organic Chemistry
Putanov, P., Physical Chemistry
Rahelić, S., Meat Technology
Stevančević, D., Technology of Secondary Petrochemical Products
Šulc, D., Fruit and Vegetable Technology
Žakula, R., Food Microbiology with Hygiene of Production

Faculty of Civil Engineering:

Milović, D., Soil Mechanics

Academy of Fine Arts:

Bruči, R., Composition, Orchestration
Drašković, B., Conducting
Jašvili, M., Violin
Karlavaris, B., Fine Arts Teaching Methods
Nikolajević, M., Drawing
Pataki, L., Drama
Timakin, E., Piano

Pedagogical-Technical Faculty:

Cijan, B., Technical Mechanics
Lekić, Dj., Experimental Didactics

There are research institutes attached to each faculty.

SVEUČILIŠTE U OSIJEKU

(University of Osijek)

OSIJEK

Founded 1975; in process of formation

Number of teachers: 212.
Number of students: 4,701.

UNIVERZITET U PRIŠTINI

(University of Priština)

RRUGA E MARËSHALIT
TITO P.N., 38000-PRIŠTINA
Telephone: 24-970.

Founded 1970.

State control; Languages of instruction: Serbo-Croat and Albanian; Academic year: September to June.

Rector: Dr. Feriz Krasnići.

Vice-Rectors: Dr. Gazmend Zajmi, Dr. Svetomir Stožinić.

General Secretary: Zeq Shehu.

Librarian: Bedri Hysa.

Number of teachers: 759.

Number of students: 21,934.

Deans:

Faculty of Agriculture: Muharrem Shala.

Faculty of Philosophy: Dr. Vladeta Vuković.

Faculty of Law: Dr. Petar Stanišić.

Faculty of Economics: Dr. Nuri Bashota.

Faculty of Engineering: Ing. Nexhat Orana.

Faculty of Medicine: Dr. Izedin Osmani.

Faculty of Natural Sciences and Mathematics: Dr. Riza Çavolli.

Academy of Art: Svetomir Arsić.

Professors:

Faculty of Philosophy:

Agani, F., Logic, Theory of Political Sciences
Ajeti, I., History of Albanian Language and its Dialectology
Bajraktarević, D., History of Serbo-Croat Language and its Dialectology
Čanović, S., Didactics
Corac, M., Contemporary Serbo-Croat Language
Filipović, V., History of Serbo-Croat Literature
Hadri, A., History of the Albanian People
Hrabak, B., History of Modern Yugoslav Peoples and Medieval History
Jashar, R., History of Pedagogy
Jerković, I., Old Slav Language, Comparative Grammar of Slav Languages
Jokić, V., History of Philosophy and Aesthetics
Mulaku, L., Morphology of Albanian Language
Penčić, S., Russian 19th-Century Realism
Pllana, S., Literature
Radisav, N., History of Pedagogical Research
Rizaj, S., General History
Vuković, V., History of Modern Yugoslav Literature

Faculty of Economics:

Bashota, N., Political Economy
Bogdanović, B., Agricultural and Industrial Economy
Jovanović, B., Theories of Political Economy
Krasniqi, M., Economic Geography

Faculty of Law:

Ferović, A., Political Systems
Hoxha, H., General Sociology
Marković, B., Juridical Law
Marković, M., General Sociology
Pupovci, S., Family and Inheritance Law
Stanišić, P., Economic System of Yugoslavia
Stavileci, E., Juridical Law
Zajmi, G., Social-Political System of Yugoslavia
Zdravković, Z., Civil, Real and Obligative Law

Faculty of Engineering:

Dida, A., Basic Science
Hamiti, E., Mathematics
Kalafatović, D., Organization and Mechanization of Work
Rode, B., Material of Machinery
Syla, H., Transport and Distribution of Electrical Energy

Faculty of Medicine:

Čolaković, B., Social Medicine
Imami, O., Microbiology
Petrović, D., Pathophysiology
Stožinić, S., Internal Medicine

Faculty of Natural Sciences and Mathematics:

Bajović, S., Analytical Geometry, Differential Equaitons and Partial Equations
Daci, N., Chemistry
Gashi, M., Regional Extra European Geography
Karaman, M., Morphology and Toxology of Invertebrates
Krasniqi, F., Systematization of Plants
Lleshi, Q., Economic Regional Geography
Martinović, Ž., Geometry
Merovci, Y., Usual, Differential, Partial and Integral Equations
Pejčinović, D., Ecology of Plants, Biological Methodology
Rozhaja, D., Animal Physiology
Vranić, M., Geography of Yugoslavia

Faculty of Mining and Metallurgy:

Dushi, M., Transport
Sefaja, J., Chemistry
Todorović, Ž., Geodesy

Academy of Art:

Mulliqi, M., Painting

SVEUČILIŠTE U RIJECI
(University of Rijeka)

ULICA A. NEGRI 1, 51000 RIJEKA
Telephone: 051-23-781.

Founded 1973

Academic year: September to August; Language of instruction: Croatian literary language.

Rector: Dr. Josip Deželjin.

Pro-Rectors: Dr. Bogosav Kovačević, Dr. Edgar Škrobonja.

Secretary-General: Ivo Volarić.

Number of teachers: 720, including 96 professors.

Number of students: 7,800 full-time, 5,420 part-time.

Deans:

Faculty of Medicine: Dr. Slobodan Marin.

Faculty of Engineering: Dr. Zlatko Šverer.

Faculty of Law: Dr. Zoran Kompanjet.

Faculty of Seamanship and Transportation: Dr. Boris Prikril.

Maritime College: Aleksandar Dolinar.

College of Economics (Pula): Eduard Kvaternik.

Teacher Training School (Rijeka): Dr. Milan Crnković.

Teacher Training School (Pula): Aldo Macinić.

Teacher Training School (Gospić): Stipe Josipović.

University Centre of Economics and Organizational Sciences: Dr. Žarko Popović.

Faculty of Economics: Dr. Ivo Žuvela.

Faculty of Hotel Management: Dr. Dušan Jagodić.

Faculty of Education: Srećko Mramor.

Faculty of Industrial Education: Dr. Vesna Tomašić.

Professors:

Faculty of Medicine:

Antonin, B., Clinical Propaedeutics
Atanacković, D., Pharmacology, Pathological Physiology
Bačić, V., Histology and Embryology
Bezjak, V., Microbiology
Blečić, K., Hygiene and Public Health
Cezner, M., Infectious Diseases
Čuk, S., Neuropsychiatry
Franciškovič, V., War Surgery
Gall-Palla, V., Chemistry
Gligo, D., Ophthalmology
Juretić, M., Paediatrics
Kogoj-Bakić, V., Gynaecology and Obstetrics
Kopajtić, B., Internal Medicine
Korin, N., History of Medicine
Križan, Z., Anatomy
Ledić, P., Neuropsychiatry
Lenković, M., Surgery
Longhino, A., Surgery
Marin, S., Phthisiology
Matejčić, M., Roentgenology
Matutinović, T., Otolaryngology
Mohorovičić, D., Pathology and Pathological Anatomy
Pavešić, D., Gynaecology and Obstetrics
Pavlović, P., Clinical Radiology and Oncology
Perović, D., Gynaecology and Obstetrics
Premužić-Lampić, M., Internal Medicine
Rukavina, D., Physiology
Šustić, V., Surgery
Tavčar, R., Dental Surgery
Urban, S., Biology
Volarić, B.. Legal Medicine
Vrbanić, D., Gynaecology and Obstetrics
Wolf, A., Dermato-venerology

Faculty of Engineering:

Barić, J., Electrical Engineering
Eren, R., Technological Planning of Production Procedure
Grubiša, O., Technology of Ship Building and Construction
Katavić, I., Metal Forming
Krpan, M., Mechanics
Kuljanić, E., Metal Cutting, Optimization of Machine Processes
Margić, S., Tools and Work Devices
Milošević, Š., Steam Boilers, Ships' Auxiliary Engines
Obsiger, J., Machine Elements
Obsiger, V., Thermodynamics of Binary Mixtures
Ostojić, B., Automation and Regulation of Control
Pečornik, M., Mechanics of Fluids, Hydraulic Machines
Pirš, J., Testing of Materials, Heat Treatment of Metals
Ruman, R., Theory of Oscillation, Strength of Materials
Sapunar, Z., Mechanics
Selaković, M., Factory Economics and Organizations
Škrobonja, E., Thermodynamics

Šverer, Z., Transport Equipment, Internal Transport
Vučinić, A., Ship Propulsion
Winkler, Z., Shipyard Organization, Business Economics and Organization

Faculty of Economics:
Deželjin, J., Political Economy
Dvornik, I., Financing
Kraljić, I., Banking
Mrkušić, Ž., Foreign Trade and Exchange Systems
Nemarnik, I., Marketing
Popović, Z., Business Development Policy
Šaban, S., Basic Organization of Associated Labour
Šišul, N., Contemporary Economic Theories and Theory of Self-management
Žuvela, I., International Economic Relations, Scientific Research Study

Faculty of Hotel Management:
Andrić, N., Tourism, Tourist Trade Economics
Antunac, I., Organization and Economics of Travel Agencies
Jagodić, D., Economics of Yugoslavia
Jakovlić, V., Commodity Economics and Nutrition
Štambuk, M., Law, Hotel Organization and Management, Catering Economics

Faculty of Law:
Čaval, J., Statistics
Dworski, E., Maritime and Transport Law
Kompanjet, Z., Commercial Law
Margetić, L., Roman Law
Milović, Dj., General History of State and Law, History of State and Law of Peoples of Yugoslavia

Faculty of Civil Engineering:
Ekl, B., Regulations and Meliorations
Magaš, B., High Constructions
Reiser, I., Geodesy
Sabljak, Z., Concrete and Reinforced Concrete
Samardžija, V., Mathematics
Sila, Z., Town Planning

Faculty of Education:
Kovačević, B., Didactics
Polić, V., Economics of Education
Radić, M., Mathematics, Algebra and Methodology
Salamon, T., Industrial Education
Sremec, B., Psychology
Švajcer, V., Didactics
Tomašić, V., Geometry, Topology, Theory of Sets

Faculty of Seamanship and Transportation:
Bonefačić, B., Technics and Economics of Ship Employment
Prikril, B., Integral Transportation Systems
Rubinić, I., Marine Economics and Organization, Means of Sea Traffic
Sokolić, D., International Forwarding, Tariffs and Tariff Policy
Stanković, P., Insurance of Goods in Transportation, Maritime Property Law, Surface and Air Traffic Law
Zorović, D., Ship Navigation Equipment, Basis of Computer Application, Corrosion and Ship Protection, Cybernetics in Transport

UNIVERZITET U SARAJEVU
(University of Sarajevo)

SARAJEVO, V.S. OBALA 7/11,
POST. FAH 186

Telephone: 23-891, 23-875.

Founded 1946.

Academic year: October to September; Language of instruction: Serbo-Croat.

Rector: Prof. Dr. Zdravko Besarović.

Pro-Rectors: Dr. Nikola Filipović, Dr. Emir Humo, Ratko Sladojević (student).

General Secretary: S. Resulović.

Number of teachers: 1,402.
Number of students: 18,767.

Publication: *Bilten Univerziteta u Sarajevu* (quarterly).

Deans:

Faculty of Law: Dr. Dj. Samardžić.
Faculty of Economics: Dr I. Karlović.
Faculty of Medicine: Prof. Dr. Hišam Serdarević.
Faculty of Veterinary Sciences: Dr. Alija Talić.
Faculty of Philosophy: Dr. Hanifa Kapidžić.
Faculty of Sciences: Dr. M. Atanacković.
Faculty of Agriculture: Dr. Zak Finci.
Faculty of Forestry: Dr. I. Kopčić.
Faculty of Building and Construction: Ing. B. Veljković.
Faculty of Architecture and Town Planning: Dr. G. Ferušić.
Faculty of Mechanical Engineering: Dr. Ramiz Zubčević.
Electro-Technical Faculty: D. Dragoljub Milatović.
Faculty of Mining in Tuzla. Dr. Boško Miletović.
Faculty of Metallurgy in Zenica: Dr. Vojin Bijelić.
Faculty of Political Sciences: Dr. Omer Ibrahimagić.
Faculty of Technology in Tuzla: Dr. Tihomil Marković.
High School for Physical Culture. Bogdan Maksimović.

Professors:

Faculty of Law:
Alagić, D., International Private Law
Bajić, M., Elements of Roman Law
Čemerlić, H., Constitutional Law
Festić, I., Government Law
Erić, M., Political Economy
Ibrahimpašić, B., Sociology
Ilič, M., Penal Process Law
Krneta, S., Civil Law
Lovrenović, S., Economic Politics, Economy Law—Special Part
Loza, B., Law of Obligations, Economy Law—Special Part
Mijanović, G., Communal System
Mladjenović, R., Elements of Criminology
Peleš, A., International Public Law
Perić, B., Labour Law
Samardzic, D., State History and Law
Silajdžić, A., Family and Inheritance Law
Spaić, V., Civil Law, Economy Law—General Part
Stajić, A., Penal Law, Elements of Criminology
Sućeska, A., History of Yugoslav State and Law

Faculty of Economics:
Blažić, M., General Statistics
Ćećez, M., Yugoslav Economics
Hadžiomerović. H., Political Economy
Hrelja, K., History of Economics
Karlović, I., Economics of Business Enterprises
Klobučar, J., Account-Keeping, Elements of Book-Keeping
Kreso, M., Political Economy
Ler, Bela, Commercial Plan-Making, Industrial Economy, Analysis and Plan-Making of National Economy
Mijatović, M., Traffic Economy
Milanović, R., Market Analysis
Nesić, D., Economic Theory
Perović, D., Theory of Expenses
Šteković, M., Elements of Mathematical Analysis
Tomljanović, D., Public Finances
Trklja, B., Business and Finance Mathematics
Vila, A., Special Accountancy, Analysis and Plan-Making of Transactions of Enterprises

Faculty of Medicine:
Besarović, Z., Surgery
Banić, B., Surgery
Bjedić, M., Ophthalmology
Bobarević, B., Chemistry
Bokonjić, N., Neuropsychiatry
Brkić, S., Physiology
Cvetković, T., Tooth Diseases
Ciglar, M., Balneology
Čurčić, B., Paediatrics
Doder, A., Surgery
Filipović, Z., Internal Medicine
Gaon, J., Epidemology
Gerc, J., Oto-Rhino-Laryngology
Grujić-Vasić, J., Chemistry
Hadžić, I., Paediatrics
Hadžiselimović, H., Anatomy
Huković, S., Pharmacology
Jamakosmanović, A., Physiology
Kafka, I., Surgery
Kaufer, L., Surgery
Knežević, Jelka, Gynaecology
Kretić, M., Surgery
Kosorić, D., Paediatrics
Kostić, A., Tooth Diseases
Mastilović, B., Ophthalmology
Milojković, A., Gynaecology
Nakaš, M., Physiology
Nikulin, A., Pathological Anatomy
Obradov, S., Internal Medicine
Pašić, H., Physics
Perić, B., Physiology
Perinović, M., Internal Medicine
Popović-Ejdus, Branislava, Stomatology
Prcić, M., Surgery
Pšorn, V., Surgery
Rezaković, Dž., Internal Medicine
Ridjanović, S., Neuropsychiatry
Rimski, B., Neuropsychiatry
Rustembegović, F., Internal Medicine
Sarajlić, E., Paediatrics
Salamon, T., Dermatovenerology
Šćepović, M., Histology
Serdarević, H., Phthisiology
Slankamenac, S., Tooth Diseases
Stanković, D., Pathology
Štern, P., Pharmacology
Švob, T., Biology
Teftedarija, M., Contagious Diseases
Tomić, S., Pathological Anatomy
Tvrtković, R., Surgery
Veljković, M., Gynaecology
Zarković, Grujica, Hygiene

Faculty of Veterinary Science:
Arnautović, I., Anatomy
Begović, S., Pathological Physiology
Bevandić, M., Anatomy
Bielen, J., Surgery
Džinić, M., Nutrition
Džinić, S., Pharmacology and Toxicology
Foršek, Z., Infectious Diseases
Frank, F., Biology

Fuks, R., General and Specialized Cattle Breeding
Gaviez, E., Pathological Anatomy
Hadžibeganović, A., Hygiene and Meat Technology
Hadžidedić, I., Hygiene and Technology of Nutrition
Ilančić, D., General and Special Cattle-Breeding with Technology of Production
Kralj, J., Physical Therapy and Roentgenology
Magazinović, V., Physiology
Maglajić, E., Internal Diseases of Domestic Animals with Propaedeutics
Matuka, S., Biology and Pathology of Bees and Fish
Milenković, **Milka**, Chemistry and Biochemistry
Nešić, **Li**., Histology
Nešić, P., Internal Diseases of Ruminants and Rabbits
Ožegović, L., Internal Diseases of Domestic Animals with Propaedeutics
Penavin, V., Posterior and Udder Diseases
Rukavina, J., Parasitology and Invasive Diseases
Smrček, Z., Internal Diseases of Domestic Animals with Propaedeutics
Talió, A., Governing Veterinary, Court Veterinary
Turančić, V., Internal Diseases of Domestic Animals
Varadin, M., Birth and Physiology and Pathology of Reproduction of Domestic Animals
Varenika, D., Zoohygiene and Diseases in Young Animals

Faculty of Philosophy:
Begić, M., History of Yugoslav Literature—XX Century
Benac, A., General History—Ancient
Bojkovski, A., General Psychology
Čimić, E., Theoretical Sociology
Damjanović, M., History of Philosophy
Djurdjev, B., History of People of Yugoslavia under the Turkish Occupation
Džakula, B., French Literature—XVIII Century
Ekmečić, M., General History—Modern Ages
Filipović, **Ne**., Turkish Language
Filipović, **Ni**., Didactics
Focht, I., Aesthetics
Kapidžić, H., National History—Modern Ages
Kapidžić, **Ha**., French Literature
Koljević, S., English Literature
Kovačević, D., Medieval History of Yugoslav Peoples
Kuna, H., Old Slavic Language
Leovac, S., Introduction for History of Literature
Mandić, P., General Pedagogics
Marković, S., Morphology and Phonetics of Modern Serbo-Croatian
Milanović, B., History of Yugoslav Literature
Muradbegović, M., Methods of Class Teaching
Pejčinović, P., Latin
Petrović, R., Modern National History
Rakić, B., General Pedagogics
Šamić, M., French Literature—Middle Ages
Šarčević, A., Ontology
Šunjić, M., Medieval General History
Tanović, A., Ethics
Tuzlić, A., Latin
Vasić, M., History of Yugoslavia under Turkish Occupation
Vuković, J., Syntax of Modern Serbo-Croatian, History of the Serbo-Croatian Language
Vuković, R., Modern Literature

Faculty of Sciences:
Atanacković, M., Historical Geology
Bajraktarević, M., Analysis I and II, Theory of Functions
Berberović, **Lj**., Organic Evolution
Čajkovski, D., Physics
Gašparović, R., Mathematical Geography
Jerković, L., Systematics of Talophytes
Kapetanović, G., Chemistry for Foresters and Engineers
Krleža, F., Analytic Chemistry
Lakušić, R., Ecology of Plants
Ljolje, K., Theory of Quantum, Theory of Relativity, Theory of Electromagnetic Field
Maravić, M., Mathematics
Marinković, M., General Zoology
Mučibabić, S., Ecology of Animals with Zoogeography
Pavlović, V., Physiology of Animals, Biochemistry
Raljević, Z., Higher Geometry, Mathematics for Chemists
Ramović, M., General Geology
Slavnić, Z., Evolution, Ecology of Plants, Systematics of Cormophytes
Škerlok, T., Physical Chemistry
Tripalo, A., Physics
Vajzović, F., Analysis
Vuković, T., Zoology of Vertebrates

Faculty of Agriculture:
Aganović, Z., Special Husbandry
Bajić, **Dafina**, Botany
Bajčetić, B., Organization of Agricultural Collective-Farms
Bašović, M., Plant Physiology
Batinica, D., Production of Animal Foods
Beljin, V., Hygiene of Domestic Animals
Božić, L., Economics of Agriculture and Co-operation
Dozet, N., Dairy
Finci, Z., Organization of Agricultural Collective Farms
Hrustanović, K., Organic and Inorganic Chemistry
Kapetanović, N., Special Fruit-growing
Maksimović, D., Nutrition of Domestic Animals
Mihal, L., Special Cattle Breeding
Milinković, V., Genetics, Cultivation of Plants
Milošević, A., Organization of Agricultural Collective Farms
Mulić, J., Agricultural Accountancy
Pajanović, R., Cattle Breeding
Parijez, R., Economics of Agriculture, and Co-operation
Petijević, O., General Husbandry
Pobrić, S., Nutrition of Domestic Animals
Radman, **Ljubica**, Agriculture Phytopathology
Radulović, V., Agricultural Microbiology
Resulović, H., Pedology
Sarić, O., Production of Animal Foods
Savić, B., Agrochemistry
Senk, O., Zoology
Vaclav, V., Agricultural Entomology Sealing
Vlahinić, M., Agricultural Improvement
Zarić, J., Manufacturing of Fruits and Vegetables

Faculty of Forestry:
Alikalfić, F., Forestry I
Begović, B., Exploitation of Forest
Cirić, M., Pedology
Drinić, P., Forest Organization
Djapić, D., Forestry Economics
Djikić, S., Forestry Culture
Fukarek, P., Dendrology
Georgijević, E., Protection of Forests
Jovančević, M., Forestry Grafting
Kopčić, I., Forestry Organization
Luteršek, D., Entomology
Matić, V., Forestry Regulation
Mihać, B., Forestry Communications
Pintarić, K., Forestry Culture
Stefanović, V., Typology of Forestry
Stojanović, O., Biometry of Forests
Usćuplić, M., Phytopathology
Veseličić, **Nj**., Exploitation of Forests
Vučijak, S., Organization of Forest Economics
Vukmirović, V., Dendrometry

Faculty of Building and Construction:
Aganović, I., Geodesy
Bosnić, P., Earth Works. Tunnels
Ferušić, S., Earth Works, Tunnels
Janaček, E., Roads
Jovanović, R., Geology and Engineering Geology
Krsmanović, D., Geo-Mechanics
Kurpjel, B., Hydrotechnics
Lalić, N., Building Construction and Technical Drawing
Mikulec, S., Hydro-technics
Milić, S., Material Strength
Miovčić, S., Wood Constructions
Muftić, H., Geodesy for Foresters
Nikolić, S., Steel Constructions
Simić, D., Massive Constructions
Stojadinović, D., Chemical Technology
Subotić, U., Traffic Economics and Theory of Transportation
Trumić, A., Communal Hydro-Technics
Veljković, B., Communications

Faculty of Architecture and Town Planning:
Bogunović, S., Technical Mechanics
Finci, J., Design I
Kadić, A., Concrete Constructions and Steel Constructions
Kadić, M., Public Buildings and Ruralism
Kapetanović, E., Architectural Contructions II
Korka, J., Design II
Lukić, A., Drawing Geometry and Perpectives
Najdhardt, J., Compositions and Interiors and Urban Compositions
Papo, I., Encyclopædia of Engineering
Radonić, M., Installations
Redžić, H., History of Architecture—Old Ages, and History of Architecture—II Middle Ages
Somborzki, M., Urbanism I
Taubman, I., Urbanism II and Space Plan-Making
Vukić, M., Free Drawing
Zarić, J., Constructions I

Faculty of Mechanical Engineering:
Boras Kazimir, Architectural Machines, Elements of Machine Construction I
Bendeja, B., Machine-Tools I and II
Bujukalić, H., Wood Protection
Elazar, S., Mathematics
Filipović, S., Drawing Geometry
Hadžiomerović, N., Elements of Turbomachines
Kadić, I., Design of Hydroenergetic Devices
Karahasanović, A., Science of Wood
Klokić, M., Heating and Climatization
Krstić, M., Pumps, Compressors and Valves
Lipold, N., Technical Chemistry
Lipold, R., Forming without Sawdust
Ljubinović, K., Elements of Constructions
Miličević, B., Elevators and Transporters

Mirković, D., Organization of Production
Mirković, Z., Thermodynamics I, II, Heating Installations
Musafia, B., Elaboration of Metals
Perić, V., Mathematics II
Potkonjak, M., Sawing Preparation of Wood
Ridjanović, M., Fluid Mechanics
Sedlar, N., Science of Material, Thermic Dealing
Skopal, B., Final Mechanic Elaborations of Wood
Stanišić, R., Standards and Currency of Wooden Products
Vojnović, B., Statistics
Zubac, J., Elements of Engines
Zubakin, Aza, Elements of Machine Constructions

Electro-Technical Faculty:
Draženović, B., Signal Theory
Humo, E., Regulation of Electro-energetical Systems
Jovanović, P., Electromagnetic Theory
Maljković, D., Power Establishment of Electric Traction
Mandžić, A., Counting Machines and Modelling
Matić, B., Elements of SAU
Miletić, V., High Tension Technics
Sandić, Z., Electrical Machinery
Zimonjić, S., Automatic Regulation Theory

Faculty of Mining (in Tuzla):
Gliha, L., Elements of Mining
Grujić, N., Methods of Opening of Mines
Ristić, P., Mineralogy
Robljek, V., Preparing of Mineral Raw Materials
Soklić, I., Geology
Strajher, M., Mining Machines
Vidović, M., Geology

Faculty of Metallurgy (in Zenica):
Bijelić, V., Elements of Social Sciences, Organization of Industrial Research, Study of Work
Gostiša, N., Introduction to Metallurgy, Metallurgic Processes, Iron and Steel Preparation Devices
Hrdlička, V., Electrotechnics I, Electrotechnics II
Mandić, P., Industrial Furnaces I, Industrial Furnaces II
Sarajlić, A., Moulding I, Moulding II
Zec, M., Mathematics

Faculty of Political Sciences:
Bakić, Lj., Political Economics
Kozomara, O., Sociology
Kožul, F., Administration Sciences
Marjanović, J., History of Marxism
Šarac, N., Political History of Peoples of Yugoslavia
Tomić, S., Political and Social System of Yugoslavia
Vidaković, Z., Sociology
Vražalić, E., International Relations

Faculty of Technology:
Bakočević, V., Analytical Chemistry
Fridman, L., Organic Technology
Ivić, S., Inorganic Technology
Jelačić, C., Inorganic Chemistry
Marković, T., Physical Chemistry
Ranogajec, I., Organic Chemistry
Rozgaj, S., Technological Operations
Stančić, B., General Chemistry

High School of Physical Culture:
Jankelić, J., Theory and Methods of Hand-ball and Skiing
Maksimović, B., Theory of Physical Culture
Podkubovšek, S., Theory and Methods of Camping

UNIVERZITET "KIRIL I METÓDIJ" VO SKOPJE

(University of Skopje)

BULEVAR "KRSTE MISIRKOV" B.B.,
91000 SKOPJE

Telephone: 37-712; 30-334; 30-915.

Founded 1949.

Rector: Prof. Dr. Branko Trpenovski.
Pro-Rectors: Prof. Dr. Borislav Karanfilski, Prof. Anatoli Damjanovski.
Secretary-General: Trajan Bendevski.

Number of teachers: 1,500.
Number of students: 40,000 (full- and part-time).

Publications: *Univerzitetski bilten, Pregled predavanja.*

DEANS:

Faculty of Law: Prof. Dr. Ivo Puhan.
Faculty of Economics: Prof. Dr. Krume Mihajlov.
Faculty of Philology: Prof. Dr. Božidar Nastev.
Faculty of Philosophy: Prof. Dr. Giorgi Stardelov.
Faculty of Architecture: Prof. Dr. Krum Tomovski.
Faculty of Civil Engineering: Prof. Dr. Dragi Miladinov.
Faculty of Agriculture: Prof. Dr. Risto Lozanovski.
Faculty of Forestry: Prof. Dr. Strahil Todorovski.
Faculty of Medicine: Prof. Dr. Savo Mironski.
Faculty of Electrotechnics: Prof. Ing. Todor Jakimov.
Faculty of Mechanical Engineering: Prof. Ing. Tlija Cherepnalkoski.
Faculty of Technology: Prof. Ing. Zdravko Kovachevski.
Faculty of Metallurgy: Prof. Ing. Giorgi Orovchanov.
Faculty of Biology: Prof. Dr. Ljupcho Grupche.
Faculty of Geography: Prof. Dr. Dushko Manakovich.
Faculty of Mathematics: Prof. Dr. Blagoj Popov.
Faculty of Physics: Prof. Dr. Ordan Pechijare.
Faculty of Chemistry: Prof. Dr. Dimche Toshev.

SVEUČILIŠTE U SPLITU

(University of Split)

58000 SPLIT, LIVANJSKA 5/1

Telephone: (058) 49-966.

Founded 1974.

State control; Language of instruction: Croatian; Academic year: September to August.

Rector: Prof. Dr. Dinko Foretić.
Pro-Rectors: Dr. Srdjan Vrcan, Ivica Pavičević (Student).
Secretary-General: Josip Begonja.

Libraries are in the course of formation.

Number of teachers: 385.
Number of students: 4,158 full-time.

DEANS:

Faculty of Law: Dr. Ivo Borković.
Faculty of Electrical, Mechanical and Marine Engineering: Petar Slapničar.
Faculty of Chemistry and Technology: Dr. Stjepan Lipanović.
Faculty of Philosophy (Zadar): Dr. Josip Pivac.
Faculty of Economics: Dr. Klement Derado.
Department of Civil Engineering (part of Zagreb Univ. Faculty of Civil Engineering): Jakša Miličić, B.Sc.
Faculty of Tourism and Foreign Trade (Dubrovnik): Dr. Antun Kobašić.

PROFESSORS:

Faculty of Law:
Borković, I., Administrative Law
Cvitanić, A., State and Legal History
Grabovac, I., Maritime and General Transport Law
Jelačić, Olga, Forensic Medicine
Uglešić, B., Forensic Psychopathology
Vrcan, S., Sociology

Faculty of Electrical, Mechanical and Marine Engineering:
Ćišić, M., Electric Machines and Devices
Petković, I., Mechanics, Ship Stability, Theory of Mechanisms

Faculty of Chemistry and Technology:
Pelech-Tucaković, Božena, Analytical Chemistry, Instrumental Analysis
Zglav, M., Technological Operations in Chemical Industries

Faculty of Philosophy (Zadar):
Antoljak, S., Medieval History
Brida, Marija, History of Philosophy
Brozović, D., Croato-Serbian Language
Festini, M., Italian Language
Foretić, D., 20th-Century History of the Yugoslav People
Gabričević, B., Classical Archaeology
Glavičić, B., Greek Language and Literature
Ivanišin, Nikola, Recent Croatian Literature
Lisičar, P., History of Antiquity
Milović, J., German Literature
Petricioli, I., Yugoslav Art History
Rabac-Cendrić, Glorija, Italian Literature
Švelec, F., Old Croatian Literature

Faculty of Economics:
Domančić, P., Finance
Gvozdanović, N., Finance
Petrić, I., Economic System of Yugoslavia

UNIVERZITET "VELJKO VLAHOVIC" U TITOGRADU

(University of Titograd)

81000 TITOGRAD

Founded 1973 from existing faculties in Titograd and Niksic.

Academic year: September to July.

Rector: Prof. Mirčeta Djurović.

Faculties of Law, Economics, Engineering, Education and Metallurgy. A faculty of Philosophy is planned.

Number of teachers: 170.
Number of students: 6,500.

UNIVERZITET U TUZLI
(University of Tuzla)

TUZLA

Founded 1976; in process of formation.

Rector: Prof. T. Marković.

Number of teachers: 250.
Number of students: 4,500.

Faculties of technology, mining and geology, education, commerce, electrical engineering, medicine.

SVEUČILIŠTE U ZAGREBU
(University of Zagreb)

TRG MARŠALA TITA 14,
P.O.B. 815, 41001 ZAGREB

Telephone: (041) 32451.

Founded 1669.

Academic year: September to August.
Language of instruction: Croatian literary language.

Rector: Dr. Drago Grdenić.

Pro-Rectors: Dr. Bošidar Jelčic, Dr. Arso Škorić.

Secretary-General: Davor Delić.

Number of teaching staff: 2,625.
Number of students: 28,738.

Publications: *Sveučilišni vjesnik* (University Herald), *Red predavanja* (Syllabus).

Deans of Faculties:

Philosophy: Dr. M. Suić.
Law: Dr. B. Jakaša.
Economic Sciences: Dr. M. Novak.
Natural Sciences and Mathematics: Dr. I. Crkvenčić.
Medicine: Dr. M. Sekso.
Stomatology: Dr. I. Miše.
Veterinary Medicine: Dr. V. Mitin.
Pharmacy and Biochemistry: Dr. A. Gertner.
Architecture: B. Rašica.
Civil Engineering: Dr. V. Simović.
Geodesy: V. Petković.
Mechanical and Marine Engineering: Dr. Ž. Sladoljev.
Electrical Engineering: Dr. A. Šantić.
Technology: Dr. K. Jakopčić.
Mining Engineering, Geology and Petroleum: Dr. I. Steiner.
Agriculture: Dr. I. Gotlin.
Forestry: Dr. I. Dekanić.
Political Sciences: Dr. P. Novosel.
Defectology: Dr. V. Kovačević.
Physical Education: Dr. M. Blašković.
Foreign Trade: Dr. M. Cerovac.
Organization and Informatics (Varaždin): Dr. F. Ruža.
University Interfaculty Studies: Dr. B. Eman, Dr. D. Sremac, Dr. S. Kljaić.

Professors:

Faculty of Philosophy:
Anić, A., Contemporary Croatian Literary Language
Babić, S., Contemporary Croatian Literary Language
Beker, B., Theory and Methodology of Literary Research
Boban, B., History of Yugoslav Peoples
Bogišić, R., Old Croatian Literature
Bošnjak, B., History of Philosophy
Brandt, M., General Medieval History
Bratanić, B., Ethnology
Bujas, Z., Fundamentals of Psychological Statistics, Physiological Bases of Psychological Phenomena
Bujas, Ž., English Language
Cernecca, D., Italian Language
Čale, F., Italian Literature
Čubelić, T., National Literature
Dimitrijević, S., Prehistoric Archaeology
Filipović, R., English Language
Flaker, A., Russian Literature
Frangeš, I., Modern Croatian Literature
Grlić, D., Aesthetics
Gross, M., Croatian History
Guberina, P., Phonetics
Hercigonja, E., Old Slavic Language
Horvat-Pintarić, V., Visual Communications and Design, Theory of Plastic Art
Jernej, J., Italian Language
Kangrga, M., Ethics and Aesthetics
Karaman, I., Economics of History
Kaštelan, J., Theory of Literature
Klaić, N., Croatian History
Kuvačić, I., Introduction to Methodology, Theoretical Elements of Sociology
Matvejević, P., French Literature
Menac, A., Russian Language
Miličević, N., Modern Croatian Literature
Moguš, M., History and Dialectology of Croatian Language
Mužić, V., Theoretical Education
Ogrizović, M., History of Education
Pejović, D., History of Philosophy
Petrović, G., Theoretical Philosophy
Petz, B., Industrial Psychology
Polanšćak, A., French Literature
Poljak, V., Didactics and Methodics
Prelog, M., History of Medieval Art, History and Theory of Town Planning
Rendić-Miočević, D., Archaeology
Rosandić, D., Methodology of Croatian Language
Sironić, M., Greek Language and Literature
Solar, M., World Literature
Spalatin, L., English Language
Suić, M., General Ancient History
Supek, R., Systematic Sociology and Complex Methods
Šicel, M., Modern Croatian Literature
Tekavčić, P., Italian Language
Vidan, I., English and American Literature
Vinja, V., Roman Linguistics
Vratović, V., Latin Language and Literature
Zorić, M., Italian Literature
Zvonarević, M., Social Psychology
Žmegač, V., German Literature

Faculty of Law:
Bačić, F., Criminal Law
Bayer, V., Criminal Procedure Law
Beuc, I., History of State and Civil Rights in Yugoslavia
Dragičević, A., Political Economics
Goldštajn, A., Commercial Law
Ibler, V., International Public Law
Ivančević, V., Administrative Law
Jakaša, B., Maritime and General Transport Law
Jelčić, B., Finance and Financial Law
Krizman, B., General History of State and Law
Lang, R., Political Economy
Perić, B., Principles of Theory of State and Law
Pulišelić, S., Sociology
Pusić, E., Theory of Management
Romac, A., Roman Law
Sirotković, H., History of State and Civil Rights of Yugoslavia
Štampar, S., Finance and Financial Law
Tintić, N., Labour and Social Security Law
Triva, S., Civil Procedure Rights
Vedriš, M., Civil Rights

Faculty of Economic Science:
Alfier, D., Economics of Tourism
Bazala, A., Market Analysis, Marketing
Bukljaš, I., Transport Law
Ćosić, B., Political Economy
Hanžeković, M., Currency, International Payments
Jelinović, Z., Maritime and Transport Economy
Jurin, S., Political Economy
Kral, V., Accountancy, Financial Control
Kubović, B., Regional Economy
Martić, Lj., Mathematical Methods in Economic Analysis
Medarić, J., Economic Geography, Ecology
Medveščeк, I., Marketing
Novak, M., Organization of Work in Socialism, Business Organization
Obraz, R., Forming of Products
Pertot, V., Economy of International Exchange
Poljak-Barišić, N., Technology of Production Processes
Rocco, F., Market Sales Research, Marketing
Štrbac, R., Business Accountancy
Vrančić, I., Political Economy
Wertheimer-Baletić, A., Demography, Political Economy

Faculty of Natural Sciences and Mathematics:
Alaga, G., Electrodynamics
Balenović, K., Organic Chemistry
Bilinski, S., Geometry
Bonefačić, A., Physics
Crkvenčić, I., Geography
Devidé, Z., Plant Physiology and Cell Biology
Djulić, B., Vertebrate Zoology
Domac, R., Botany
Friganović, M., Geography
Gamulin-Brida, H., Zoogeography, Marine Biology
Grdenić, D., Inorganic Chemistry
Herak, Marko, Analytical Chemistry
Herak, Milan, Geology
Ilakovac, K., Physics
Ilijanić, Lj., Geobotany and Plant Ecology
Janović, Z., Theoretical Mechanics
Kamenar, B., Inorganic Chemistry
Kaštelan, A., Animal Physiology
Kochansky-Devidé, V., Palaeobotany, Palaeobiology
Kranjc, K., Physics
Kurepa, S., Functional Analysis
Leontić, B., Physics
Makjanić, B., Dynamic Meteorology
Mardešić, S., Mathematical Analysis
Marušić, A., Elements of Marxism, Sociology of Knowledge
Matoničkin, I., Zoology
Meštrov, M., Biology, Animal Ecology
Miličić, D., General Botany
Mirnik, M., Physical Chemistry

Palman, D., Geometry
Papić, P., Mathematics
Pavletić, Z., Microbiology, Thallophyta
Polšak, A., Geology
Rodè, B., Animal Histology, Embryology
Rogić, V., Geography of Yugoslavia
Souček, B., Computers
Supek, I., Modern Physics and Philosophy
Šćavničar, S., Mineralogy
Štefanac, Z., Analytic Chemistry
Tadić, D., Quantum Physics
Tajder, M., Petrology

Faculty of Medicine:
Allegretti, N., Physiology
Bagović, P., Gynaecology and Obstetrics
Bakran, I., Surgery
Bašić, M., Radiology
Bezjak, B., Infectious Diseases
Blažević, D., Medical Psychology
Bohaček, N., Psychiatry
Božović, Lj., Physiology
Brudnjak, Z., Microbiology
Bunarević, A., General Pathology, Pathological Anatomy
Čečuk, L., Urology
Čerlek, S., Internal Medicine
Čičin-Šain, Š., Radiology
Deželić, D., Hygiene, Application of Electronic Counters
Dogan, S., Neurology
Drobnjak, P., Gynaecology and Obstetrics
Dürrigl, T., Physical Medicine and Rehabilitation
Erak, P., Paediatrics
Fališevac, J., Infectology
Femenić, B., Oto-Rhino-Laryngology
Fišter, V., Physiology
Galinović-Weisglass, M., Microbiology
Grčević, N., General Pathology, Pathological Anatomy
Grgurević, M., Gynaecology and Obstetrics
Gvozdanović, V., Radiology
Hajnšek, F., Neurology
Hauptman, E., Internal Medicine
Hirtzler, R., General Pathology, Pathological Anatomy
Ivančić, R., Internal Medicine
Ivanišević, B., Surgery
Kalafatić-Vlatković, Z., Paediatrics
Kallai, L., Internal Medicine
Karas-Gašparac, V., Chemistry
Keros, P., Human Anatomy
Kesić, B., Hygiene and Social Medicine
Knežević, S., Internal Medicine
Kožic, M., Surgery
Krajina, Z., Oto-Rhino-Laryngology
Krmpotić, J., Human Anatomy
Luetić, V., Surgery
Ljuština-Ivančić, N., Ophthalmology
Mandić, V., Physical Medicine and Rehabilitation
Mark, B., Radiology
Milić, N., Internal Medicine
Milković, K., Biology
Nikolić, V., Human Anatomy
Oberman, B., General Pathology, Pathological Anatomy
Orešković, M., Oto-Rhino-Laryngology
Padovan, I., Oto-Rhino-Laryngology
Palmović, V., Forensic Medicine
Pasini, M., Surgery
Pavišić, Z., Ophthalmology
Peršić, N., Psychiatry
Petrokov, V., Surgery
Petrovčić, F., Radiology
Posinovec, J., Histology and Embryology
Proštenik, M., Biochemistry
Prpić, I., Surgery
Radonić .M., Internal Medicine
Radošević, Z., Internal Medicine
Rajhvajn, B., Gynaecology and Obstetrics
Richter, B., Microbiology
Rudež, V., Human Anatomy
Ruszkovski, I., Orthopaedics
Seiwerth-Ferić, F., Ophthalmology
Sekso, M., Internal Medicine
Skalova, R., Hygiene
Supek, Z., Pharmacology
Šik, T., Paediatrics
Šimonović, I., Clinical Propaedeutics
Škrabalo, Z., Clinical Propaedeutics
Škreb, N., Biology
Špoljar, M., Clinical Oncology
Štajduhar-Carić, Z., Forensic Medicine
Štampar-Plasaj, B., Paediatrics
Valić, F., Hygiene, Social Medicine
Vlatković, G., Paediatrics
Winterhalter. D., Physics
Zimolo, A., General Pathology and Pathological Anatomy

Faculty of Stomatology:
Aurel-Koželj, J., Oral Pathology
Barić, Lj., Internal Medicine
Čupak, K., Ophthalmology
Dobrenić, M., Oral Pathology
Gabrić, D., Physiology, Biochemistry
Hudolin, V., Neurology
Katunarić, Roentgenology
Knežević, M., Pathology
Kosovel, Z., Fixed Prosthetics
Lapter, V., Orthodontics
Lipozenčić, M., Oto-Rhino-Laryngology
Miše, I., Oral Surgery
Nikšić, D., Mobile Prosthetics
Njemirovskij, Z., Dental Pathology
Oberhofer, B., General Surgery
Tomić, D., Pharmacology
Žmegač, Z., Dermato-Venerology

Faculty of Veterinary Medicine:
Asaj, A., Zoohygiene
Cvetnić, S., Microbiology and Immunology
Čermak, K., Surgery
Delak, M., Pharmacology and Toxicology
Ehrlich, I., Biology
Findrik, M., Nutrition of Domestic Animals
Forenbacher, S., Internal Diseases of Domestic Animals
Frank, A., Anatomy, Histology and Embryology
Hajsig, M., Microbiology, Immunology
Heřak, M., Obstetrics, Sterility and Artificial Insemination
Ivoš, J., Zoohygiene
Kalivoda, M., Nutrition of Domestic Animals
Kralj. M., Pathology of Poultry
Krvavica, S., Pathological Physiology
Mařan, B., Pathological Anatomy
Marolt, J., Surgery
Mikačić, D., Parasitology and Invading Diseases
Mitin, V., Physiology, Radiobiology
Petrović, D., Infectious Diseases, Ambulance Clinics
Rako, A., Animal Husbandry
Rižnar, S., Obstetrics, Sterility and Artificial Insemination
Srebočan, V., Pharmacology and Toxicology
Sviben, M., Applied Biology in Nutrition of Domestic Animals
Timet, D., Physiology
Topolnik, E., Microbiology, Immunology
Valpotić, I., Physiology
Winterhalter, M., Forensic and Administrative Veterinary Medicine
Zaharija, I., Infectious Diseases
Žuković, M., Parasitology and Invading Diseases

Faculty of Pharmacy and Biochemistry:
Ašperger, S., Physical Chemistry
Bezjak, A., General and Inorganic Chemistry
Borčić, S., Organic Chemistry
Gertner, A., Analytical Chemistry, Water and Atmosphere
Herak, J., Physics
Kolbah, D., Organic Chemistry
Malnar, M., Biochemistry, Organic Chemistry
Milković, S., Pharmacology
Petričić, J., Pharmacognosy
Štivić, I., Pharmaceutical Technology

Faculty of Architecture:
Boltar, D., Town Planning
Frankol, J., Architecture of Dwellings, Architectural Design
Gvozdanović, S., Historical Development of Architecture
Hanžek, M., Mathematics
Korać, V., Analysis of Materials, Basic Civil Engineering
Milić, B., Town Planning
Mohorovičić, A., History of Art, Theory of Architecture
Rašica, B., Architecture of Public Buildings, Architectural Design
Rosman, R., Theory of Construction, Constructive Project
Šegvić, N., Modern Architecture, Architecture of Yugoslav Nations
Viličić, M., Historical Development of Architecture

Faculty of Civil Engineering:
Britvec, S., Dynamics of Constructions
Ivančić, M., Steel Constructions
Kostrenčić, Z., Analysis of Materials and Constructions
Nikšić, R., Building Construction
Nonveiller, E., Geomechanics, Foundation Laying
Tonković, K., Large-Scale Bridges
Žugaj, N., Use of Water Power

Faculty of Geodesy:
Braum, F., Photogrammetry
Janković, M., Applied Geodesy
Klak, S., Geophysics, Gravimetry
Macarol, S., Lower Geodesy
Mišić, R., Theoretical Mechanics
Randić, L., Spherical Astronomy
Srebrenović, D., Hydraulics, Melioration, Hydrology and Hydrometry

Faculty of Mechanical and Naval Engineering:
Brlek, V., Cooling Technique, Thermodynamics, Thermal Processes and Equipment
Devidé, V., Mathematics
Esih, J., Physical Chemistry, Materials Protection
Jaeger, H., Organization of Production
Kreuh, L., Steam Boilers, Thermoenergetic Machinery
Kunstelj, D., Welding
Majcen, M., Thermoturbines
Oberšmit, E., Machine Elements, Mechanical Constructions
Serdar, J., Sprocket Wheels, Locomotives and Cranes
Taboršak, D., Work Study
Turk, I., Thermodynamics
Uršić, J., Theory of Ships, Strength of Ships
Vučetić, A., Mechanics, Theory of Vibration
Zdenković, R., Tool Machinery
Zgaga, R., Metals

Faculty of Electrical Engineering:
Babić, H., Theory of Linear Systems and Signalling, Design of Active and Passive Filters
Bego, V., Electrotechnical Measuring, Measuring Technique

DUBRAVČIĆ, D., Economics
HAZNADAR, Z., Electrical Engineering, Theoretical Electrical Engineering
JELAKOVIĆ, T., Electroacoustics, Space Acoustics, Industrial Acoustics
JURKOVIĆ, B., Electromotor Operations, Motor Operations, Electric Machines
KNAPP, V., Physics, Elements and Application of Over Conductibility
LOPAŠIĆ, V., Physics
MATKOVIĆ, V., Information Theories
MULJEVIĆ, V., Theory of Automatic Regulation, Automatic Regulation, Industrial Measuring
PADELIN, M., High Frequency Technique, Plant Security
PERUŠKO, U., Electronic Concatenation, Impulsive and Digital Electronics, Digital Computers
POŽAR, H., Electric Plants and Instruments, Elements of Electroenergetics, Distribution of Charge in Electroenergetic System
SIROTIĆ, Z., Electric Machines, Constructions of Electric Rotating Machines
SMRKIĆ, Z., High Frequency Technique, Radio Relay System, Radiocommunications
ŠANTIĆ, A., Electronic Instrumentation, Biomedical Electronics
TURK, S., Computers
VUKOVIĆ, Z., Multiplex Systems, Efficacy of Information Systems, Digital Transmitting Systems, Transmission of Data, Economy of Electrical Systems
WOLF, R., Electric Machines, Electric Machines Laboratory, Electric Motors
ŽUPAN, J., Logical Algebra, Commutation Systems

Faculty of Technology:
BAN, S., Technology of Fermentation, Technological Design
BRAVAR, M., Marcomolecular Processes, Technological Processes, Technology of Chemical Industries
FILAJDIĆ, M., Food Analysis
FILIPOVIĆ, I., Inorganic Chemistry
JOHANIDES, V., Industrial Microbiology
JOVANOVIĆ-KOLAR, J., Chemistry of Paints, Technological and Chemical Industry Processing
JURILJ, A., Biology with Technical Microscopy
KOLIN, I., Thermodynamics
KUNST, B., Physical Macromolecular Chemistry
LAĆAN, M., Organic Chemistry
LOGOMERAC, V., Iron and Steel Metallurgy
LOVREČEK, B., Electrochemistry, Electrical Engineering
LOVREČEK, I., Chemical Engineering
MIHELIĆ, F., Food Analysis
MILDNER, P., Biochemistry, Molecular Biology
MILOSTIĆ, I., Food Technology
MITROVIĆ, D., Higher Mathematics
PETRIČIĆ, A., Milk Technology
PILJAC, I., General and Inorganic Chemistry, Instrumental Analysis
ŽERDIK, M., Textile Materials and Stiffening
ŽILIĆ, S., Analytic Chemistry

Faculty of Mining Engineering, Geology and Petroleum:
ARAR, I., Transport and Export
CRNKOVIĆ, B., Petrography
JURKOVIĆ, I., Science of Mine Location, Mining Microscopy
KRANJEC, V., Geological Map-making, Structural Geology
MAGDALENIĆ, A., Hydrogeology, Engineering Geology
MAJER, V., Petrology, Sedimentology
MARUŠIĆ, R., Mineral Grading and Metallurgy
PROTIĆ, R., Economy of Naphtha Enterprises
ŠARC-LAHODNY, O., Physical Chemistry
VRAGOVIĆ, M., Mineralogy and Petrology, Geochemistry
ZAGORAC, Ž., Geophysical Exploration

Faculty of Agriculture:
ANIĆ, J., Plant Nutrition, Basic Agriculture
BARIĆ, S., Statistical Methods, Research Technique in Cattle Breeding
BRČIĆ, J., Agricultural Machinery, Storage
CAR, M., Cattle-Raising and Horse-Breeding
ČIŽEK, J., Fodder Production
DOKMANOVIĆ, D., Organization and Management of Agricultural Enterprises
GAŽI, V., Agricultural Botany
GLIHA, R., Special Fruit Cultivation
GOTLIN, J., Industrial Plants, Agricultural Cultures, Bases of Special Agriculture
HORGAS, D., Chemistry, Biochemistry
JANČIĆ, S., Pig and Sheep Breeding
KIŠPATIĆ, J., Phytopathology
KOMUNJER, D., Agricultural Machinery
KOVAČEVIĆ, J., Agricultural Phytocenology
KUMP, M., Genetics, Research Technique
LICUL, R., Vine-Growing
MACELJSKI, M., Entomology, Plant Protection
MIHALIĆ, V., General Plant Production
MILATOVIĆ, I., Phytopathology, Plant Protection
MILETIĆ, S., Dairy Manufacturing
PAVLEK, P., Vegetable Cultivation
PLAVŠIĆ, N., Agricultural Botany
PRŠA, M., Microbiology
RACZ, Z., Pedology
SABADOŠ, D., Technology of Milk and Milk Products
SCHMIDT, L., Zoology for Cattle Breeders, Beekeeping
STILINOVIĆ, Z., Physiology, Embryology and Anatomy of Domestic Animals
ŠARIĆ, A., Bases of Biology
ŠIKIĆ, D., Agricultural Architecture
ŠKORIĆ, A., Pedology, Bases of Agriculture
ŠTANCL, B., Agricultural Economics
VINCEK, Z., Organization and Management of Agricultural Enterprises
ZLATIĆ, H., Nutrition of Domestic Animals, Cattle-Breeding and Nutrition

Faculty of Forestry:
ANDRAŠIĆ, D., Hunting Economy
ANDROIĆ, M., Forest Entomology
BENIĆ, R., Forest Exploitation and Rationalization of Work in Timber Industry
BOJANIĆ, S., Forest Exploitation
BREŽNJAK, M., Saw-milling
DEKANIĆ, I., Forest Cultivation Technique
HAMM, D., Electrotechnics, Wood Machinery
HORVAT, I., Wood Technology
KLEPAC, D., Forest Management
KRALJIĆ, B., Organization of Work in Forestry
LOVRIĆ, N., Industrial Timber Building, Forest Transport Machines
OPAČIĆ, I., Chemical Wood Processing
SPAIĆ, I., Wood Protection
TOMAŠEGOVIĆ, Z., Forest Photogrammetry, Descriptive Geometry
VIDAKOVIĆ, M., Forest Genetics, Dendrology

Faculty of Political Sciences:
BILANDŽIĆ, D., Political System of Yugoslavia
KLAUZER, J., Statistics
NOVOSEL, P., Theory of Information and Communication
PAŽANIN, A., Philosophy of Politics, Law and History
RODIN, D., History of Marxism
SUTLIĆ, V., Political Anthropology
ŠEPIĆ, D., Contemporary Political History
VUKADINOVIĆ, R., International Political Relations
ŽUPANOV, J., Sociology of Work Organization

Faculty of Physical Education:
HORVAT, V., Kinesiological Physiology
LANC, M., Biomechanics
MEDVED, R., Sport Medicine
MRAKOVIĆ, M., Systematic Kinesiology
RADAN, Ž., Sport History
RAKIJAŠ, B., Complex Movements
RELAC, M., Recreation

Faculty of Defectology:
KOVAČEVIĆ, V., Special Psychology, Professional Rehabilitation
STANČIĆ, V., Special Psychology
TONKOVIĆ, F., Education of Blind People, Peripathology
ZOVKO, G., Special Education, Education of the Partially-Sighted

Faculty of Foreign Trade:
CEROVAC, M., Political Economy
HORVAT, B., Economic Analysis
KURTEK, P., International and Regional Markets of Goods and Services
ROSENBERG, L., Law of International Business Transactions
TIRONI, J., Political Economy

ATTACHED INSTITUTES:

Institute of Physics: Zagreb, Bijenička 46; Dir. Dr. B. LEONTIĆ.

Institute of Traffic Science: Zagreb, Gruška 22; Dir. S. LAMER.

Institute of Medical Research and Labour Medicine: Zagreb, Moše Pijade 153; Dir. Dr. M. ŠARIĆ.

Institute of Social Research: Zagreb, Tomislavov trg 21; Dir. A. PETAK.

Centre for Historical Sciences: Zagreb, Djure Salaja 3; Dir. Dr. M. SUIĆ.

Documentation Centre: Zagreb, Trg maršala Tita 3; Dir. Dr. B. TEŽAK.

Interuniversity Postgraduate Centre: Dubrovnik; Dir. Dr. S. KORNINGER.

University Centre for Pedagogical Education and Research: Zagreb, Đure Salaja 3; Dir. Dr. A. VUKASOVIĆ.

FACULTY OF THEOLOGY IN LJUBLJANA

POLJANSKA 4,
61000 LJUBLJANA

Founded 1919 (1952). (Formerly attached to Ljubljana University.)

Dean: Prof. Dr. Š. STEINER.

Pro-Deans: Dr. M. Benedik, Dr. F. Plemenitaš.

The library contains 28,000 vols.
Number of professors: 38.

Publication: *Bogoslovni Vestnik*† (quarterly).

SCHOOLS AND COLLEGES

Academy of Fine Arts: Zagreb, Ilica 85; f. 1907; 33 professors, 118 students; painting, sculpture, graphic art and pedagogy; Dean Prof. Omer Muvadžić.

Academy of Applied Arts: Zagreb; departments of graphic art, ceramics, painting, architecture, sculpture, metals, textiles, printing; 45 professors, 360 students; Dir. Prof. Belizar Bahorić.

Academy of Theatre, Film and Television: Zagreb, Trg M. Tita 5; depts. of acting, directing, editing and camera; library of 6,400 vols.; Rector Prof. Vladan Švacov.

Academy of Theatre, Radio, Film and Television: Ljubljana; f. 1945; 29 professors, 61 students; library of 14,905 vols.; Dean Prof. Dr. Primož Kozak; publs. *List Akademije, Informations et Recherches.*

Akademija za Likovno Umetnost (*Academy of Fine Arts*): Ljubljana, Erjavčeva ul. 23; f. 1945; 20 professors, 98 students; Rector Prof. Zdenko Kalin.

Faculty of Dramatic Arts: Belgrade, Ho Ši Minova 20; f. 1949; 73 professors and assistants, 395 students; seven main branches; theatre and radio production, film and television production, acting, camera-work, organization and editing, script-writing; four-year course leading to B.A. and two-year graduate course leading to M.A.; library of 13,000 vols.; Dean Prof. Vladan Slijepčević.

Higher School of Economics: Belgrade; f. 1956; two-year course leading to a Diploma in Economics, Finance and Commerce; 64 professors, 1,630 students; library of 10,066 vols.; Dir. Prof. N. Potkonjak.

Institute of Musicology of the Serbian Academy of Sciences and Arts: Belgrade, Knez Mihailova 35; f. 1948; music theory and aesthetics, history of Yugoslav music, ethnomusicology of the Balkans; 9 mems.; library of 5,000 vols., recorded Yugoslav folk music and Serbian Orthodox Church music; Dir. Dragutin Gostuški.

Inter-University Centre of Postgraduate Studies: Frana Bulića 4, 50000 Dubrovnik; f. 1972; an independent institution for international co-operation in teaching and research; library of *c.* 5,000 vols.; *c.* 150 staff, 250 students a year; Dir.-Gen. Prof. Siegfried Korninger; publ. *Newsletter.*

Musical Academy: Belgrade, Maršala Tito 50; f. 1937; 100 professors, 539 students; library of 53,000 scores; Dean Vladimir Marković.

Akademija za glasbo (*Musical Academy*): Ljubljana, Gosposka 8; f. 1939; 31 professors, 226 students; classes for composition, conducting, voice, piano, string, wind and brass instruments, history of music and department for training music teachers; library of 9,819 vols.; Dean Prof. Mihael Gunzek; publs. *Anthology*, various articles.

Muzička Akademija (*Musical Academy*): Sarajevo; depts. of composing, conducting, singing, piano, string and wind instruments, history and folklore, theoretical teaching; Dean Matusja Blum.

Musical Academy: 41001 Zagreb, Gundulićeva 6, P.O.B. 528; f. 1827; library of 55,654 vols.; 51 professors, 320 students; Dean Prof. Stanko Horvat; publs. *Arti Musices* (Yearbook, in Croatian with English summaries), *The International Review of the Aesthetics and Sociology of Music* (in English, French, German and Italian with summaries in English and Croatian, 2 a year).

ZAIRE

Population 25,629,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: B.P. 2-289, Kinshasa.

Association Zaïroise des Archivistes, Bibliothécaires et Documentalistes: B.P. 805, Kinshasa XI; f. 1973; to assist the Government in the planning and organization of archives, libraries and documentation centres; professional training and seminars.

British Council: c/o British Embassy, Kinshasa; Rep. J. W. Edmundson.

Bureau de Recherches Géologiques et Minières (B.R.G.M.): B.P. 1974, Kinshasa I; copper mining; Dir. G. Vincent. (*See* main entry under France.)

Centre d'Exécution de Programmes Sociaux et Economiques (C.E.P.S.E.): 208 ave. Kasa-Vubu, B.P. 1873, Lubumbashi; f. 1946; aims at social development and the improvement of rural life (Shaba district), and undertakes to educate unemployed young people in farm schools and craft classes; 30 mems.; library of 9,000 vols.; Pres. Kafitwe wa Paboa; Dir. M. Dullier; Sec.-Gen. Nawej Yav; publ. *Problèmes Sociaux Zaïrois* (quarterly).

Goethe-Institut: B.P. 7465, Kinshasa; f. 1962; Dir. Helmut Schmidt.

Institut Géographique du Zaïre: 106 blvd. du 30 Juin, B.P. 3086, Kinshasa-Gombe; f. 1949; geodetic, topographical, photogrammetric and cartographic studies; small library; Dir.-Gen. Pungu Beya Muli; Technical Advisor Lumingu-Ndona.

Institut de Médecine Tropicale: B.P. 1697, Kinshasa; f. 1899; clinical laboratory serving Hôpital Mama Yemo with reference laboratory functions for other medical services in Kinshasa; Dir. Dr. Darly Jeanty, M.D.

Institut National pour l'Etude et la Recherche Agronomique (INERA): B.P. 1513, Kisangani; f. 1933 to promote the scientific development of agriculture; 6,010 staff; library of 41,000 vols.; Dir.-Gen. Ngondo-Mojungwo; publs. *Rapport Annuel*†, *Programme d'Activités*† (annual).

Institut de Recherche Scientifique (I.R.S.): B.P. 3474 Kinshasa/Gombe; f. 1975 by fusion of I.R.S.A.C., O.N.R.D. and C.R.I.A.C.; economics, law, administration, medicine, geology, biology, entomology, geophysics, education, psychology, history, energy and technology, food sciences; 96 research mems.; library of 11,786 vols. and 2,243 periodicals; Dir.-Gen. K. F. Mudindambi (acting); publ. *Revue de Recherche Scientifique*.

Institut de la Conservation de la Nature: B.P. 4019, Kinshasa II; name changed 1969 from *Institut des Parcs Nationaux*; protection of national parks and conservation of the environment; Dir. Dr.Sc. J. Verschuren.

Service Géologique: B.P. 898, 44 avenue des Huileries, Kinshasa I; f. 1939; staff of 250 undertake mineral exploration and geological mapping; library of 7,000 vols.; Dir. Gabriel Dembe; publ. *Bulletin et Mémoire*.

Société des Historiens Zairois: Campus Universitaire, Lubumbashi; f. 1974; to bring about a better understanding of the nation's past; to organize meetings, etc. for historians; to preserve the national archives, works of art, and archaeological remains; Pres. Prof. Ndaywel e Nziem; Sec.-Gen. Lumenga Neso.

U.S. Information Center: coin des Avenues Commerce et Kasavubu, Kinshasa; br. at Lubumbashi.

LIBRARIES AND ARCHIVES

Archives de Zaïre: B.P. 3428, 42 ave. de la Justice, Kinshasa; f. 1949.

Bibliothèque Centrale de l'Université Nationale, Campus de Kinshasa: B.P. 125, Kinshasa XI; f. 1954; 350,000 vols.; Chief Librarian M. Tubomeshi; publs. *Annales de la Faculté de Droit*†, *Annales de la Faculté de Médecine et de Pharmacie*†, *Annales de la Faculté des Sciences—Section Physique-Mathématique, Cahiers Economiques et Sociaux*† (quarterly), *Lettre mensuelle de l'I.R.E.S.*, *Nouvelles du Mont Amba*† (irregularly).

Bibliothèque Centrale de l'Université Nationale, Campus de Kisangani: B.P. 2022, Kisangani; 26,000 vols.; Chief Librarian Lelo Mamosi; publ. *Revue Zaïroise de Psychologie et de Pédagogie*†.

Bibliothèque Centrale de l'Université Nationale, Campus de Lubumbashi: P.O.B. 2896, Lubumbashi; f. 1955 92,235 vols.; Librarian H. Kapipaseka; publs. *Revue de l'Université Nationale du Zaïre, Séries A, Lettres, Cahiers Philosophiques Africains* (every 2 months), *Likundoli* (irregular).

Bibliothèque Publique: B.P. 410, Kinshasa; f. 1932; 24,000 vols.; Librarian B. Mongu.

MUSEUMS

Institut des Musées Nationaux: B.P. 4249, Kinshasa 2; f. 1970; traditional music and art, archaeology, archives, and contemporary art; Dél.-Gen. J. Cornet; publ. *Rapport Annuel*.

Musée National de Kananga: B.P. 612.

Musée National de Lubumbashi: B.P. 2375.

Musée National de Mbandaka: B.P. 344.

UNIVERSITY

UNIVERSITÉ NATIONALE DU ZAIRE

B.P. 13.399, KINSHASA I

Telephone: 31-147.

State control; Academic year: October to July (2 terms).

Rector: Mgr. TSHIBANGU TSHISHIKU.

General Administrator: MPEYE NYANGO.

Director of International Relations: A. NGOBAASU.

Number of teachers: 2,412.
Number of students: 26,513.

The University consists of 14 faculties on 3 campuses, one faculty institute, 14 higher technical institutes, 14 higher education institutes, 3 pre-university centres and one interdisciplinary centre for the development of permanent education.

Campus de Kinshasa

B.P. 127, Kinshasa XI

Telephone: 77-920.

Founded 1954.

Founded as the Université Lovanium by the Université Catholique de Louvain in collaboration with the Government; reorganized 1971.

Language of instruction: French; Academic year: October to July.

Vice-Rector: VUNDUAWE-TE PEMAKO.

Secretaries-General: MANDA KIZABI, TSHISWAKA K. WA MBOMBO.

Librarian: M. TUBOMESHI.

Library: *see* Libraries.

Number of teachers: 536.
Number of students: 5,858.

Publications: *Cahiers Economiques et Sociaux* (quarterly), *Cahiers des Religions Africaines* (weekly).

Faculties of law, medicine, pharmacy, sciences, economics, engineering.

ATTACHED RESEARCH INSTITUTES:

Institut de recherches économiques et sociales (I.R.E.S.): B.P. 257, Kinshasa XI; Dir. B. LUEMBA.

Centre de Coordination des Recherches et de la Documentation en Sciences Sociales en Afrique Sud-Saharienne (C.E.R.D.A.S.).

Centre de Criminologie.

Centre Interdisciplinaire d'Etudes et de Documentation Politiques (C.I.E.D.O.P.).

Centre Universitaire d'Orientation (C.U.O.).

Campus de Kisangani

B.P. 2012, Kisangani

Telephone: 2837.

Founded 1963; reorganized 1971 (formerly Université Libre du Congo).

State control; Language of instruction: French; Academic year: October to July (three terms).

Vice-Rector: DIAWAKU DIA NSEYILA.

Administrative Secretary: RUBUZ DIFAND.

Librarian: LELO MAMOSI.

Library: *see* Libraries.

Number of teachers: 149.
Number of students: 1,342.

Publications: *Revue Zaïroise de Psychologie et de Pédagogie* (2 a year), *Annales de la Faculté d'Agronomie (Yangambi).*

DEANS:

Faculty of Education: LUMEKA YANSENGA.

Faculty of Science: WAWA MOLAMBA.

Faculty of Medicine: ALAMITA GHEORGE.

ATTACHED RESEARCH INSTITUTES:

Bureau Africain des Sciences de l'Education (B.A.S.E.).

Centre Interdisciplinaire pour le Développement de l'Education (C.R.I.D.E.): Dir. ABEMBA BULAIMU.

Campus de Lubumbashi

B.P. 1.825, Lubumbashi (Shaba)

Telephone: 5403-7.

Founded 1955; reorganized 1971.

Language of instruction: French; State control; Academic year: October to July (October–February, March-July).

Vice-Rector: ITELA-I-EPA.

Secretary-General (Academic): AGBIANO GAMBE.

Secretary-General (Administrative): KATANGA TSHITENGE.

Number of teachers: 403.
Number of students: 5,114.

Publications: various scientific reviews.

DEANS:

Faculty of Letters: LEON DE SAINT MOULIN.

Faculty of Social Sciences: MALELA MWABILA.

Faculty of Sciences: J. P. CARRON.

Polytechnic Faculty: NYANGO MPEYE.

Faculty of Veterinary Medicine: KUREK CZESLAW.

AFFILIATED RESEARCH INSTITUTES:

Centre d'Etudes Politiques en Afrique Centrale (C.E.P.A.C.).

Centre de Linguistique Théorique et Appliquée (C.E.L.T.A.).

Centre d'Etudes de Littérature Africaine (C.E.L.A.).

Centre d'Etudes et de Recherches Documentaires pour l'Afrique Centrale (C.E.R.D.A.C.).

CONSTITUENT UNIVERSITY INSTITUTES:

Institut facultaire des sciences agronomiques (I.F.A.): B.P.28, Yangambi (Haut-Zaïre); first degrees and doctorates in agriculture; 52 staff, 638 students; Dir.-Gen. CLAES LINDEN.

Institut supérieur de techniques appliquées (I.S.T.A.): B.P. 7.999, Kinshasa I; 87 staff, 833 students; Dir.-Gen. BUKA EKANGOY.

Institut des bâtiments et travaux publics (I.B.T.P.): B.P. 4.731, Kinshasa II; 83 staff, 916 students; Dir.-Gen. JEAN-MARIE GUEBEN.

Institut supérieur des techniques médicales (I.S.T.M.): B.P. 774, Kinshasa XI; 80 staff, 1,005 students; Dir.-Gen. MBENDI NSUKIMI.

Institut supérieur de commerce (I.S.C.)—Kinshasa: B.P. 16.596, Kinshasa I; 37 staff, 600 students; Dir.-Gen. LUVIYA MBUNGU.

Institut supérieur de commerce (I.S.C.)—Kisangani: B.P. 2.012, Kisangani (Haut-Zaïre); Dir. RUTAZIBWA IYEZE.

Institut des sciences et techniques de l'information (I.S.T.I.): B.P. 14.998, Kinshasa I; first degrees and doctorates; 15 staff, 103 students; Dir.-Gen. MALEMBE TAMANDIAK.

Institut supérieur d'études agronomiques (I.S.E.A.) de Bengamisa: B.P. 202, Kisangani (Haut-Zaïre); 31 staff, 328 students; Dir.-Gen. NABINDI DENA.

Institut supérieur d'études agronomiques (I.S.E.A.) de Mondongo: B.P. 60, Lisala (Equateur); 6 staff, 60 students; Dir. GASTON LOOTENS.

Institut supérieur d'arts et métiers (I.S.A.M.): B.P. 15.198, Kinshasa I; 16 staff, 101 students; Dir. OMONGA OKOKA.

Institut supérieur d'études sociales (I.S.E.S.) de Bukavu: B.P. 2.849, Bukavu (Kivu); 19 staff, 182 students; Dir. MIMPIYA AKAN ONUN A NGWOM.

Institut supérieur d'études sociales (I.S.E.S.) de Lubumbashi: B.P. 1.575, Lubumbashi (Shaba); 8 staff, 124 students; Dir. ENGBAKA M'OLEKA.

Institut supérieur de statistique (I.S.S.): B.P. 2.471, Lubumbashi (Shaba); 6 staff, 240 students; Dir.-Gen. MARTIN DE HOUSSE.

Institut national des arts (I.N.A.): B.P. 8.332, Kinshasa I; 41 staff, 201 students; Dir. MBUYAMBA LUPWISHI.

Académie des beaux-arts (A.B.A.): B.P. 8.249, Kinshasa I; 44 staff, 248 students; Dir. BEMBIKA NKUNKU.

Centre interdisciplinaire pour le développement et l'éducation permanente (C.I.D.E.P.): B.P. 2.307, Kinshasa I; 4-year degree courses studied at evening classes; branches at Kisangani and Lubumbashi; politics and administration, commerce, social sciences, applied education, applied technology; 1,785 students.

ZAMBIA

Population 5,138,000

LEARNED SOCIETIES

British Council: P.O.B. 3571, Heroes Place, Cairo Rd., Lusaka; Rep. Dr. R. E. Wright; libraries: *see* Libraries.

Commission for the Preservation of Natural and Historical Monuments and Relics: P.O.B. 124, Livingstone; f. 1948; administers antiquities legislation, records and investigates archaeological sites, controls national monuments; Sec./Inspector John H. Robertson; publs. *Annual Report, Research Publications, Newsletter.*

The Engineering Institution of Zambia: P.O.B. 3730, Lusaka; f. 1955; 700 mems.; Pres. J. F. C. Fisher; Vice-Pres. F. J. Rundle; publs. *Journal* (quarterly), *Yearbook.*

Institution of Mining and Metallurgy: P.O.B. 450, Kitwe; f. 1950; local section of Institution of Mining and Metallurgy, London; 310 mems.; Chair. J. Hoatson; Hon. Sec. W. G. Watts.

The Wildlife Conservation Society of Zambia: P.O.B. 255, Lusaka; f. 1953; 3,000 mems.; Pres. P. T. S. Miller, O.B.E.; Exec. Dir. I. C. Tanner; publ. *Black Lechwe* (quarterly).

Zambia Library Association: P.O.B. 2839, Lusaka; Chair. L. Z. Cheelo; Hon. Sec. F. Y. Tembo; publ. *Zambia Library Association Journal* (quarterly).

Zambia Medical Association: P.O.B. RW 148, Lusaka; Chair. Dr. S. Sikaneta, M.D.; Sec. Dr. D. Levitt, F.C.P.(S.A.); publ. *Medical Journal of Zambia* (every 2 months).

RESEARCH INSTITUTES

Central Fisheries Research Institute: P.O.B. 100, Chilanga; f. 1965; hydrobiological research directed towards increasing fish production; library of 4,000 vols.; Project Man. L. S. Joeris; publs. *Puku, Fisheries Research Bulletin, Fisheries Statistics, Annual Report.*

Central Veterinary Research Station: P.O.B. 50, Mazabuka; f. 1926; directed by the Ministry of Lands and Agriculture; general veterinary diagnosis and research; Asst. Dir., Veterinary Research Dr. M. A. Q. Awan, PH.D.

Division of Forest Products Research: P.O.B. 388, Kitwe; f. 1963; controls research into timber properties and utilization; responsible for product development and dissemination of information; 60 staff; Chief Officer I. E. O. Musokotwane; publs. *Bulletin, Records* (irregular).

Division of Forest Research: P.O.B. 2099, Kitwe; f. 1956; ecological and botanical studies; soil and site assessment investigations; silvicultural research, exotic plantations and indigenous forests and woodlands; mensurational studies of plantation growth; tree breeding and selection; forest pathology and entomology; seed collection, processing, testing and low-temperature storage; staff of 24; library of 1,641 vols., 114 periodicals and 83 serials; Chief Forest Research Officer C. Meki; publs. *Research Notes, Research Pamphlets, Research Bulletins,*

Geological Survey of Zambia (Ministry of Mines): P.O.B. RW 135, Ridgeway, Lusaka; f. 1951; statutory depository for mining and prospecting reports; library of *c.* 33,000 vols.; Dir. J. G. Thieme; qualified staff of 40; publs. *Annual Report*†, *Records*†, *Bulletins*†, *Memoirs*†, *Reports*†, *Occasional Papers*†, *Economic Reports*†, *Annotated Bibliography and Index of the Geology of Zambia*†, and maps.

Institute for African Studies, University of Zambia (*formerly* Rhodes-Livingstone Institute): P.O.B. 900, Lusaka; f. 1937; the Institute is a recent merger of the Institute for Social Research and the Centre for African Studies and remains the research arm of the School of Humanities and Social Sciences; Dir. Mubanga E. Kashoki; publs. *African Social Research*†, *Journal*† (six-monthly), *Zambian Papers* and *Communications*† (annually), *Monographs*† (irregular).

International Red Locust Control Organisation for Central and Southern Africa: P.O.B. 37, Mbala; f. 1970; to prevent plagues of Red Locust by controlling incipient outbreaks and to carry out research; member countries: Botswana, Kenya, Lesotho, Malawi, Swaziland, Tanzania, Uganda, Zambia; Dir. M. E. A. Materu, PH.D.; publs. *Annual Report, Scientific Papers.*

Mount Makulu Agricultural Research Station: P.O.B. 7, Chilanga; f. 1952; Headquarters of Research Branch of Department of Agriculture, Ministry of Lands and Agriculture, and 11 regional and specialist research stations; research on soils, soil classification, vegetation types and land classification; agronomy; chemistry; ecology; entomology; pasture research; phytosanitary services; plant breeding; plant pathology; seeds services; stored products entomology; cotton entomology; main crops under investigation: maize, groundnuts, cotton, tobacco, pastures and pasture legumes, beans, etc.; library of 5,000 vols., 10,000 reports, 10,000 reprints; Deputy Dir. of Agriculture (Research) N. E. Mumba; publ. *Annual Report*†.

National Council for Scientific Research: P.O.B. CH. 158, Chelston, Lusaka; f. 1967; statutory body to advise the government on scientific research policy, to promote and co-ordinate research and to collect and disseminate scientific information; Chair. Hon. P. W. Matoka, M.P., Minister of Development Planning; Sec.-Gen. Dr. D. S. Nkunika.

National Food and Nutrition Commission: P.O.B. 2669, Lusaka; f. 1967; statutory body to improve the nutritional status of the people of Zambia; 98 mems.; Chair. Hon. J. Mumpanshya, M.P.; Exec. Sec. A. P. Vamoer.

Pneumoconiosis Medical and Research Bureau: Independence Ave., P.O.B. 205, Kitwe; f. 1950; research on pneumoconiosis and related chest diseases; library of *c.* 300 vols.; Dir. (vacant).

LIBRARIES AND MUSEUMS

Zambia Library Service: P.O.B. 802, Lusaka; f. 1962; maintains 904 library centres, 6 regional libraries, 3 branch libraries and a central library with 400,000 vols.; aims to provide a countrywide free public library service; Librarian M. Walubita; publs. *Bulletin* (quarterly), *Directory of Library Centres* (annually), *Buyers' Guide to Library Equipment* (2 a year).

British Council Libraries: P.O.B. 3571, Lusaka; f. 1973; 9,857 vols., 114 periodicals; Librarian Mrs. M. Hamilton, A.L.A.A.; P.O.B. 415, Ndola; f. 1951; 12,206 vols., 79 periodicals; Librarian Mrs. C. A. Taylor, B.Sc., A.L.A.

Hammarskjöld Memorial Library: P.O.B. 1493, Kitwe; f. 1963; 20,000 vols.; collection of films, filmstrips, tape-recordings on local history; rare book collection on the history of central Africa; specializes in social sciences; resource library and archives of the Mindolo Ecumenical Foundation; Librarian Nyambe Namushi.

Kitwe Public Library: P.O.B. 70, Kitwe.

Lusaka City Library: P.O.B. 1304, Katondo Rd., Lusaka; f. 1943; 3 br. libraries and a mobile library; 132,000 vols., 300 periodicals, 300 maps; City Librarian P. C. Kulleen, M.Lib.Sc.; publs. *Library Bulletin*† (quarterly), *Annual Report.*

Ndola Public Library: P.O.B. 388, Independence Way, Ndola; central library and 5 brs., school library service; 67,000 vols., 401 periodicals; 1,200 special collection; Librarian K. Mumba Chisaka.

National Archives of Zambia: P.O.B. RW 10, Ridgeway, Lusaka; f. 1947; covers national literature from earliest times to the present day in the forms of national archives, historical MSS., microfilms, cartographic, philatelic, currency, pictorial and printed publication collections; 4,202 linear metres of records; depository and lending library of about 11,500 vols. and 1,000 periodicals; the National Archives Library is a reference and legal deposit library for all printed publications published in Zambia; Dir. P. M. Mukula, B.A.; Archivist M. P. K. Nhandu, B.A.; Librarian Mrs. K. A. Rehman, M.A.; publs. *National Bibliography, Guide to the Public Archives*, National Archives occasional papers, descriptive lists, calendars.

National Museums Board: P.O.B. 198, Lusaka.

The Livingstone Museum: Mosi-oa-Tunya Rd., P.O.B. 498, Livingstone; f. 1934; ethnology of the peoples of Zambia; archaeology, history and natural history of Zambia; autograph, letters and relics of David Livingstone; early maps of Africa; library specializing in archaeology, history, ethnography and Africana; publs. *Zambia Museum Journal, Zambia Museum Papers*, Robins Series of Monographs.

Copperbelt Museum: P.O.B. 1444, Ndola.

Moto Moto Museum: P.O.B. 55, Mbala.

UNIVERSITY

THE UNIVERSITY OF ZAMBIA

P.O.B. 2379, LUSAKA

Telephone: Lusaka 74030.

Founded 1965.

Academic year: June to March (three terms).

Chancellor: Dr. Kenneth Kaunda.

Vice-Chancellor: Jacob Mwanza, M.A., Ph.D.

Pro-Vice-Chancellor: K. Mwauluka, Ph.D.

Chairman of the Council: Hon. Fwanyanga Mulikita, M.P., M.C.C., M.A.

Registrar: V. G. Nyirenda, M.S.W., Ph.D.

Librarian: M. C. Lundu, M.S.L.S. (acting).

Library of *c.* 300,000 vols.

Number of teachers: 270.

Number of students: 2,536.

Publications: *African Social Research, Zambian Papers, Communications, Bulletin.*

Deans:

Natural Sciences: B. Mweene, M.Sc., Ph.D.

Humanities and Social Sciences: Prof. M. Mwanalushi, Ph.D.

Education: Prof. M. J. Kelly, M.A., Ph.D.

Law: Prof. Muna B. Ndulo, LL.M., Ph.D.

Engineering: Prof. M. J. K. Dake, Sc.D.

Medicine: Prof. D. Makulu, M.S., Ph.D.

Agriculture: F. Bailly, Ph.D.

Mines: J. B. Mwalula, M.Sc., Ph.D.

Attached Institutes:

Centre for Continuing Education: Dir. M. M. Kaunda, M.S.

Institute for African Studies: *see* Research Institutes.

Rural Development Studies: Dir. Prof. D. H. Evans, M.Sc.

COLLEGES

Evlyn Hone College of Applied Arts and Commerce: P.O.B. 29, Lusaka; f. 1963.

Principal: A. E. C. Mulemena, B.A.

Vice-Principal: A. W. Hodges, M.A.

Senior Registrar: T. K. Lumbwe.

Librarian: E. M. Katungula (acting).

The library contains 14,000 vols.

Number of students: 1,000 (full-time).

Publications: *Beacon Newspaper* (quarterly), *College Prospectus* (annual).

National Institute of Public Administration: P.O.B. 1990, Lusaka; f. 1963; trains government administrators and accounting personnel for central and local government.

Principal: A. K. Mukela.

Registrar: M. M. Chisanga.

Librarian: Mrs. B. C. Kalenga.

The library contains 20,000 vols.

Number of teachers: 50.

Number of students: 1,270 (including some on in-training courses).

Publications: *Administration for Rural Development*† (research papers), teaching pamphlets.

Natural Resources Development College: P.O.B. CH 99, Chelston, Lusaka; f. 1964.

Principal: F. M. Mbewe.

Vice-Principal: J. P. Armitage.

Librarian: E. W. Tankersley.

Library of 31,050 vols.

Number of teachers: 40.

Number of students: 400.

Northern Technical College: P.O.B. 1563, Ndola; f. 1964.

Principal: S. S. SANGHERA, M.A., C.ENG., M.I.MECH.E., M.E.I.Z. (acting).
Registrar: ALFRED M. BANDA.
Librarian: N. N. CHISOWA, B.A. IN L.S.
The library contains 12,300 vols.
Number of students: 500.

Zambia College of Agriculture: P.O.B. 53, Monze; f. 1947; 2-year certificate course; 42 staff, 240 students; library of 3,000 vols.; Principal D. H. MCCLEERY.

Zambia Institute of Technology: P.O.B. 1993, Kitwe; f. 1970.

Principal: K. H. WILLIAMS, M.C.I.C.
Vice-Principal: W. R. GIBBINGS, C.ENG., M.I.MECH.E.
Registrar: T. K. M. LUMBWE.
Librarian: N. K. DUGGAL.
Library of 15,000 vols.
Number of teachers: 153.
Number of students: 1,139.

HEADS OF DEPARTMENT:

Academic and Industrial Science: J. B. CARMAN, B.SC., A.F.I.M.A., F.R.A.S.
Architecture and Building: G. CONSIGLIO, B.ARCH., M.R.A.I.C.
Civil Engineering and Surveying: K. ROWLAND, M.I.C.E., P.ENG.
Electrical Engineering and Instrumentation: C. PRICE, P.ENG.
Electronics and Telecommunications: M. PEACOCK, P.ENG.
Mining A. WILLCOX, P. ENG.
Commerce: T. DAY, B.A.

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